



604 Wilson Avenue • Menomonie, Wisconsin 54751

715-235-9081

800-472-7372

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www.cedarcorp.com

July 5, 2006

WDNR

Attn: W. Schultz

107 Sutcliffe Street

Rhineland, WI 54501

SUBJECT: Amery Landfill Gas Test

Dear Mr. Schultz:

The City of Amery has conducted a test of the landfill gas extraction vents as requested by the DNR. This letter documents the test procedures and results and presents recommendations for future efforts in this regard.

PROCEDURES:

1. The existing gas header piping (4 inch diameter HDPE) was accessed and tested to determine if it was damaged since installation. It was determined that the header system is free of defects. All cleanouts and connections were checked and remade to ensure no leaking is occurring around the fittings.
2. Two regenerative blowers with 2 Hp motors were connected to a manifold, condensate separator and an extension to the gas header system. The blower discharges were also manifolded to a vertical stack some 20 feet above grade.
3. An electrical control panel providing blower motor overheating protection and condensate tank full shutoff was installed. Individual operation of each blower was maintained throughout the test.
4. A permanent electrical service was installed underground from the blower location to the nearby electrical distribution service.
5. System operations commenced Wednesday morning, June 7, 2006. Initial testing including various operating scenarios to evaluate the most effective approach for test operation. This evaluation determined that with both 2 Hp blowers operating in parallel, 30 inches of vacuum was generated at the manifold with 8 to 10 inches at each extraction vent (labeled V-1, V-2, V-3).
6. Landfill gas (LFG) concentrations were measured with a GEM-500 to provide real-time concentrations of methane and its lower explosive limit, carbon dioxide and oxygen.
7. Vacuum and LFG concentrations were measured at all 9 gas probes (GP) periodically.
8. After 2 weeks of continuous operation the system was shut off. Measurements continued.
9. After 6 days of shut down, the LFG extraction system was started but only one 2 Hp blower was operated. Measurements continued.

10. The system was shut down on July 3, 2006.

RESULTS:

Methane

Figure 1 and Table 1 present the LFG concentrations in graph and tabular form for the last four years for the gas vents V-1, V-2, and V-3. Figure 2 presents the vacuum pressures observed during the test. The data indicates a significant reduction in gas concentrations during the period the LFG extraction system is operating. There is more effect if both 2 Hp blowers are operating as noted during the test period June 7 to June 16, 2006 as compared to the single blower operation June 21 though July 3, 2006. Figure 3 presents the methane gas concentrations in the landfill gas vents V-1, V-2 and V-3. Note the reduced gas concentrations during the test period.

Figure 4 presents the methane concentrations observed in the gas probes GP-1, GP-2, and GP-8 (these have been the only gas probes to exhibit any concentrations of methane gas). Note the significant reduction in gas concentration with the short term operation of the two 2 Hp blowers and continued control of gas concentrations with the operation of a single 2 Hp blower.

This data suggests that the operation of a single 2 Hp blower may be able to continue the removal of LFG from the subsurface. It is also obvious by the decreased LFG concentrations in GP-1, GP-2, and GP-8 that there is a strong correlation between the landfill gas outside the edge of waste and that in the landfill. Exerting a negative pressure with a gas extraction system inside the landfill mass does provide an effective method to control LFG concentrations outside the waste method.

Pressure

Figure 5 presents the vacuum exerted at each monitoring point during the test. The most dramatic pressures noted are at points GP-2 and GP-8. This data clearly determines the subsurface connection between operation of the gas extraction system and the monitoring points at which methane gas has been detected.

LFG Rebound

During the test the methane concentrations at GP-1, GP-2, GP-8, and V-3 were reduced below the LEL (5.5% total methane) with 9 days of operating the twin 2 Hp blowers. The system was shut down June 16, 2006, to observe recovery. Within 5 days (June 21, 2006) gas concentrations at V-3 increased from 0.3% to 36% methane and from 0% to 4.3% measured at GP-2.

It was elected to operate the system for the balance of the test period with one 2 Hp blower. In the 12 days remaining in the test period (June 21, 2006 through July 3, 2006), methane gas was reduced to 2.6% at GP-2; 7.5% at V-1; 18.4% at V-2; and 1.7% at V-3. Clearly, this demonstrates the ability to manage the landfill gas with the existing extraction and monitoring system with a low vacuum pressure exerted by a small regenerative blower.

LFG Odor

The monitoring of the system commenced each day by observing if any landfill gas odors were present. None were observed when over 50 feet from the LFG extraction system exhaust.

RECOMMENDATIONS:

The presence of landfill gas outside the waste mass at the Amery landfill has been determined to be controllable using a low negative pressure regenerative blower system. Continued use of such a system will reduce and maintain low concentrations of methane within the landfill.

The operation of the system may be reduced from continuous to an as needed basis dependent on monitoring results. It is also feasible that the system can be operated using a single 3 Hp blower for much of the year, but a second blower should be installed as the waste quality varies with time and if additional negative pressure is necessary to reduce the gas concentrations.

Long term monitoring for LFG will be required. A quarterly schedule is typical during an initial period, this may be reduced in frequency to semi-annual if the system operation is as effective as these test results suggest. If the system is to be optimized, the monitoring schedule will be adjusted to assist in the development of the operating schedule.

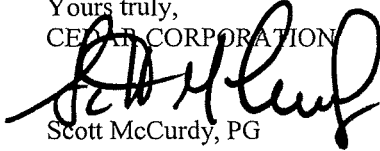
The anticipated costs are present in Table 2. The capital expenditure costs of \$39,468 include a heated and insulated gas extraction building, three 3 Hp blowers (one as spare), an in-ground 300 gallon landfill gas condensate tank, and all electrical and mechanical installation costs.

The operation of the system is based on 20 years running two 3 Hp blowers. Maintenance costs include blower, blower filter, and contractor replacements as well as two site visits per year for maintenance. Monitoring is based on four site visits per year. Long term operation, monitoring and maintenance costs are estimated at \$201,000.00. These figures are adjusted for an annual increase of 3% in costs.

Please do not hesitate to contact me at 715-235-9081 with any questions or comments you may have regarding this report.

Yours truly,

CELEBR CORPORATION



Scott McCurdy, PG

cc. Harvey Stower, Amery
dd. Lauren Azar, Micheal Best and Friedrich

Figure 1. Amery Landfill Gas Concentrations NOTE: LEL is Regulatory Level

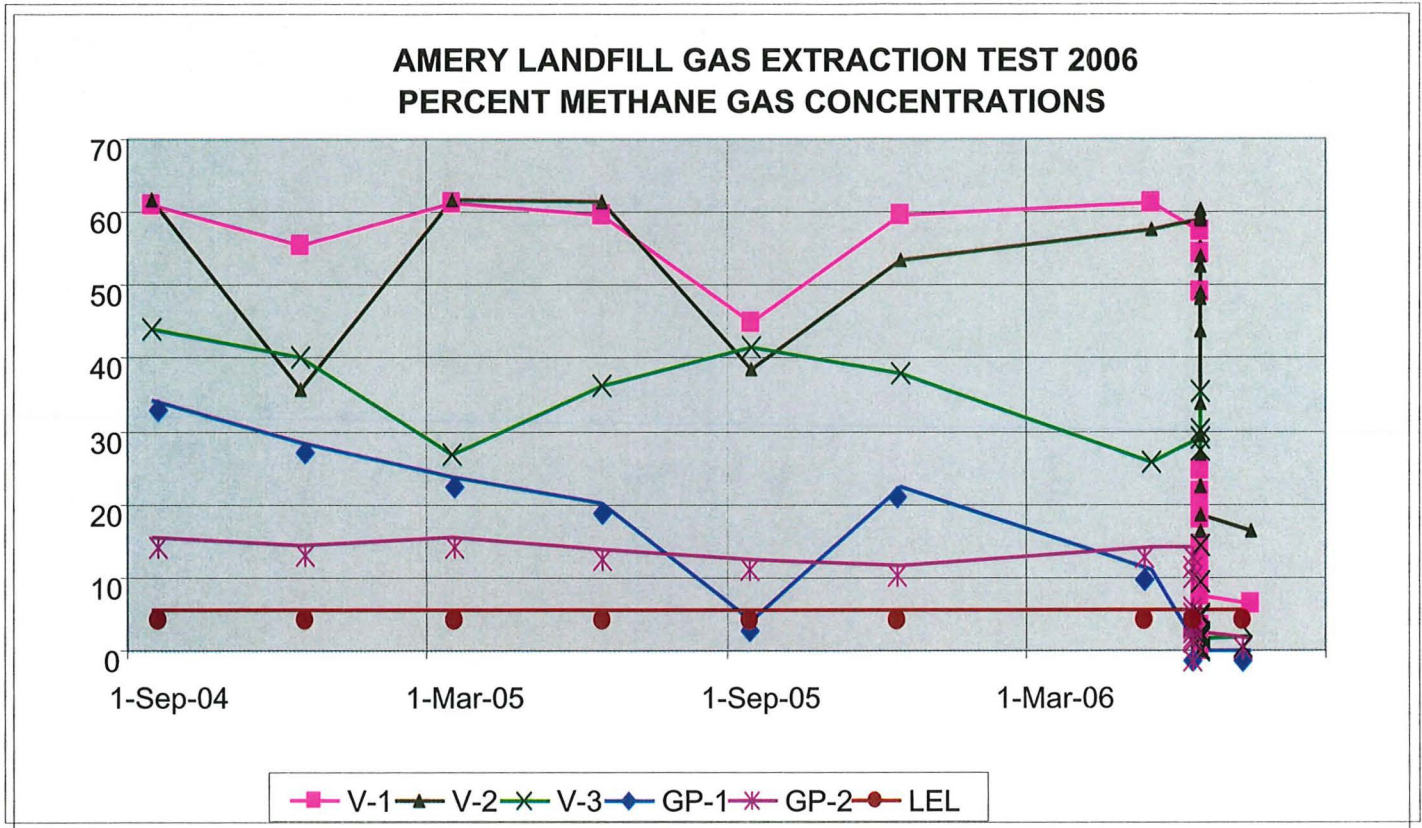


Table 1. Amery Landfill Gas Concentrations

DATE	STACK	LEL	V-1	V-2	V-3	GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	GP-7	GP-8	GP-9
9/29/04		5.50	61	61.8	44	34.2	15.4						0.5	
12/15/04		5.50	55.4	35.7	40	28.4	14.3						1.1	
3/22/05		5.50	61.1	61.6	26.8	23.8	15.4						0.9	
6/29/05		5.50	59.6	61.4	36.3	20.3	13.7						2.4	
9/19/05		5.50	44.7	38.5	41.5	4.2	12.4						0	
12/15/05		5.50	59.4	53.5	38	22.5	11.6						0.3	
5/31/06		5.50	61.2	57.5	25.8	11	14.1						0.5	
6/7/06	47.00	5.50	57.3	58.8	29.1	0	14.1	0	0	0	0	0	0.1	0
6/8/06	38.20	5.50	54.2	59.5	14.5	0	12.8	0	0	0	0	0	0	0
6/9/06	33.00	5.50	49.1	60.2	9.3	0	11.4	0	0	0	0	0	0	0
6/12/06	20.40	5.50	24.7	52.6	4.7	0	7.2	0	0	0	0	0	0	0
6/13/06	18.60	5.50	20.8	48.1	4.9	0	6.5						0	
6/14/06	16.70	5.50	18.1	43.8	2.1	0.1	5.6	0	0	0	0	0	0	0
6/15/06	16.60	5.50	14.3	33.7	2.3	0.1	4.6	0	0	0	0	0	0	0
6/16/06	14.30	5.50	12.4	29.4	1.9	0.01	3.9						0	
6/16/06		5.50	1.2	16.4	0.3	0	0						0	
6/19/06		5.50	3.3	49	27.3	0	4.3	0	0	0	0	0	0	0
6/20/06		5.50	19.4	54	30.1	0.1	5	0	0	0	0	0	0	0
6/21/06		5.50	21.7	59.2	35.5	0.1	4.6						0	
6/23/06	11.10	5.50	12.1	26.9	2.5	0.1	4						0	
6/26/06	8.70	5.50	9.8	22.5	2	0	3.1	0	0	0	0	0	0	0
6/29/06	7.20	5.50	7.5	18.4	1.7	0	2.6	0	0	0	0	0	0	0
7/3/06	6.40	5.50	6.3	16.4	1.9	0	1.7	0	0	0	0	0	0	0

Figure 2. Amery Landfill Gas Vent Vacuum Observed during Extraction Test

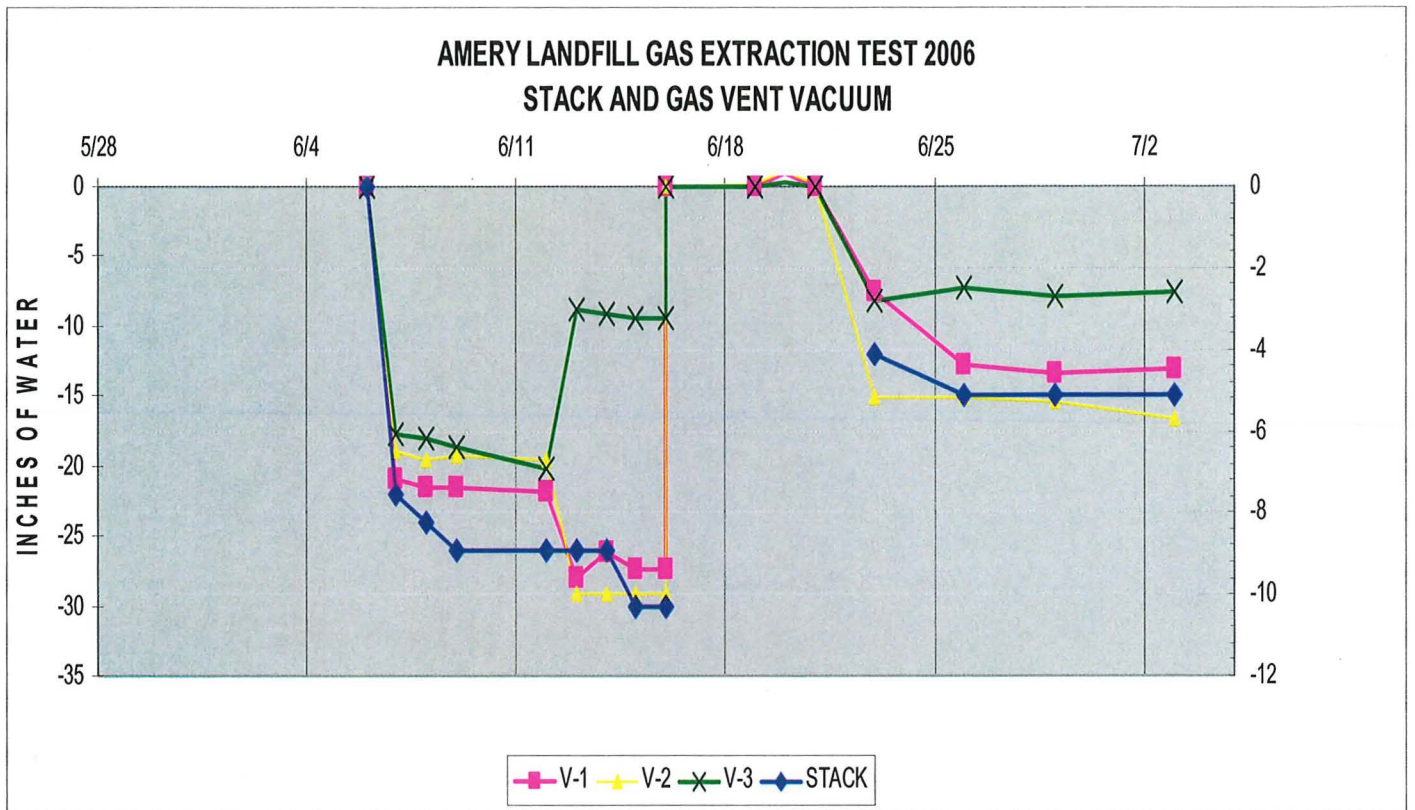


Figure 3. Amery Landfill Gas Vent Methane Concentrations during Extraction Test

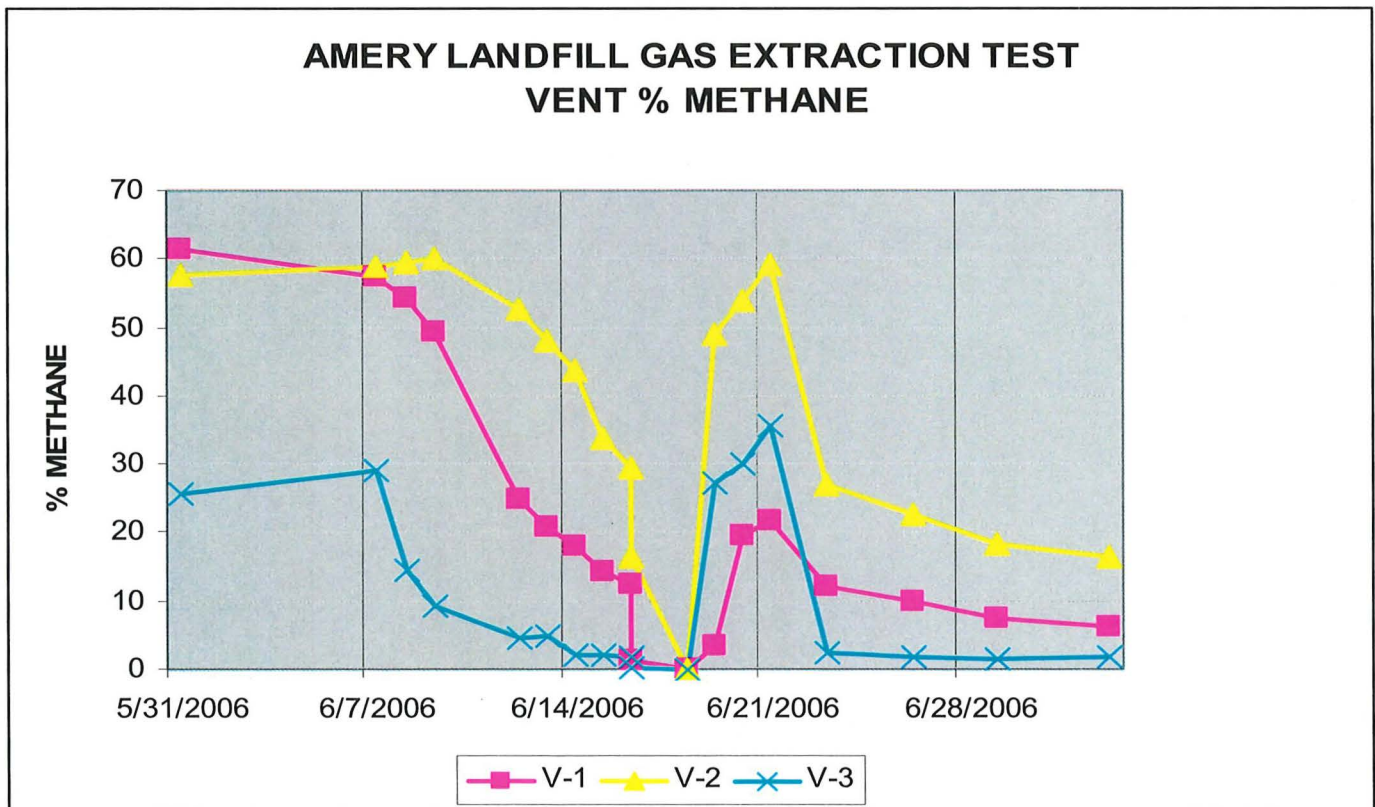


Figure 4. Amery Landfill Gas Probe Methane Concentrations during Extraction Test

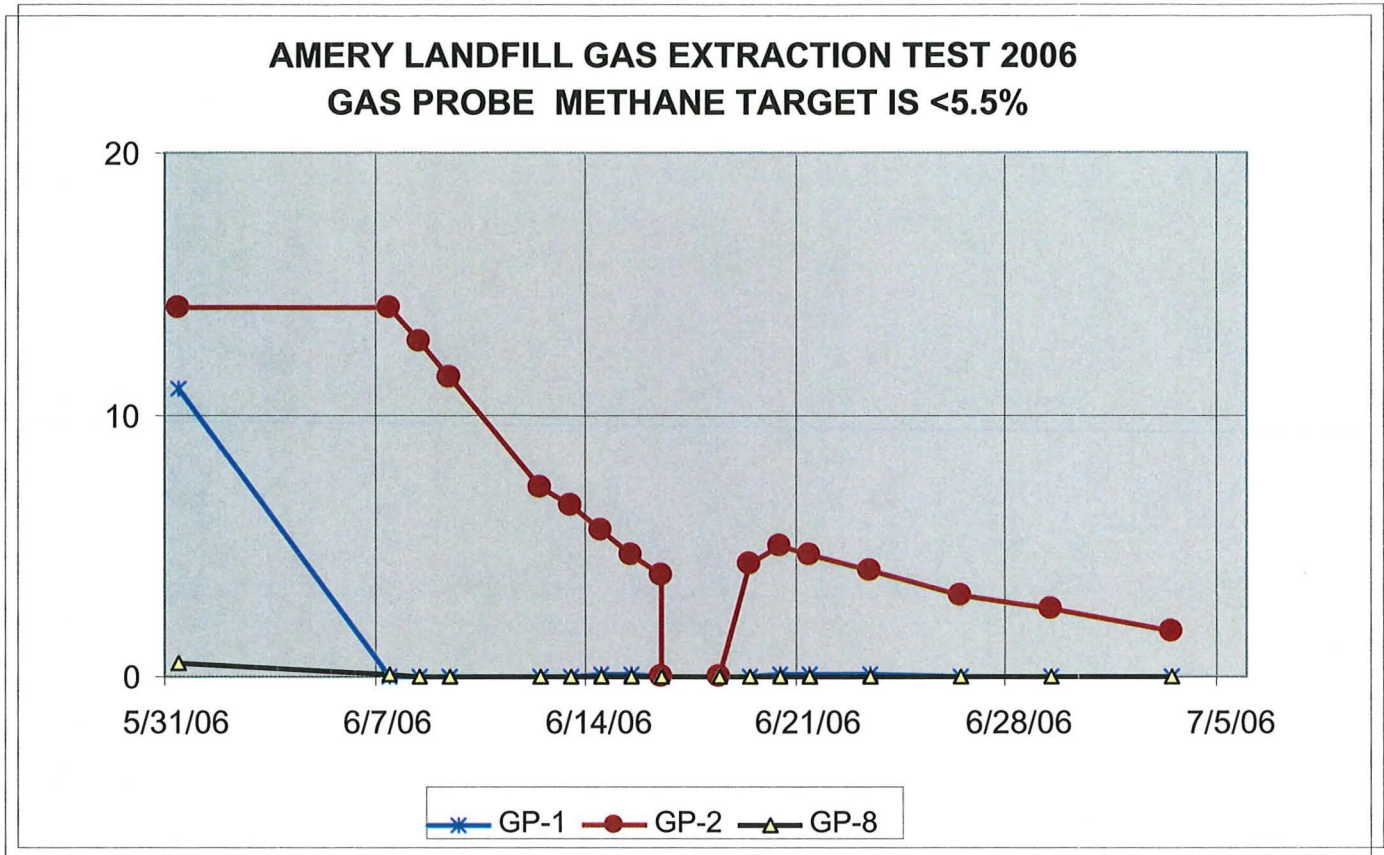


Figure 5. Amery Landfill Gas Probe Vacuum Observed during Extraction Test

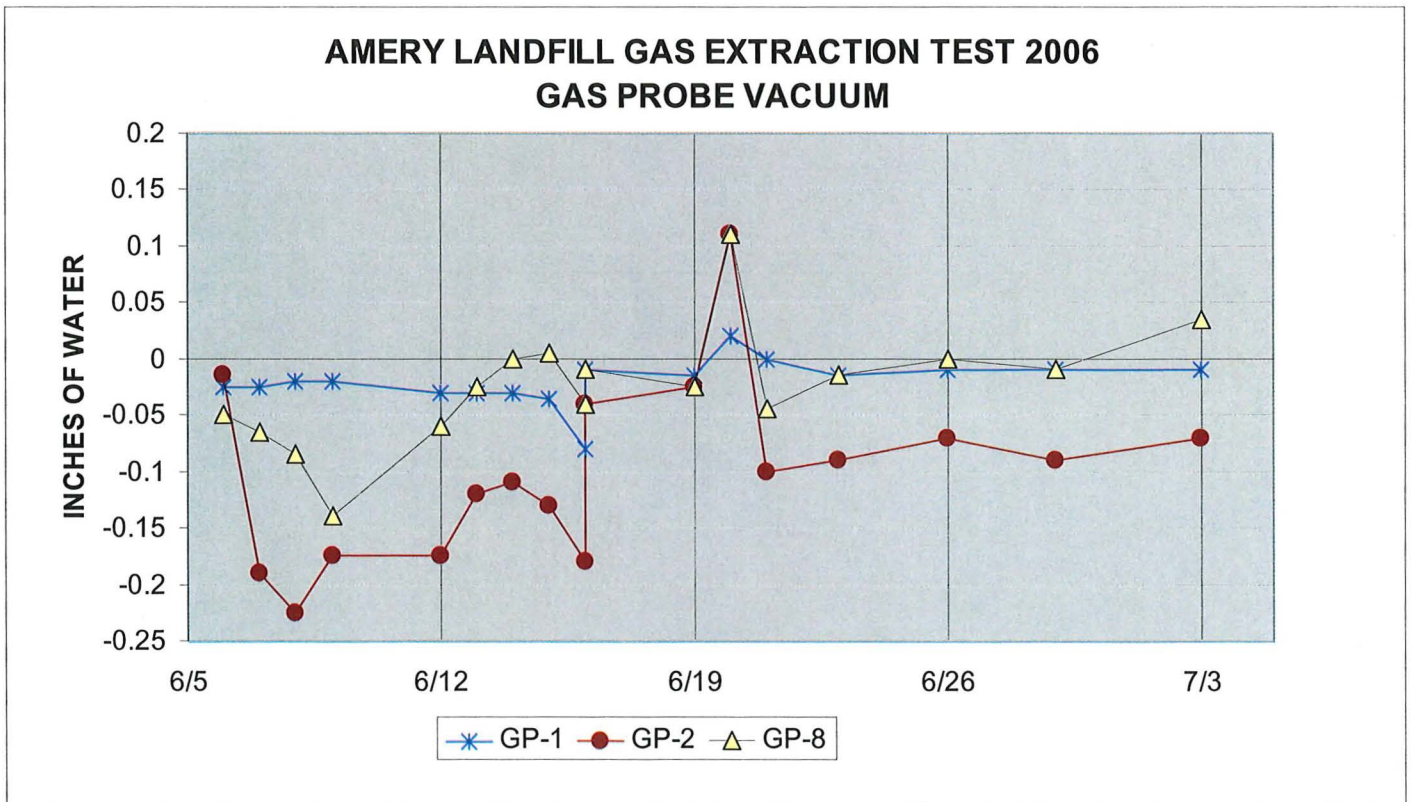


Table 2. Anticipated Costs for Long Term Operation of Landfill Gas Extraction System

AMERY LANDFILL		
LANDFILL GAS MITIGATION SYSTEM		
<i>Anticipated 20 year life of operation</i>		
Capital Expenditures		
Installation and connection of landfill gas blower		3 Hp x 3 \$ 39,468
Operation and Maintenance		
Electrical		\$ 78,046
Filter Changes, Condensate Disposal, and System Repairs		\$ 53,493
Long Term Monitoring		\$ 43,617
Contingency	15.00%	\$ 32,194
		\$ 207,350
Long Term Costs		\$ 246,818



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May 15, 2006

Mr. William Schultz
Wisconsin Department of Natural Resources
107 Sutliff Avenue
Rhinelander, WI 54501

RE: Amery Landfill, FID #749009240
License #00069
Landfill Gas Feasibility Work Plan

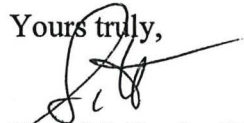
Dear Bill;

Please find enclosed three copies of the proposed Active Gas Extraction Feasibility Study for the Amery Landfill.

Please let me know the status of the City's request to reduce ground water monitoring wells in the network (submitted last year).

Please do not hesitate to contact me at 1-715-235-9081, should you have any questions or concerns regarding this project.

Yours truly,


Scott McCurdy, PG
Sr. hydrogeologist

SEM/sem

Encl.

CITY OF AMERY
FORMER LANDFILL
FID #00069

LANDFILL GAS MIGRATION
ACTIVE GAS EXTRACTION
FEASIBILITY STUDY

MAY 2006

CEDAR CORPORATION
604 WILSON AVENUE
MENOMONIE, WI 54751

PROJECT #1411-0087

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I. INTRODUCTION

The City of Amery has been monitoring concentrations of landfill gas (methane, carbon monoxide, carbon dioxide) since the cap, gas vents, and monitoring probes were installed in 1999. The presence of methane gas at point GP-2 on the ridge south of the landfill continues to persist at concentrations in excess of the LEL (lower explosive limit) of 5 percent. Previously, extended frequent monitoring of the gas probe network was completed to evaluate this condition. Overall, a slight (less than 2 percent) decrease in methane concentrations has been observed. However, no decrease in methane concentrations has occurred within the landfill waste mass.

Initially, four monitoring points for methane were installed, but in response to the observations at GP-1 and GP-2, five permanent points have been added to the gas monitoring network. In addition, samples from a series of temporary points and the Fouks and Jackson homes were acquired to evaluate the lateral extent of the gas.

Accumulation of methane and other landfill gas at concentrations exceeding the LEL of methane occurs at the points labeled GP-1 and GP-2, located northeast and south of the landfill mass, respectively. Typical methane concentrations at these locations vary between 5 and 30 percent with an unstable trend at GP-1 and 14 to 26 percent with a decreasing trend at GP-2.

Methane concentrations appear to be reduced in the summer as opposed to winter measurements.

At issue is the source and the migratory path of the methane gas.

A. Source

Methane and other landfill gases are generated by decomposition of the waste buried in the landfill. Soil borings GP-2 (installed in 1999) and GP-8 (installed in 2004) fully penetrate the unsaturated soil column in the area of the radio communication tower. The methane LEL is consistently exceeded in GP-2, but not exceeded in GP-8. The points are approximately 50 feet apart with GP-8 further from the waste.

The presence of landfill gas is consistently reported in vent GP-2 and infrequently in GP-8. However, the decreasing concentration of gas observed from GP-2 to GP-8 suggests that the source is much closer to GP-2 than GP-8, thus it is interpreted the principal gas source is the capped waste mass.

B. Landfill Gas Migration

Prior to the consolidation and capping of the waste in 1999, waste decomposition in the unconsolidated soil matrix occurred and any gases generated migrated through the soil and eventually into the atmosphere. In 1999, the impermeable, umbrella shaped cap was installed over the consolidated and reshaped waste mass.

The intent of the cap construction is to reduce moisture infiltration into the waste mass, thereby mitigating the generation of landfill leachate which is a ground water contaminant. The January 2005 report on the effectiveness of this approach indicates the success of this remedial action.

However, the action also results in the consolidation and capture of any landfill gas under the cap. Three gas vents were constructed through the vertical extent of the waste. However, the ability of generated gas to passively migrate to the vents is likely impeded by the amorphous nature of the waste mass. Gas generated along the edges of the waste mass may migrate more readily out into the porous sands and gravel of the native soils beyond the perimeter of the waste mass and the lower edge of the landfill cap.

Soils in the area are generally sandy with interbedded lenses of both silt and gravel. Soil permeability (and, therefore, porosity) is considered moderately high. Thus, gases generated by the waste mass will migrate through the soils as a result of the pressure generated by the gas, and gas will tend to pocket in the more porous soil areas.

II. FEASIBILITY STUDY

A. Active Gas Extraction

During the 1999 waste capping project, gas vents installed vertically in the waste mass and gas headed piping was installed with a discharge point outside the waste mass. This system is to be activated in the Feasibility Study to evaluate the proper blower size to create an effective negative pressure within the waste mass. Having a negative pressure at these points would be important to effectively control gas migration away from the waste mass which would be monitored at existing gas monitoring points. The existing gas vents will be capped and connected to the header piping. Gas would be pulled from the waste with an explosion-proof regenerative blower and exhausted to the atmosphere. We anticipate this test would last two weeks or more, dependent on the response observed in the gas monitoring probes. Data collected at each gas probe would include air pressure, methane, carbon dioxide, oxygen, etc.

Gas concentration and air pressure measurements will be evaluated over the period of blower operation to evaluate the success of the active extraction method.

III. PROJECT OUTLINE

The landfill gas extraction feasibility study will be completed as follows:

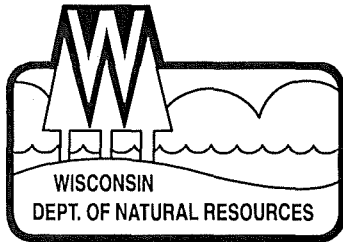
1. The turbines on each passive vent will be removed and the vent capped with a PVC press-on cap. The vents will not be permanently capped at this time. Each gas vent will be connected to the gas header piping and an in-line valve.
2. Each landfill gas lateral valve will be tested in order to ensure smooth operation. The valve will be left in the closed position.
3. Landfill gas headed access points will be opened individually and active extraction applied to the exhaust point ensure the lines are not plugged before activating the gas extraction system.
4. As three phase power is not available at this location, all electrical equipment provided for the Feasibility Test will be supplied for single phase electrical operation.
5. A power drop will be made from nearby power lines on Lincoln Avenue. The power drop will be made to temporary location within the landfill fencing. The Contractor will provide and install such power distribution equipment as may be necessary to bring power to the landfill gas extraction equipment. This power distribution equipment will be installed using an underground electrical service.
6. The Contractor will provide a portable mounted gas extraction system consisting of a 2 Hp and a 3 Hp blowers, condensate separator tank, miscellaneous supplies, etc. to safely extract and exhaust landfill gas. Gas pressure gauges and velocity measurement points and sampling taps will be incorporated in the system.
7. Landfill gas extraction will be completed over a one month period to assess the effects of the extraction on gas quality and gas concentration in both the landfill gas vents and the gas monitoring points.
8. Initial operations will occur with only one blower operating. Gas extraction pressure will be evaluated and the second blower operated if there is sufficient ability and capacity to increase the negative pressure on the system.

9. The portable blower system will be connected to the outlet of the gas headed piping through a condenser. The condenser will be at the low point of the system. Condensate will be drummed in 55 gallon WDOT approved barrels. Condensate disposal will be at the City of Amery Wastewater Treatment Plant.
10. The extraction units will be connected to a valved manifold to allow independent blower usage. The manifold will be connected to the condenser with 4" PVC piping. Blower piping will be outfitted with appropriate points and equipment to measure gas pressure, gas flow velocity, and gas sample taps. Electrical equipment will be hazard class rated and disconnects will be located away from discharge vents.
11. The blower discharge vents will be connected to a discharge stack located 10 feet horizontally from the blowers and discharging at a point 10-15 feet above the ground. The discharge stack will have a rain hat or similar device to minimize water getting into the system.
12. Testing:
 - a) A GEM Landfill gas meter, liquid filled pressure gauges, a hot wire gas flow velocity meter, and digital thermometer will be provided by Cedar Corporation during the progress of the project to evaluate the landfill gas quality and system operation parameters.
 - b) Initial set-up will determine the blower operation parameters. Thereafter, periodic checking on gas flow rate, and temperature on the discharge stack will be completed. Gas pressure measurements on the inlet side will also be recorded.
 - c) Gas analysis will be completed on site with the GEM meter. Measurements will be made at the discharge stack and all existing gas monitoring points (GP-1 through GP-9).
 - d) Initially, testing will be completed daily during the feasibility study. After the first week of testing, an assessment will be made to consider reducing the monitoring to three days (Mon., Wed., Fri.) per week. Monitoring will be reduced only if the gas pressures measured in the monitoring vents have reached steady state.
13. Reporting:
 - a) The DNR will be advised one week before the gas extraction feasibility study commences.
 - b) Verbal or e-mail reports of progress will be made throughout the study period to Bill Shultz, WDNR, Rhinelander.

- c) A final report with photo documentation of the equipment, data tables and graphs, a discussion of the results, and recommendations for further work will be prepared.

14. Schedule:

- a) The portable system will be installed within 14 days after Xcel Energy has completed the power drop.
- b) We anticipate two days to get the landfill gas vents ported to the gas header piping, the system installed, power hooked up and start operation.
- c) Tentative date to commence the work is May 30, 2006.



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
John Gozdziwski, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhineland, Wisconsin 54501-3349
Telephone 715-365-8900
FAX 715-365-8932
TTY Access via relay - 711

February 16, 2006

Ryan Stafne
Cedar Corporation
604 Wilson Ave.
Menomonie, WI 54751

SUBJECT: Monitoring Well Repair at the City of Amery Landfill (#00069)

Dear Mr. Stafne:

We appreciate the information you provided concerning the replacement of monitoring well MW-3 at the City of Amery Landfill (license # 00069). The new monitoring well replacement (MW-3R) has been given the Point ID # 26 and the Wisconsin Unique Well # PA850 in the GEMS groundwater data base. You now need to use these numbers when reporting the City's groundwater results.

In a letter dated August 1, 2005 to the City of Amery from the Department, we explained that the "*Plan Modification for Groundwater Monitoring at the City of Amery Landfill*" to reduce groundwater monitoring requirements at the Landfill would not be approved until the landfill gas exceedances were evaluated and controlled.

Please contact either William Schultz at (715) 365-8965 or John Sager at (715) 623-4190 ext. 3125 if you have questions concerning this letter.

Sincerely,

William Schultz,
NOR Remediation and Redevelopment Program

cc: John Sager Antigo DNR

Ms. Julie Riemenschneider
City of Amery,
118 Center Street,
Amery, WI 54001

Sager, John E

From: Sager, John E
Sent: Thursday, February 16, 2006 11:17 AM
To: Schultz, Bill P
Subject: RE: Amery Landfill Monitoring Well Replacement

I marked MW-3 as abandoned.

MW-3R is entered into GEMS as Point# 26.

They did not include any survey data on the well. Not sure if that is too important at this point. The date on the Well construction form says the well was constructed on 1/31/06. The date on the boring log and the development form says 2/6/06. I entered the construction date as 2/6/06. You might want Cedar Corp to clarify this information.

From: Schultz, Bill P
Sent: Thursday, February 16, 2006 10:17 AM
To: Sager, John E
Subject: Amery Landfill Monitoring Well Replacement

<< File: AmeryLandfillWells_20060215ltr.pdf >>



William P. Schultz, PE

Remediation Engineer

Northern Region

Bureau of Remediation and Redevelopment

Wisconsin Department of Natural Resources

(☎) phone: (715) 365-8965

(☎) fax: (715) 365-8932

(✉) e-mail: bill.schultz@dnr.state.wi.us



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February 15, 2006

Mr. Bill Schultz
WDNR
107 Sutliff Avenue
Rhinelander, WI 54501

RE: Abandonment of MW-3 and replacement of MW-3R at the Amery Landfill

Dear Bill,

As requested, here is a brief letter updating the status of the Amery Landfill.

On January 31, 2006 monitoring well MW-3 was abandoned and replaced with MW-3R by Midwest Engineering Services, Inc. MW-3R was installed eight feet northwest of the original MW-3 location and developed the same day by Cedar Corporation. MW-3R will be sampled during the March 2006 round of soil vent monitoring and the results will be reported at that time. Attached forms include a well abandonment form, well construction form, soil boring log, and well development form.

The City of Amery is also requesting the DNR review their request on file to reduce the groundwater monitoring at the Amery Landfill in the near future.

Please contact either Scott McCurdy or myself at (715) 235-9081 should you have any questions.

Sincerely,

CEDAR CORPORATION

A handwritten signature in black ink that reads "Ryan Stafne". The signature is written in a cursive, flowing style.

Ryan Stafne
Environmental Specialist

cc: City of Amery – Ms. Julie Riemenschneider, 118 Center Street, Amery, WI 54001

Route To: Watershed/Wastewater Waste Management
Remediation/Revelpment Other

Page 1 of 1

Facility/Project Name Amery Land fill		License/Permit/Monitoring Number 00069		Boring Number MW-3R	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Joe Last Name: Black Firm: MES		Date Drilling Started 02/06/2006 m m d d y y y y		Date Drilling Completed 02/06/2006 m m d d y y y y	
WT Unique Well No. PA050		DNR Well ID No.		Well Name MW-3R	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Final Static Water Level ____ Feet MSL		Surface Elevation ____ Feet MSL	
State Plane _____ N, _____ E S/C/N		Lat _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
SW 1/4 of NW 1/4 of Section 27, T 33 N, R 16 E		Long _____ "		____ Feet	
Facility ID 649009240		County Polk		County Code 4.9	
				Civil Town/City/ or Village Amery	

Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			0-5	Sand w/ gravel											
			5-10	Blind Drill											
			10-15	Med-course sand											
			15-17	E.O.B @ 17'											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: *Ryan Stapp* Firm: Cedar Corporation

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>Ameny Land Fill</u>	County Name <u>Polk</u>	Well Name <u>MW-3R</u>
Facility License, Permit or Monitoring Number <u>00069</u>	County Code <u>49</u>	Wis. Unique Well Number <u>PA850</u>
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No
2. Well development method:
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other _____
3. Time spent developing well 45 min.
4. Depth of well (from top of well casing) 10.1 ft.
5. Inside diameter of well 2.07 in.
6. Volume of water in filter pack and well casing 6.8 gal.
7. Volume of water removed from well 50.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added N/A
10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	<u>9.33</u> ft.	_____ ft.
Date	<u>02/06/2006</u> m m d d y y y y	<u> </u> / <u> </u> / <u> </u> m m d d y y y y
Time	<u>11:30</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u> </u> : <u> </u> <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>0.3</u> inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Very Turbid</u> <u>Brown</u> <u>No odor</u>	Clear <input type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) _____
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l
16. Well developed by: Name (first, last) and Firm		
First Name:	<u>Ryan</u>	Last Name: <u>Stafne</u>
Firm:	<u>Cedar Corporation</u>	

17. Additional comments on development:

N/A

Name and Address of Facility Contact/Owner/Responsible Party	I hereby certify that the above information is true and correct to the best of my knowledge.
First Name: <u>Julie</u> Last Name: <u>Riemenschneider</u>	Signature: <u>Ryan Stafne</u>
Facility/Firm: <u>City of Ameny</u>	Print Name: <u>RYAN STAFNE</u>
Street: <u>118 Center Street</u>	Firm: <u>Cedar Corporation</u>
City/State/Zip: <u>Ameny, WI 54001</u>	

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/Project Name Amery Landfill - Amery, WI	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.	Well Name MW-3R
Facility License, Permit or Monitoring Number	Grid Origin Location Lat. _____ Long. _____ or St. Plane _____ ft. N. _____ ft. E.	Wis. Unique Well Number _____ DNR Well Number _____
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	Section Location of Waste/Source <input type="checkbox"/> E. <input checked="" type="checkbox"/> W.	Date Well Installed 1-31-06
Distance Well Is From Waste/Source Boundary ft.	SW 1/4 of NW of Sec. 27, T.33 N, R. 16 <input checked="" type="checkbox"/> W	Well Installed By: (Person's Name and Firm) Joe Black
Is Well A Point of Enforcement Std. Applic.? <input type="checkbox"/> Yes <input type="checkbox"/> No	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Midwest Engineering Services, Inc.

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: 4.0 in. b. Length: 5.0 ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation _____ ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No if yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or <u>0.0</u> ft.	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____</p> <p>17. Source of water (attach analysis): _____</p> </div>	
E. Bentonite seal, top _____ ft. MSL or <u>0.0</u> ft.	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Annular space seal <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or <u>4.0</u> ft.	5. Annular space seal: a. Granular Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud wt. Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. <u>1.3</u> Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
G. Filter pack, top _____ ft. MSL or <u>5.0</u> ft.	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 1/2 in. <input checked="" type="checkbox"/> 3/8 in. Bentonite pellets <input checked="" type="checkbox"/> 32 c. Other <input type="checkbox"/>
H. Screen joint, top _____ ft. MSL or <u>6.0</u> ft.	7. Fine sand material: a. <u>Red Flint No. 45-55</u> b. Volume added <u>0.3</u> ft ³
I. Well bottom _____ ft. MSL or <u>16.0</u> ft.	8. Filter pack material: a. <u>Red Flint No. 40 RFWS-34</u> b. Volume added <u>3.9</u> ft ³
J. Filter pack, bottom _____ ft. MSL or <u>17.0</u> ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
K. Borehole, bottom _____ ft. MSL or <u>17.0</u> ft.	10. Screen material: <u>Sch. 40 PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
L. Borehole, diameter <u>8.0</u> in.	b. Manufacturer <u>Boart Longyear</u> c. Slot size: 0.010 in. d. Slotted length: 10.0 ft.
M. O.D. well casing <u>2.48</u> in.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
N. I.D. well casing <u>2.07</u> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm **MIDWEST ENGINEERING SERVICES, INC.**

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location Amery Landfill - Amery, WI	County Polk	Original Well Owner (if Known)	
(If Applicable) SW <u>1/4</u> of NW <u>1/4</u> of Sec. <u>27</u> ; T. <u>33</u> N; R. <u>16</u> W <input type="checkbox"/> E <input checked="" type="checkbox"/> W Gov't Lot _____ Grid Number _____ Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		Present Well Owner City of Amery Street or Route 118 Center Street City, State, Zip Code Amery, Wisconsin 54001	
Civil Town Name Amery		Facility Well No. and/or Name (if Applicable) MW-3	WI Unique Well No.
Street Address of Well Amery Landfill		Reason for Abandonment	
City, Village Amery, WI		Date of Abandonment 1-31-06	

WELL/DRILLHOLE/BOREHOLE INFORMATION

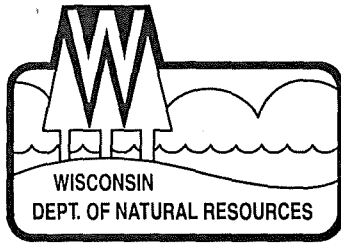
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>unknown</u> <input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input type="checkbox"/> Borehole Construction Report Available? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft.) <u>16.0</u> Casing Diameter (in.) <u>2"</u> (From Groundsurface) Casing Depth (ft.) <u>16.0</u> Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		(4) Depth to Water (Feet) Pump & Piping Removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen Removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Casing Left in Place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A If No, Explain _____ Was Casing Cut Off Below Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
		(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
		(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand - Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay - Sand Slurry <input type="checkbox"/> Bentonite - Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Number of		Mix Ratio or Mud Weight
			<input type="checkbox"/> Yards	<input checked="" type="checkbox"/> Sacks <input type="checkbox"/> Vol.	
Native Soil Patch	Surface	0.5			
3/8 inch Bentonite Chips	0.5	16.0		0.5	

(8) Comments:

Name of Person or Firm Doing Sealing Work Midwest Engineering Services, Inc.	
Signature of Person Doing Work 	Date Signed 2-15-06
Street or Route 12839 30th Avenue, Suite A	Telephone Number (715) 738-2770
City, State, Zip Code Chippewa Falls, WI 54729	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
John Gozdziwski, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhinelander, Wisconsin 54501-3349
Telephone 715-365-8900
FAX 715-365-8932
TTY Access via relay - 711

August 1, 2005

Ms. Julie Riemenschneider
City of Amery,
118 Center Street,
Amery, WI 54001

SUBJECT: Monitoring Well Repair at the City of Amery Landfill (#00069)

Dear Ms. Riemenschneider:

In a letter dated July 26, 2005, your consultant Cedar Corporation informed the City and the Department of damage to groundwater monitoring well MW-3. Due to the damage, it is not possible to sample the monitoring well, and Cedar Corporation has recommended that sampling from MW-3 be suspended. At this time the Department is requesting that monitoring well MW-3 be repaired and that sampling be conducted for that well commencing with the next scheduled round of sampling.

In May of 2005, the Department received from your consultant Cedar Corporation a "*Plan Modification for Groundwater Monitoring at the City of Amery Landfill*" to reduce groundwater monitoring requirements at the Landfill. The City also has submitted a proposal to conduct an active gas feasibility study/test. The Department has elected to postpone our review and approval of any monitoring requirements at the landfill until gas-monitoring requirements are more clearly known. At that time, a reduction in the monitoring requirements for MW-3 will be reviewed more thoroughly.

Please contact either William Schultz at (715) 365-8965 or John Sager at (715) 623-4190 ext. 3125 if you have questions concerning this letter.

Sincerely,

William Schultz,
NOR Remediation and Redevelopment Program

cc: John Sager Antigo DNR

Scott McCurdy – Cedar Corp.
604 Wilson Ave.
Menomonie, WI 54751

Sager, John E

From: Schultz, Bill P
Sent: Monday, August 01, 2005 10:50 AM
To: Sager, John E
Subject: Amery Landfill Letter

for your files



repair
ll-monitoring plan o



William P. Schultz, PE
Remediation Engineer
Northern Region
Bureau of Remediation and Redevelopment
Wisconsin Department of Natural Resources
(☎) phone: (715) 365-8965
(☎) fax: (715) 365-8932
(✉) e-mail: bill.schultz@dnr.state.wi.us

May 10, 2005

WDNR
Attn: W. Schultz
108 Sutliff Avenue
Rhineland, WI 54501



SUBJECT: City of Amery Landfill FID #00069
Landfill Gas Mitigation
Remedial Action Options

Dear Mr. Schultz:

The recent review of the Effectiveness Evaluation Report for the Landfill Capping Project, completed in 1999, requires the City of Amery to address two issues:

1. Submit a Plan Modification and Fee (\$165.00 - Table 3B NR520.15 - Closure Plan)
2. Submit a proposal of Remedial Action Options to address the landfill gas concerns.

Please find the Plan Modification attached for your review. The appropriate fee is included with this letter. The Remedial Action Option proposal is to follow. Please do not hesitate to contact me at 715-235-9081 should you have any questions or comments regarding this project.

Yours truly,

CEDAR CORPORATION

Scott E. McCurdy, PG
Senior Hydrogeologist

SEM/br
Enclosure

cc: Mayor Stower, City of Amery
Al McCarty, City of Amery Public Works Director

CITY OF AMERY
FORMER LANDFILL
FID #00069

LANDFILL GAS MIGRATION
REMEDIAL ACTION OPTIONS

MAY 2005

CEDAR CORPORATION
604 WILSON AVENUE
MENOMONIE, WI 54751

PROJECT #1411-0085

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I. INTRODUCTION

The City of Amery has been monitoring concentrations of landfill gas (methane, carbon monoxide, carbon dioxide) since the cap, gas vents, and monitoring probes were installed in 1999. The presence of methane gas at point GP-2 on the ridge south of the landfill continues to persist at concentrations in excess of the LEL (lower explosive limit) of 5 percent. Previously, extended frequent monitoring of the gas probe network was completed to evaluate this condition. Overall, a slight (less than 2 percent) decrease in methane concentrations has been observed. However, no decrease in methane concentrations has occurred within the landfill waste mass.

Initially, four monitoring points for methane were installed, but in response to the observations at GP-1 and GP-2, five permanent points have been added to the gas monitoring network. In addition, samples from a series of temporary points and the Fouks and Jackson homes were acquired to evaluate the lateral extent of the gas.

Accumulation of methane and other landfill gas at concentrations exceeding the LEL of methane occurs at the points labeled GP-1 and GP-2, located northeast and south of the landfill mass, respectively. Typical methane concentrations at these locations vary between 5 and 30 percent with an unstable trend at GP-1 and 14 to 26 percent with a decreasing trend at GP-2.

Methane concentrations appear to be reduced in the summer as opposed to winter measurements.

At issue is the source and the migratory path of the methane gas.

A. Source

Methane and other landfill gases are generated by decomposition of either the capped waste mass and/or those remnants of waste that may exist outside the capped area that were not excavated and consolidated under the cap in 1999. Soil borings GP-2 (installed in 1999) and GP-8 (installed in 2004) fully penetrate the unsaturated soil column in the area of the radio communication tower. The methane LEL is consistently exceeded in GP-2, but not exceeded in GP-8. They are approximately 50 feet apart with GP-8 further from the waste.

The source of the methane gas cannot be attributed to a waste mass outside the capped area without further investigation as neither boring encountered any waste during construction. The presence of landfill gas is consistently reported in vent GP-2 and infrequently in GP-8. However, the decreasing concentration of gas observed from GP-2 to GP-8 suggests that the source is much closer to GP-2 than GP-8, thus it is interpreted the principal gas source is the capped waste mass.

B. Landfill Gas Migration

Prior to the consolidation and capping of the waste in 1999, waste decomposition in the unconsolidated soil matrix occurred and any gases generated migrated through the soil and eventually into the atmosphere. In 1999, the impermeable, umbrella shaped cap was installed over the consolidated and reshaped waste mass.

The intent of the cap construction is to reduce moisture infiltration into the waste mass, thereby mitigating the generation of landfill leachate which is a ground water contaminant. The January 2005 report on the effectiveness of this approach indicates the success of this remedial action.

However, the action also results in the consolidation and capture of any landfill gas under the cap. Three gas vents were constructed through the vertical extent of the waste. However, the ability of generated gas to passively migrate to the vents is likely impeded by the amorphous nature of the waste mass. Gas generated along the edges of the waste mass will likely migrate more readily out into the porous sands and gravel of the native soils beyond the perimeter of the waste mass and the lower edge of the landfill cap.

Soils in the area are generally sandy with interbedded lenses of both silt and gravel. Soil permeability (and, therefore, porosity) is considered moderately high. Thus, gases generated by the waste mass will migrate through the soils as a result of the pressure generated by the gas, and gas will tend to pocket in the more porous soil areas.

II. MITIGATION OPTIONS

A. Long-Term Monitoring

Monitoring over a five year period (1999 - 2004) has determined the persistent presence of landfill gas in excess of the LEL of methane outside the landfill cap.

The gas concentrations are decreasing slightly, but are well above the LEL at point GP-2. Further landfill gas monitoring, as a mitigation option, is unlikely to show a significant decrease in point GP-2.

B. Point Source Gas Removal

An attempt to reduce the gas concentration outside the limits of waste filling was already completed by establishing a negative pressure on gas probe GP-2 and periodically sampling the gas concentration at this location.

No appreciable decrease in gas concentration was observed during this feasibility test.

C. Passive Gas Cut-Off Trench

Construct a washed gravel filled trench with a barrier wall on only that sidewall opposite the waste mass. A filter fabric on the waste wall side of the trench would help protect the integrity of the porosity in the washed rock. Install a horizontal vent pipe with vertical risers in the trench. Risers to be completed three to four feet above grade. The cut-off wall would be constructed along the south edge of the waste mass in the stormwater drainage trench. It would be some 400 feet in length centered on a line between GP-2 and GAS VENT #1. Four risers will be installed at 100 foot intervals starting 50 feet from the end of the collector. Gas migrating out from the waste mass will collect in the trench and migrate out to the atmosphere through the risers.

D. Active Gas Extraction

During the 1999 waste capping project, gas vents installed vertically in the waste mass were connected with piping and tied to a point outside the waste mass. This system could be activated in a Feasibility Study to evaluate the proper blower size to create an effective negative pressure at points GP-1 and GP-2. Having a negative pressure at these points would be important to effectively control gas migration away from the waste mass. The existing gas vents will be capped. Gas would be pulled from the waste with an explosion-proof regenerative blower and exhausted to the atmosphere. We anticipate this test would last two weeks or more, dependent on the response observed in the gas monitoring probes. Data collected at each gas probe would include air pressure, methane, carbon dioxide, oxygen, etc.

Gas concentrations and air pressures will be correlated with the time of blower operation to evaluate the success of the active extraction method.

E. Barrier Wall

Considering the construction issues to install a passive gas collection cut-off trench, it may be technically feasible to install a Barrier Wall between the south edge of the landfill and monitoring point GP-2. The wall could consist of either:

1. A two foot thick, 30 foot deep bentonite slurry wall.
2. Driven HDPE Sheet Pile.

Both walls would be 300 to 400 feet long and require extensive excavation down to the water table.

The wall would provide a significant barrier that would stop future migration of landfill gas to the south. However, the need to construct the wall to the water table (approximately 32 feet below surface) to eliminate leaks under the barrier as well as the length of the wall (400 feet minimum) require a significant investment that is beyond the current budget of the Responsible Party.

III. ANTICIPATED PROJECT COSTS

A. Passive Cut-Off Trench

Anticipated Construction Time:	2 - 3 weeks
Estimated Cost:	\$55,000.00

B. Feasibility Study for Active Extraction

Equipment Rental and Power Drop:	\$14,000.00
Power Supply	\$ 300.00
Monitoring	<u>\$ 5,000.00</u>
	\$19,300.00

IV. CONCLUSIONS

The Wisconsin DNR is recommending the installation and operation of an active gas extraction system with discharge to the atmosphere. Installation, operation, and monitoring of a feasibility study to evaluate the effectiveness of active extraction is estimated to cost \$19,300.00. It is recommended that this feasibility study be completed. The results of this study will be utilized to assess the potential success of a full scale active gas extraction system. Should this pilot study indicate the active gas extraction system will fail to address the landfill gas concerns observed in monitoring points GP-1 and GP-2, an alternate solution will be considered.

PLAN MODIFICATIONS
FOR
GROUND WATER MONITORING
AT THE
CITY OF AMERY LANDFILL

APRIL 2005

PREPARED FOR:

CITY OF AMERY
118 CENTER STREET
AMERY, WI 54001

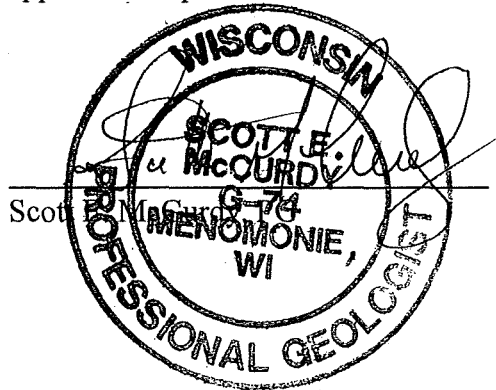
PREPARED BY:

CEDAR CORPORATION
604 WILSON AVENUE
MENOMONIE, WI 54751

PROJECT #1411-0085

SIGNATURE PAGE
PLAN MODIFICATION
FOR
GROUND WATER MONITORING
AT THE
CITY OF AMERY
FORMER MUNICIPAL LANDFILL
FID #00069

I, Scott E. McCurdy, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.



5/10/05
Date

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TABLES

Table 1	Monitoring Wells
Table 2	Ground Water Analytical Parameters, 1999 - 2004
Table 3	Detected VOC and Well Location
Table 4	Recommended Monitoring Schedule

I. INTRODUCTION

The City of Amery requests that a Plan Modification be approved for the ground water monitoring schedule at the Former Municipal Landfill, FID #00069. For the sake of brevity and completeness, readers are referred to the following documents for details on the Site Investigation, Remedial Action Plan, Corrective Actions and Monitoring Reports.

1. "Environmental Conditions Assessment, City of Amery Former Landfill #69, Amery, Wisconsin", February 1994.
2. "Environmental Conditions Assessment, Amery Landfill - Addendum 1 - Soil Boring to Assess Vertical and Horizontal Waste Limits", July 1995.
3. "City of Amery Former Municipal Landfill, FID #00069, Remedial Action Plan", September 1998.
4. "Preconstruction Report for Amery Landfill Cap Construction Project", June 1999.
5. "As-Built Documentation of the City of Amery 1999 Landfill Cap Construction", December 1999.
6. "Amery Landfill Ground Water Monitoring Sampling Variance Request", March 1, 2001.
7. "City of Amery Former Municipal Landfill, FID #00069, Remedial Action Effectiveness Evaluation and Landfill Gas Investigation Report," January 2005.

II. GROUND WATER MONITORING

The January, 2005 report discusses well replacement. The following wells are present at this facility:

**Table 1
Monitoring Wells**

Well Nest	Wells
MW	1, 2R, 2AR, 3 (Landfill)
A	1, 2, 3
B	1, 2
C	1, 2
D	1, 2
E	1, 2
F	1, 2, 3
G	1, 2, 3
H	1
Water Supply Wells	Ryan, Fouks, Jackson

Wells installed as water table observation wells are labeled: MW-1, MW-2R, MW-3, A-1, B-1, C-1, D-1, E-1, F-1, and G-1. Intermediate depth piezometers (well screens 30 feet below the observation well screens) are A-2, B-2, C-2, D-2, E-2, F-2, G-2, and H-1. Wells MW-2AR, A-3, F-3, and G-3 are deep piezometers with the screens set slightly above sandstone bedrock 70 to 90 feet below surface. Wells MW-2R, MW-2AR, and well nests B, F, and H are considered directly downgradient of the landfill.

Under the terms of the 1999 action plan approval, ground water monitoring occurred regularly, initially quarterly and later semi-annually over the past 5 years. All ground water samples were properly collected following EPA, WDNR, and laboratory protocols. In order to maintain data consistency, all samples were analyzed by the same State of Wisconsin certified laboratory - Watertown, Wisconsin based Test America, Inc., WDNR Certification No. 128053530. All samples were analyzed using EPA SW-846 standard methods for the compounds and frequency identified in Table 2.

Table 2
City of Amery Landfill
Ground Water Analytical Parameters
December 1999 to June 2000

Frequency:	Quarterly - All Wells
Compounds:	Alkalinity Chloride, Diss Chemical Oxygen Demand (COD) Hardness, Total Solids, Diss pH Specific Conductance Iron Manganese Volatile Organic Compounds

Table 2 (continued)

July 2000 to Present

S = Semi-Annual (December, June)

A = Annual (June)

Monitoring Point	DTW	VOC (8260)	Alkalinity	Chloride	COD	Hardness	pH	Specific Conductance	Iron	Manganese	Dissolved Solids
A-1	S	S	A	A	A	A	S	S	A	A	A
A-2	S	S	A	A	A	A	S	S	A	A	A
A-3	S	S	A	A	A	A	S	S	A	A	A
B-1	S	S	S	S	S	S	S	S	S	S	S
B-2	S	S	S	S	S	S	S	S	S	S	S
C-1	S	S	S	S	S	S	S	S	S	S	S
C-2	S	S	S	S	S	S	S	S	S	S	S
D-1	S	S	S	S	S	S	S	S	S	S	S
D-2	S	S	S	S	S	S	S	S	S	S	S
E-1	S	S	S	S	S	S	S	S	S	S	S
E-2	S	S	S	S	S	S	S	S	S	S	S
F-1	S	S	S	S	S	S	S	S	S	S	S
F-2	S	S	S	S	S	S	S	S	S	S	S
F-3	S	S	S	S	S	S	S	S	S	S	S
G-1	S	S	S	S	S	S	S	S	S	S	S
G-2	S	S	S	S	S	S	S	S	S	S	S
G-3	S	S	S	S	S	S	S	S	S	S	S
H-1	S	S	S	S	S	S	S	S	S	S	S
MW-1	S	S	S	S	S	S	S	S	S	S	S
MW-2R	S	S	S	S	S	S	S	S	S	S	S
MW-2AR	S	S	S	S	S	S	S	S	S	S	S
MW-3	S	S	S	S	S	S	S	S	S	S	S
Fouks		S	A	A	A	A	S	S	A	A	A
Jackson		S	A	A	A	A	S	S	A	A	A
Ryan		S	A	A	A	A	S	S	A	A	A

All ground water analytical data has been reported to the Department of Natural Resources through electronic deliverables. Appendix F of the January, 2005 report includes the analytical reports for the period June 2001 through December 2004.

III. INDICATOR PARAMETERS

Indicator parameters can be used as identifiers of potential contaminant plumes. Increased alkalinity, chlorides, COD, hardness, sulfates, and total dissolved solids, commonly have elevated concentrations when there is landfill leachate contamination in ground water. In the Amery Landfill well field, three wells continue to show elevated indicator parameters - MW-2R, MW-2AR, and B-2. The piezometers show increased total dissolved solids when compared to the observation wells in all well nests. This may well be a variation of aquifer characteristics as opposed to an indicator of contamination.

IV. VOLATILE ORGANIC COMPOUNDS

A. Results

The results are presented and fully discussed in the January, 2005 report.

Consistent detections above the Enforcement Standards for various compounds are present in well MW-2AR, but also B-2, F-2, and H-1 as noted in Table 3. Table 3 presents a comparison of detected compounds in 1999 vs. 2004 on a per well basis for wells MW-2R, MW-2AR, B-2, F-2, F-3, and H-1. The comparison also indicates if the compound presence exceeds regulatory standards or not.

**Table 3
Detected VOC and Well Location**

Compound	Consistent Detections of Compounds					
	X = Present Below PAL - or blank = Not Present			* = Present Above PAL ** = Present Above ES		
	MW-2R 1999/2004	MW-2AR 1999/2004	B-2 1999/2004	F-2 1999/2004	F-3 1999/2004	H-1 1999/2004
Benzene	X/--	*/*	X/X			
Chloroethane		**/**	*/--			
Dichlorodifluoromethane		X/X				
1,2-Dichloroethane		X/X				
1,1-Dichloroethane		X/X	X/--	X/--		
1,1-Dichloroethene	X/--	**/**	*/--	X/--		X/--
cis-1,2-Dichloroethene	X/--	**/**	*/X	X/X	X/--	X/X
trans-1,2-Dichloroethene		X/X				
Methylene Chloride		*/*	X/*			
Tetrachloroethene	**/**	**/**	**/**	*/*	*/*	
1,1,1-Trichloroethane	X/--	X/X	X/--	X/--		
1,1,2 - Trichloroethane		*/*				
Trichloroethene	**/*	**/**	**/*	*/*	*/*	*/*
Vinyl Chloride	*/--	**/**	**/**	**/--		**/**

B. Discussion

The presence of volatile organic compounds in wells F-2, F-3, and H-1 supports the results of the investigation that the contaminant plume is located primarily under City of Amery property or under the Apple River Impoundment. Northern portions of the Ryan and Proden properties appear to be within the boundary of the contaminant plume. The affected area under the Apple River Impoundment is in the Town of Lincoln.

However, concentrations appear to be decreasing in wells B-2, F-2, F-3, and H-1. At the 1 to 2 microgram per liter concentration it is difficult to observe significant decreases, however, the overall trend of the contaminant concentrations over the past 5 years is downward.

V. CONCLUSIONS

The 1999 proposed remedial action to move waste, reshape, and cap the landfill using a composite soil/geosynthetic cap was designed to reduce ground water contamination from the existing waste mass. By establishing a barrier to reduce the potential of surface water infiltration of the waste mass, the continued dissolution of the contaminants into ground water is minimized.

Ground water analyses still indicate the presence of contamination through elevated values of indicator parameters and elevated concentrations of VOC. However, in certain wells the concentrations are decreasing, thus in this regard the cap construction has been successful.

The continued presence of contaminants in downgradient wells is expected as the contaminants migrate slowly through the aquifer. Continued monitoring of the integrity of the cap (semi-annual visual inspection) and ground water monitoring of wells on the following schedule is recommended.

**Table 6
Future Monitoring Schedule**

Well	Frequency	Parameter
MW-1	Annual	VOC
MW-2R	Semi-Annual	VOC
MW-2AR	Semi-Annual	VOC
MW-3	Annual	VOC
A-1, 2, 3	Abandon	
B-1	Annual	VOC
B-2	Semi-Annual	VOC
C-1, 2	Abandon	
D-1, 2	Abandon	
E-1,2	Abandon	
F-1	Annual	VOC
F-2, 3	Semi-Annual	VOC
G-1, 2, 3	Abandon	
H-1	Semi-Annual	VOC
V-1, 2, 3	Quarterly	Landfill Gas
GP-1, 2, 8, 5	Monthly	Landfill Gas
GP-3, 4, 6, 7, 9	Quarterly	Landfill Gas

The City of Amery requests the WDNR to consider, review, and approve this Plan Modification.

July 7, 2003

Ms. Julie Riemenschneider
City of Amery
118 Center Street
Amery, WI 54001

RE: Amery Landfill Ground Water Monitoring, June 2003

Dear Julie:

The Amery Landfill analytical data for the June 2003 sampling period has been reviewed and the necessary documents have been forwarded to the DNR on your behalf. I have enclosed your copies of the ground water monitoring certification form, analytical results, and the DNR required memorandum explaining all analytical results that exceed Preventive Action Limits.

If you have any questions or concerns, please contact Scott McCurdy or me at your convenience.

Yours truly,

CEDAR CORPORATION



Mark Iverson
Environmental Specialist

MI/br

Enclosure

cc: WDNR - Bureau of Solid Waste, P.O. Box 7921, Madison, WI 53707
WDNR - Bill Schultz, 107 Sutliff Ave, Rhinelander, WI 54501

ENVIRONMENTAL MONITORING DATA CERTIFICATION

Note: Two data certification pages and two copies of any exceedance notification and explanation must be prepared for *each* license number included in the electronic submittal. One copy of each must be mailed to WDNR Central Office with the submittal and the second copies must be mailed to the WDNR Regional Office in which the facility is located.

Check here to indicate that a copy of this page (and a copy of the exceedance notification letter, if any) was mailed to the WDNR Regional Office.

The enclosed electronic submittal contains data for the following facility or facilities:

<u>License No.</u>	<u>Facility ID. No. (FID)</u>	<u>Facility Name</u>	<u>Sample Results for Month(s) of:</u>
00069	649009240	Amery Landfill	June, 2003

Type of data submitted (check as applicable):

- Groundwater monitoring data
 Non-groundwater monitoring data (gas, leachate, air)

Check one of the following:


- An exceedance notification and explanation *is attached*.
 An exceedance notification *is not attached* because there are no exceedances to report.

To the best of my knowledge, the information reported and the statements made on this data submittal and enclosures are true and correct. *Furthermore, per ss. NR 140.24(1)(a), NR 140.26(1)(a), NR 635.18(20) and NR 507.30, Wis. Adm. Codes, I have attached notification of enforcement standard, preventative action limit, or alternative concentration limit exceedances, if any, which includes a list of the wells at which the exceedances occurred and a preliminary analysis of the cause and significance of the concentration.*

Mark Iverson
Name (please print)

Environmental Specialist
Title

July 7, 2003
Date


Signature

715-235-9081
Phone Number

MEMORANDUM

TO: Wisconsin DNR Bureau of Solid Waste

FROM: Mark Iverson, Cedar Corporation

DATE: July 7, 2003

SUBJECT: Amery Landfill Preventative Action Limit (PAL) Exceedances

The semi-annual ground water sampling and analysis for the Amery Landfill, was completed on June 5, 2003. Wisconsin Administrative Code NR 140 Preventative Action Limits (PAL) have been exceeded for benzene, chloride, chloroethane, 1,1-Dichloroethylene, 1,1,2-trichloroethane, iron, manganese, 1,2-dichloroethane, cis-1,2-dichloroethene, trichloroethene, tetrachloroethylene, and vinyl chloride. One or a combination of these substances has been detected at or over the PAL in A-1, A-2, A-3, B-1, B-2, E-2, F-2, F-3, G-2, H-1, MW-1, MW-2R, MW-2AR, MW-3.

Chloromethane was detected above the PAL in the Fouks well. This compound has not been detected in the Fouks well during previous sampling events.

At this time, the contaminant concentration trends appear to be stable. See attached tables for VOC and indicator parameter detects.

MI/br

	SAMPLE DATE	NR 140 Exceedences		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	A-3	B-1	B-2	C-1	C-2	D-1	D-2	E-1	E-2	F-1	F-2	F-3	G-1	G-2	H-1	FOULKS		
		PAL	ES																									
DICHLORODIFLUOROMETHANE (ug/L) Enforcement Standard - 1000 Preventive Action Limit - 200	06/04/97																									0.57		
	06/10/98																									0.53		
	06/15/99																									0.28		
	12/13/99			0.34				2.2	0.31																	0.28		
	09/18/00			0.45				1.9																				
	06/27/01																									0.26		
	12/04/01			0.34				1.9																				
	06/14/02							1.6																				
	12/03/02			0.36				2.3																				
	06/05/03							1.4																				
1,2-DICHLOROETHANE (ug/L) Enforcement Standard - 5.0 Preventive Action Limit - 0.5	06/04/97				0.3	0.4																						
	06/10/98	X			0.68																							
	12/13/99	X						1.9					2.5															
	09/18/00	X						2																				
	12/06/00	X						1.2																				
	12/04/01	X						1.9					1.4															
	06/14/02	X						1.7																				
	12/03/02	X						1.5																				
	06/05/03	X						1.3																				
	1,1-DICHLOROETHANE (ug/L) Enforcement Standard - 850 Preventive Action Limit - 85	04/06/93				69	4.5							1.4								1.2	0.1					
06/01/93					38	3.2							1.7								1.2	0.1						
10/05/93					55	3.3							0.1								1.1	0.1						
12/15/93					41	3							1.1								0.1	0.1						
06/16/94					34	2.4							2.8								1.1	0.1						
09/12/94					69	3.3							2								0.1	0.1						
09/12/95					31	2.7							2.4								0.1	0.1						
06/29/96					25	2.6							2								0.1	0.1						
06/04/97					30	2.2							1.2								0.6							
06/10/98					73	2.6							1.5								0.65							
06/15/99					8.1								2															
09/21/99									27	0.52			2.4								0.45							
12/13/99									26				2								0.47					0.49		
03/13/00							0.71		26				2.1								0.59							
06/27/00									29				1.6													0.27		
09/18/00							1.7		29	0.51			1.7													0.48		
12/06/00									22				1.4								0.64					0.48		
06/27/01							0.4		25				1.4								0.53					0.48		
12/04/01									30				1.4								0.54					0.47		
06/14/02									27				1.3								0.44					0.47		
12/03/02								26				1.2								0.46								
06/05/03								23				0.74																
1,1-DICHLOROETHENE (ug/L) Enforcement Standard - 7 Preventive Action Limit - 0.7	04/06/93	X			1.7	4.5							0.1								0.1	0.1						
	06/01/93	X			1.3	3.2							0.1								0.1	0.1						
	10/05/93				0.1	0.1							0.1								0.1	0.1						
	12/15/93	X			1.1	0.1							0.1								0.1	0.1						
	03/15/94				0.1	0.1							0.1								0.1	0.1						
	06/16/94	X			1.5	0.1							0.1								0.1	0.1						
	09/12/94	X			1.1	0.1							0.1								0.1	0.1						
	09/12/95				0.1	0.1							0.1								0.1	0.1						
	06/29/96				0.1	0.1							0.1								0.1	0.1						
	06/04/97	X			0.8																0.6							
	06/10/98	X			1.2																0.64							
	09/21/99	X											2.4															
	12/13/99	X	X				1.6	28													0.27					0.45		
	03/13/00	X	X					32					0.39								0.63							
	06/27/00	X	X					37													0.67							
	09/18/00	X	X					33					0.31								0.78					0.49		
	12/06/00	X	X					23													0.48					0.46		
	06/27/01	X	X					31													0.88					0.68		
	12/04/01	X	X					31													0.66					0.47		
	06/14/02	X	X					24																		0.37		
12/03/02	X	X					26																		0.39			
06/05/03	X	X					19													0.53								

	SAMPLE DATE	NR 140 Exceedences		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	A-3	B-1	B-2	C-1	C-2	D-1	D-2	E-1	E-2	F-1	F-2	F-3	G-1	G-2	H-1	FOULKS			
		PAL	ES																										
TETRACHLOROETHENE (ug/L) Enforcement Standard - 5 Preventive Action Limit - 0.5	04/06/93	X	X		30	2.3							16								0.1	2.3							
	06/01/93	X	X		56	0.1							22									0.1	2.3						
	10/05/93	X	X		65	0.1							22									0.1	1.8						
	12/15/93	X	X		40	0.1							20									0.1	1.5						
	03/15/94	X	X		29	0.1							18									0.1	1.1						
	06/16/94	X	X		75	0.1							26									0.1	3						
	09/12/94	X	X		72	2.2							19									0.1	2.1						
	09/12/95	X	X		84	1.1							19									0.1	2.2						
	06/29/96	X	X		54	1.9							15									0.1	1.2						
	06/04/97	X	X		62	1.2							11		0.6							0.5	1					0.32	
	06/10/98	X	X		70	1.3							13		0.76							0.73	0.96					0.28	
	06/15/99	X	X		101	0.58							11									0.58	0.73					0.3	
	09/21/99	X																				0.64	1.3					0.3	
	12/13/99	X	X	0.33			18	120					12	0.3	0.57							0.78	1.4					0.26	
	03/13/00	X	X	0.36			17	110					13	0.34	0.52							0.89	1.4						
	06/27/00	X	X	0.33			8.5	120					12	0.28	0.51							0.88	1.3						
	09/18/00	X	X	0.37			20	110					11	0.56	0.56							0.84	1.3						
	12/06/00	X	X				12	88					11	0.35	0.5							0.83	1.4						
	06/27/01	X	X	0.35			16	100					11	0.33	0.49							0.85	1.2						
	12/04/01	X	X	0.29			10	110					11	0.41	0.42							0.83	1.3					0.37	
06/14/02	X	X	0.48			10	110					11	0.41	0.42							0.74	1.2							
12/03/02	X	X	0.34			12	95	0.28				9	0.3	0.52							1	1.3							
06/05/03	X	X				9.9	94					9.6																	
1,1,1 - TRICHLOROETHANE (ug/L) Enforcement Standard - 200 Preventive Action Limit - 40	03/15/94				4.3	0.1							0.1								0.1	0.1							
	06/16/94	X			50	0.1							0.1									0.1	0.1						
	09/12/94				18	0.1							0.1									0.1	0.1						
	09/12/95				4.6	0.1							2.1									0.1	0.1						
	06/29/96				3.3	0.1							0.1									0.1	0.1						
	06/04/97				5.2	0.3							0.5																
	06/10/98				26																							0.072	
	06/15/99				7.7																	0.76							
	12/13/99	X					2	49																					
	03/13/00	X					2.5	51					0.58									0.61							
	06/27/00	X					0.88	52					0.63									0.68							
	09/18/00	X					2.7	48					0.68									0.68							
	12/06/00						1.1	37																					
	06/27/01	X					1.1	40					0.53									0.51							
	12/04/01	X					0.68	46														0.6							
	06/14/02						0.89	35					0.46									0.36							
12/03/02						0.75	33														0.39								
06/05/03						0.77	29																						
1,1,2 - TRICHLOROETHANE (ug/L) Enforcement Standard - 5 Preventive Action Limit - 0.5	12/13/99	X						4.1																					
	03/13/00	X						4.5																					
	06/27/00	X						4.7																					
	09/18/00	X						4.3																					
	12/06/00	X						3.6																					
	06/27/01	X						4.1																					
	12/04/01	X						4.3																					
06/14/02	X						3.9																						
12/03/02	X						3.1																						
06/05/03	X						3.5																						
TRICHLOROFLUOROMETHANE (ug/L)	06/04/97																											0.14	
TOLUENE (ug/L) Enforcement Standard - 1000 Preventive Action Limit - 200	06/04/97				0.1	0.2																3.1			0.2	0.2	0.1	1.1	

	SAMPLE DATE	NR 140 Exceedences		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	A-3	B-1	B-2	C-1	C-2	D-1	D-2	E-1	E-2	F-1	F-2	F-3	G-1	G-2	H-1	FOULKS		
		PAL	ES																									
TRICHLOROETHENE (ug / L) Enforcement Standard - 5 Preventive Action Limit - 0.5	04/06/93	X	X		18	7.4							8.6								0.01	1.6						
	06/01/93	X	X		27	3.3							12								1.6	1.5						
	10/05/93	X	X		22	3.3							12								1.6	0.01						
	12/15/93	X	X		16	2.6							10								1.1	0.01						
	03/15/94	X	X		13	2.1							9								0.01	0.01						
	06/16/94	X	X		45	3.7							16								2.2	1.7						
	09/12/94	X	X		31	8.9							12								2.3	1.3						
	09/12/95	X	X		37	6.2							11								1.9	1.3						
	06/29/96	X	X		27	5.9							8.7								1.4	1.3						
	06/04/97	X	X		28	5.3							8.6									0.6					0.14	
	06/10/98	X	X		37	6.5							9.8								1.9	0.49						
	06/15/99	X	X		58	3.4															1.7							
	09/21/99	X	X											7.8							1.5	0.65					0.1	
	12/13/99	X	X					9	110					9							0.66	0.68				1		
	03/13/00	X	X					6.4	97					8.2							1.8	0.75				0.8		
	06/27/00	X	X					3.3	120					7.3							2	0.61				0.88		
	09/18/00	X	X					11	110					8.4							2.1	0.71				0.98		
	12/06/00	X	X					4.7	97					7.9							2.2	0.67				0.99		
	06/27/01	X	X					7.3	97					6.6							2	0.79				1.2		
	12/04/01	X	X					4.5	120					7.5							2.1	0.74				1.2		
	06/14/02	X	X					4	100					7.4							2	0.71				1.4		
	12/03/02	X	X					5.5	91					6.1							1.6	0.69				1.6		
	06/05/03	X	X					4	91					6							1.7	0.61				1.6		
	1,2,4-Trimethylbenzene	09/21/99																		0.5	0.44				0.45			
		12/13/99								0.18																		
	XYLENES (ug / L) Enforcement Standard - 10,000 Preventive Action Limit - 1000	06/04/97																									1.3	
		06/15/99																				1.4			0.52	0.43		
12/13/99				1.4					0.87	3.7													0.99					
VINYL CHLORIDE (ug / L) Enforcement Standard - 0.2 Preventive Action Limit - 0.02	04/06/93	X	X		90	9.3							3.6								3.7	0.01						
	06/01/93	X	X		56	5.7							6.1								2.8	0.01						
	10/05/93	X	X		43	4.8							4								2.1	0.01						
	12/15/93	X	X		38	5.7							4								1.6	0.01						
	03/15/94	X	X		24	3.4							2.8								0.01	0.01						
	06/16/94	X	X		21	3.4							8.4								1.2	0.01						
	09/12/94	X	X		45	4.6							4.9								0.01	0.01						
	09/12/95	X	X		34	2.1							4.9								0.01	0.01						
	06/29/96	X	X		30	3.5							2.6								0.01	0.01						
	06/04/97	X	X		38	2.7							2.1									0.01	0.01					
	06/10/98	X	X		46	3.2							4.4									0.98						
	06/15/99	X	X		7.6	2.6							5.3															
	09/21/99	X	X										4.2															
	12/13/99	X	X					0.77	150				8.1								0.82							
	03/13/00	X	X						180				7.7								0.45					0.59		
	06/27/00	X	X						160				5.8								1.5							
	09/18/00	X	X					2.6	160				7.4								1.7					0.91		
	12/06/00	X	X						140				8.4								1.5					0.76		
	06/27/01	X	X					1.4	120				5.4															
	12/04/01	X	X						150				6									1.2				0.97		
06/14/02	X	X						150				5.2									0.75				0.65			
12/03/02	X	X						150				4.5									0.99				0.97			
06/05/03	X	X						110				1.6									0.53				0.99			

Values of 0.1 and 0.01 indicate that the laboratory reported <MDL for this compound on that monitoring event.
Methylene Chloride was the only compound detected in MW-1, MW-3, B-1, D-1, D-2, E-1, E-2, F-1, G-1, G-2 and G-3.
*Sample results for MW-2 & MW-2A were collected on May 24, 1999 prior to their abandonment.

TABLE 2
CITY OF AMERY LANDFILL
INDICATOR PARAMETERS
AMERY, WI

MONITORING WELL	DATE	DO		REDOX	ALKALINITY	CHLORIDE	COD	HARDNESS	NO2+NO3	TDS	SULFATE	IRON	MN
		ES(mg/l)	PAL(mg/l)										
		250	125	10	2	250	0.1	0.05					
A-1	06/04/1997				<50	0.64	<7	33	NA		NA	0.03	NA
	06/10/1998				52	1.1	21	80	0.027		9.7	0.91	2.3
	06/15/1999				<50	<10	7.5	30	0.052		8.9	<0.024	0.25
	09/21/1999				<50	<10	26	40	<0.024	69	7.6	0.38	NA
	12/13/1999	0.1	160		<50	<5.0	9.7	50	<0.024	22	7.6	0.42	0.85
	03/13/2000	4.7	145		<50	<5.0	17	30	<0.024	62	7.8	0.23	1
	06/27/2000	1.1	75		<50	<5.0	23	210	0.047	110	<2.0	1.90	2.3
	09/18/2000	1.3	30		<50	<5.0	13	20	0.024	7.3	2.6	0.78	1
	12/06/2000	0.2	180		<50	<5.0	31	60	<0.024	88	3.8	0.58	0.97
	06/27/2001		50		<50	<5.0	11	44	0.062	54	7.4	0.69	1
	06/14/2002				<50	<5.0	6.4	60		73		1.60	1.9
	06/05/2003				49	<5.0	18	40		86		1.20	1.4
	A-2	06/04/1997				126	4.66	4.66	141	NA		NA	0.045
06/10/1998					110	3.9	<3.9	120	<0.017		9	0.029	0.81
06/15/1999					120	<10	<7.3	140	<0.017		13	<0.024	0.82
09/21/1999					120	<10	18	130	<0.024	150	10	<0.024	NA
12/13/1999		0.3	170		130	<5.0	<7.3	130	<0.024	<1.0	9	<0.024	0.69
03/13/2000		2.9	165		120	<5.0	13	130	<0.024	160	18	<0.024	0.8
06/27/2000		0.5	100		110	<5.0	<7.3	140	0.047	150	6.5	<0.024	0.79
09/18/2000		0.7	40		100	<5.0	<3.8	140	0.024	91	8.6	<0.024	0.79
12/06/2000		0.9	155		130	<5.0	9.4	140	<0.024	170	6	0.036	0.83
06/27/2001			25		120	<5.0	<3.8	140	0.073	44	12	<0.042	0.84
06/14/2002					130	<5.0	<5.7	130		150		<0.042	0.79
06/05/2003					120	5.1	<5.7	110		180		<0.042	0.85
A-3		06/04/1997				154	2.8	<7	175	NA		NA	0.171
	06/10/1998				150	2.6	<3.9	150	<0.017		9.3	0.23	0.41
	06/15/1999				160	<10	<7.3	160	<0.017		19	0.28	0.42
	09/21/1999				150	<10	<7.3	150	<0.024	170	9.7	0.15	NA
	12/13/1999	1.4	60		<50	<5.0	<7.3	150	<0.024	140	4.9	0.18	0.34
	03/13/2000	4.3	155		130	<5.0	<7.3	130	<0.024	180	20	0.20	0.42
	06/27/2000	0.3	75		100	<5.0	<7.3	170	0.047	170	5.4	0.10	0.42
	09/18/2000	0.5	25		120	<5.0	<3.8	120	0.024	120	7.3	0.22	0.42
	12/06/2000	3.1	130		120	<5.0	8.4	160	<0.024	190	5.2	0.19	0.44
	06/27/2001		90		150	<5.0	<3.8	170	0.052	40	12	0.16	0.46
	06/14/2002				150	<5.0	<5.7	160		160		0.16	0.42
	06/05/2003				140	<5.0	10	150		190		0.19	0.47
	B-1	06/04/1997				58	1.18	7	62	NA		NA	<0.030
06/10/1998					46	1.1	12	56	0.17		7.4	<0.019	0.29
06/15/1999					66	<10	9.1	60	0.044		8.6	0.380	0.4
09/21/1999					<50	<10	10	50	<0.024	83	7.2	0.120	NA
12/13/1999		0.6	225		<50	<5.0	15	70	<0.024	51	8.3	0.031	0.33
03/13/2000		0.4	160		57	<5.0	20	430	<0.024	72	12	<0.024	0.67
06/27/2000		1.2	140		<50	<5.0	12	70	0.047	83	2.4	<0.024	0.49
09/18/2000		3.3	150		<50	<5.0	11	60	0.024	41	5	<0.024	0.22
12/06/2000		0.8	190		54	<5.0	29	50	<0.024	350	3.4	<0.024	0.35
06/27/2001			160		71	<5.0	14	72	0.057	24	9.2	<0.042	0.44
12/04/2001					<10	<5.0	6.4	72		72		<0.042	0.28
06/14/2002					<50	<5.0	<5.7	80		110		<0.042	0.33
12/03/2002					56	<5.0	<5.7	64		93		<0.042	0.22
06/05/2003				71	<5.0	14			90		<0.042	0.086	
B-2	06/04/1997				344	20.7	8	415	NA		NA	<0.030	NA
	06/10/1998				380	23	5	400	0.075		87	0.035	0.2
	06/15/1999				340	23	10	410	<0.017		86	0.033	0.21
	09/21/1999				390	28	24	420	<0.024	520	58	<0.024	NA
	12/13/1999	0.2	235		460	30	16	410	<0.024	480	72	<0.024	0.16
	03/13/2000	0.2	175		360	36	21	100	<0.024	540	88	<0.024	0.2
	06/27/2000	0.6	160		340	35	12	460	0.047	610	100	<0.024	0.17
	09/18/2000	1.6	170		330	34	7.8	460	0.024	540	100	<0.024	0.19
	12/06/2000	0.7	205		300	28	23	440	<0.024	560	64	<0.024	0.24
	06/27/2001		180		380	34	9	450	0.05	470	88	<0.042	0.2
	12/04/2001				340	57	11	440		520		<0.042	0.18
	06/14/2002				360	27	7.7	390		510		<0.042	0.17
	12/03/2002				360	26	<5.7	380		450		<0.042	0.15
06/05/2003				300	21	14	300		420		<0.042	0.17	
C-1	06/04/1997				94	6.98	<7	104	NA		NA	<0.030	NA
	06/10/1998				72	6.9	6	100	1.1		7.9	<0.019	<0.0063
	06/15/1999				86	<10	<7.3	110	1.3		10	<0.024	0.055
	09/21/1999				100	<10	11	90	0.44	140	5.7	<0.024	NA
	12/13/1999	8.3	250		140	<5.0	<7.3	110	0.56	94	4.8	<0.024	<0.0086
	03/13/2000	7.9	65		100	<5.0	14	100	1.6	150	17	<0.024	<0.0086
	06/27/2000	11.3	120		<50	<5.0	7.4	100	2	150	5.9	<0.024	<0.0086
	09/18/2000	9.8	15		<50	<5.0	6.1	100	1.9	120	6.5	<0.024	<0.0086
	12/06/2000	6.4	170		<50	<5.0	<3.8	120	1.4	150	4.4	<0.024	<0.0086
	06/27/2001		90		96	14	<3.8	120	1.4	72	13	<0.042	<0.0018
	12/04/2001				88	13	<3.8	100		130		<0.042	<0.0018
	06/14/2002				<50	23	<5.7	120		160		<0.042	<0.0018
	12/03/2002				99	7.4	<5.7	120		140		<0.042	<0.0018
	06/05/2003				120	9.8	16	110		190		<0.042	<0.0018

MONITORING WELL	DATE	DO		REDOX	ALKALINITY	CHLORIDE	COD	HARDNESS	NO2+NO3	TDS	SULFATE	IRON	MN	
		ES(mg/l) PAL(mg/l)				250 125			10 2		250 125	0.3 0.025	0.05	
C-2	06/04/1997				117	1.45	<7	134	NA		NA	<0.030	NA	
	06/10/1998				100	1.3	<3.9	120	0.81		7.2	<0.019	<0.0063	
	06/15/1999				120	<10	<7.3	120	0.85		4.8	<0.024	<0.0086	
	09/21/1999				110	<10	<7.3	120	0.7	150	8.8	<0.024	NA	
	12/13/1999	9.2	240		330	<5.0	<7.3	120	0.72	100	4.9	<0.024	<0.0086	
	03/13/2000	8.2	70		110	<5.0	10	50	0.78	130	18	<0.024	<0.0086	
	06/27/2000	9.8	120		95	<5.0	<7.3	130	0.8	150	5.4	<0.024	<0.0086	
	09/18/2000	8	60		82	<5.0	<3.8	120	0.8	110	6.7	<0.024	<0.0086	
	12/06/2000	5.5	180		60	<5.0	3.9	140	0.81	150	4.9	<0.024	<0.0086	
	06/27/2001		120		110	<5.0	<3.8	130	1	66	10	<0.042	<0.0018	
	12/04/2001				120	<5.0	<3.8	120		160		<0.042	<0.0018	
	06/14/2002				120	<5.0	<5.7	160		140		<0.042	<0.0018	
	12/03/2002				120	<5.0	<5.7	150		160		<0.042	<0.0018	
	06/05/2003				120	5.3	6.3	120		170		<0.042	<0.0018	
	D-1	06/10/1998				25	<1.0	<3.9	24	0.21		4.1	<0.019	<0.0063
		06/15/1999				<50	<10	8.1	50	0.081		4.3	0.024	<0.0086
		09/21/1999				<50	<10	22	20	0.2		5.6	0.120	NA
12/14/1999		1.4	210		<50	<5.0	<7.3	30	0.21	<1.0	5	0.065	<0.0086	
03/13/2000		5.4	150		19	<5.0	15	20	0.48	30	7.7	<0.024	<0.0086	
06/27/2000		7.4	60		<50	<5.0	7.3	10	0.17	37	<2.0	<0.024	<0.0086	
09/18/2000		4.3	165		<50	<5.0	8.4	10	0.48	19	2.4	<0.024	<0.0086	
12/06/2000		2.9	170		<50	<5.0	<3.8	20	0.21	57	2.5	<0.024	<0.0086	
06/27/2001			105		<50	<5.0	6.1	20	0.17	<1.0	6.8	<0.042	<0.0018	
12/04/2001					<50	<5.0	8.4	16		52		<0.042	<0.0018	
06/14/2002					<50	<5.0	<5.7	30		38		<0.042	<0.0018	
12/03/2002					11	<5.0	<5.7	24		50		<0.042	<0.0018	
06/05/2003					<50	<5.0	25	20		52		<0.042	<0.0018	
D-2		06/10/1998				34	1.3	8.6	40	0.74		4.1	<0.019	<0.0063
		06/15/1999				<50	<10	<7.3	40	0.56		7.8	<0.024	<0.0086
		09/21/1999				<50	<10	<7.3	40	0.4	65	5.9	<0.024	NA
		12/14/1999	4.3	270		<50	<5.0	<7.3	30	0.39	1.7	4.9	<0.024	<0.0086
	03/13/2000	6.2	145		32	<5.0	13	40	0.440	63	8	<0.024	<0.0086	
	06/27/2000	6.2	65		<50	<5.0	7.4	30	0.47	62	4.1	<0.024	<0.0086	
	09/18/2000	4.7	185		<50	<5.0	3.9	30	0.42	54	4.8	<0.024	<0.0086	
	12/06/2000	3.5	115		<50	<5.0	12	20	0.39	99	4.2	<0.0024	<0.0086	
	06/27/2001		110		<50	<5.0	<3.8	44	0.52	6	7.2	<0.042	<0.0018	
	12/04/2001				52	<5.0	5.1	40		67		<0.042	<0.0018	
	06/14/2002				<50	<5.0	<5.7	40		73		<0.042	<0.0018	
	12/03/2002				33	<5.0	<5.7	40		68		<0.042	<0.0018	
	06/05/2003				<50	<5.0	11	40		83		<0.042	<0.0018	
	E-1	06/10/1998				56	1.7	8.6	64	0.084		7.9	<0.019	<0.0063
		06/15/1999				68	<10	<7.3	70	0.074		11	<0.024	<0.0086
		09/21/1999				<50	<10	<7.3	40	0.28	86	7.3	<0.024	NA
		12/14/1999	3	255		<50	<5.0	<7.3	40	0.17	63	8.5	<0.024	<0.0086
03/13/2000		1.5	170		40	<5.0	9.7	40	<0.024	67	8.5	<0.024	<0.0086	
06/27/2000		4.4	90		<50	<5.0	11	60	0.047	89	6.8	<0.024	<0.0086	
09/18/2000		5.3	110		<50	<5.0	<3.8	30	0.38	47	5.5	<0.024	<0.0086	
12/06/2000		1	30		<50	<5.0	9.1	40	0.17	110	5.8	<0.024	<0.0086	
06/27/2001			90		<50	<5.0	<3.8	70	0.13	32	11	<0.042	<0.0018	
12/04/2001					<50	<5.0	11	60		77		<0.042	<0.0018	
06/14/2002					<50	<5.0	<5.7	80		120		<0.042	<0.0018	
12/03/2002					82	<5.0	29	76		100		<0.042	0.014	
06/05/2003					<50	<5.0	13	70		120		<0.042	<0.0018	
E-2		06/10/1998				74	1.7	18	96	<0.017		4.1	29	0.51
		06/15/1999				92	<10	20	90	0.25		11	29	0.52
		09/21/1999				97	<10	18	70	0.38	130	7.3	12	NA
		12/14/1999	0.2	60		92	<5.0	15	70	<0.024	87	5	20	0.42
	03/13/2000	0.7	40		88	<5.0	28	80	<0.024	120	15	26	0.52	
	06/27/2000	1.2	50		<50	<5.0	18	50	0.047	140	<2.0	24	0.48	
	09/18/2000	3.8	-65		<50	<5.0	13	220	0.21	110	<2.0	26	0.49	
	12/06/2000	0.1	-20		71	<5.0	18	250	<0.024	140	<2.0	22	0.45	
	06/27/2001		-75		53	<5.0	8.4	130	0.08	54	6	21	0.48	
	12/04/2001				75	5.7	17	80		130		26	0.49	
	06/14/2002				<50	<5.0	8.7	80		100		25	0.47	
	12/03/2002				46	8.8	14	80		120		27	0.53	
	06/05/2003				51	<5.0	23	70		150		28	0.52	
	F-1	06/04/1997				<50	0.62	<7	49	NA		NA	<0.030	NA
		06/10/1998				41	<1.0	21	64	3.1		6.2	<0.019	<0.0063
		06/15/1999				57	<10	14	60	0.97		9.2	0.024	<0.0086
		09/21/1999				<50	<10	28	60	0.8	85	7.7	<0.024	NA
12/13/1999		3.1	140		<50	<5.0	11	60	0.87	27	4.9	<0.024	<0.0086	
03/13/2000		5	125		43	<5.0	24	40	0.53	59	9.5	0.038	<0.0086	
06/27/2000		4.9	80		<50	<5.0	22	100	1.4	85	3	<0.024	<0.0086	
09/18/2000		2	105		<50	<5.0	21	20	2.9	78	6.8	<0.024	<0.0086	
12/06/2000		1.3	60		<50	<5.0	14	40	1.6	91	5.3	<0.024	<0.0086	
06/27/2001			65		<50	<5.0	8.4	64	3.4	10	9.5	<0.042	<0.0018	
12/04/2001					72	<5.0	12	60		60		<0.042	<0.0018	
06/14/2002					<50	<5.0	<5.7	70		81		<0.042	<0.0018	
12/03/2002					70	<5.0	<5.7	80		63		<0.042	<0.0018	
06/05/2003					<50	<5.0	18	60		89		<0.042	<0.0018	

MONITORING WELL	DATE	ES(mg/l)	DO	REDOX	ALKALINITY	CHLORIDE	COD	HARDNESS	NO2+NO3	TDS	SULFATE	IRON	MN
		PAL(mg/l)				250					250	0.3	0.05
			125				125			10		0.15	0.025
									2		125		
F-2	06/04/1997				176	5.78	<7	202	NA		NA	1.77	NA
	06/10/1998				170	4.8	<3.9	180	0.05		11	2.0	0.26
	06/15/1999				160	<10	<7.3	190	0.025		14	2.0	0.26
	09/21/1999				170	15	<7.3	160	<0.024	210	11	1.7	NA
	12/13/1999	5.2	35		98	<5.0	<7.3	160	<0.024	160	4.9	0.13	0.23
	03/13/2000	6.2	105		170	<5.0	9.7	170	<0.024	200	23	1.8	0.27
	06/27/2000	1.1	40		140	<5.0	<7.3	180	0.047	240	8.9	1.9	0.26
	09/18/2000	0.3	-80		150	<5.0	<3.8	180	0.024	180	11	1.8	0.24
	12/06/2000	0.5	-25		150	11	5.2	100	<0.024	220	7.1	1.8	0.24
	06/27/2001		25		140	<5.0	<3.8	190	0.059	260	13	1.9	1.9
	12/04/2001				160	6.5	5.4	180		180		1.8	0.25
	06/14/2002				170	<5.0	<5.7	180		180		2.0	0.23
	12/03/2002				150	7.8	<5.7	190		200		0.86	0.27
	06/05/2003				160	<5.0	15	170		210		2.1	0.31
F-3	06/04/1997				169	2.05	<7	193	NA		NA	<0.030	NA
	06/10/1998				160	2.1	<3.9	160	0.4		9.5	0.023	<0.0063
	06/15/1999				160	<10	<7.3	170	0.39		13	<0.024	<0.0086
	09/21/1999				160	<10	<7.3	40	0.21	200	12	0.12	NA
	12/13/1999	0.5	140		180	<5.0	<7.3	170	<0.024	170	8.9	1.60	0.23
	03/13/2000	7.2	170		150	<5.0	9.4	150	0.130	190	18	0.10	0.031
	06/27/2000	0.7	20		120	<5.0	<7.3	180	0.18	230	6.5	0.120	0.0045
	09/18/2000	2.3	-5		140	<5.0	<3.8	160	0.15	180	10	0.210	0.059
	12/06/2000	0.3	60		140	<5.0	3.9	80	0.093	210	7.4	0.230	0.042
	06/27/2001		110		170	<5.0	<3.8	190	0.17	200	14	0.120	0.029
	12/04/2001				180	9.8	12	200		220		0.120	0.034
	06/14/2002				190	5.1	<5.7	180		210		0.082	0.015
	12/03/2002				170	5.3	<5.7	180		220		0.084	0.019
	06/05/2003				160	<5.0	11	160		190		0.074	0.014
G-1	06/10/1998				43	<1.0	14	52	1.3		4.1	<0.019	<0.0063
	06/15/1999				54	<10	8.1	50	0.74		8.5	<0.024	<0.0086
	09/21/1999				<50	<10	12	170	1.4	85	7.3	0.120	NA
	12/14/1999	4.2	50		55	<5.0	28	60	0.74	57	4.8	<0.024	<0.0086
	03/13/2000	4.7	170		55	<5.0	18	30	0.460	59	7	0.037	<0.0086
	06/27/2000	8.2	70		<50	<5.0	14	30	1	95	2.7	<0.024	<0.0086
	09/18/2000	3.2	95		<50	<5.0	16	20	1.2	53	3.2	<0.024	<0.0086
	12/06/2000	3.5	150		<50	<5.0	10	50	1.2	89	3.4	<0.024	<0.0086
	06/27/2001		25		<50	<5.0	4.7	30	1.3	62	5.4	<0.042	<0.0018
	12/04/2001				53	<5.0	16	60		81		<0.042	<0.0018
	06/14/2002				<50	<5.0	<5.7	40		74		<0.042	<0.0018
	12/03/2002				67	<5.0	7	60		97		<0.042	<0.0018
	06/05/2003				<50	<5.0	18	40		92		<0.042	<0.0018
G-2	06/10/1998				54	1	11	68	0.22		6.3	<0.019	0.17
	06/15/1999				81	<10	<7.3	110	0.14		14	1.00	0.29
	09/21/1999				59	<10	13	80	0.065	110	7.3	0.17	NA
	12/14/1999	7.3	115		77	<5.0	11	70	<0.024	78	5.3	<0.024	0.21
	03/13/2000	4.6	160		55	<5.0	17	80	<0.024	110	19	0.41	0.27
	06/27/2000	0.6	70		<50	<5.0	11	70	0.031	140	<2.0	0.10	0.26
	09/18/2000	1.8	140		67	<5.0	6.5	70	0.024	67	2.2	0.096	0.27
	12/06/2000	0.2	170		54	<5.0	11	80	<0.024	160	<2.0	0.86	0.23
	06/27/2001		190		54	<5.0	<3.8	92	0.098	92	5.1	0.28	0.26
	12/04/2001				<50	<5.0	13	84		110		0.26	0.26
	06/14/2002				84	<5.0	<5.7	100		120		0.29	0.25
	12/03/2002				72	<5.0	<5.7	68		120		0.18	0.26
	06/05/2003				<50	<5.0	12	60		98		0.16	0.25
G-3	06/10/1998				170	1.8	<3.9	180	<0.017		9.2	<0.019	0.1
	06/15/1999				160	<10	<7.3	170	<0.017		12	<0.024	0.16
	09/21/1999				170	<10	<7.3	190	<0.024	180	22	<0.024	NA
	12/14/1999	6.8	85		170	<5.0	<7.3	160	<0.024	120	4.9	0.065	0.085
	03/13/2000	5	130		160	<5.0	9.1	60	0.140	200	24	<0.024	0.13
	06/27/2000	0.5	45		130	<5.0	<7.3	170	0.031	220	4.9	<0.024	0.084
	09/18/2000	3.3	60		150	NA	<3.8	160	0.024	170	NA	<0.024	0.11
	12/06/2000	0.1	180		150	<5.0	4.8	180	<0.024	240	5.4	<0.024	0.082
	06/27/2001		65		170	<5.0	<3.8	200	<0.024	190	11	<0.042	0.076
	12/04/2001				140	5.1	8	170		200		<0.042	0.093
	06/14/2002				190	<5.0	<5.7	180		190		<0.042	0.074
	12/03/2002				150	<5.0	<5.7	180		210		<0.042	0.068
	06/05/2003				170	<5.0	11	160		200		<0.042	<0.066
H-1	12/14/1999		1.1	165	170	<5.0	<7.3	160	<0.024	170	9.6	0.77	0.24
	03/13/2000		2.3	55	160	<5.0	11	160	<0.024	200	25	0.78	0.21
	06/27/2000		0.2	110	120	<5.0	<7.3	170	0.031	220	6.3	1.0	0.23
	09/18/2000		2.6	10	140	<5.0	<3.8	190	0.024	180	10	1.4	0.22
	12/06/2000		0.1	55	130	5.9	4.5	200	<0.024	240	6.2	1.2	0.2
	06/27/2001			85	140	5.0	<3.8	180	0.031	200	9.9	1.7	0.19
	12/04/2001				130	6.3	<3.8	180		210		1.8	0.2
	06/14/2002				170	<5.0	<5.7	180		190		1.9	0.17
	12/03/2002				160	5.4	<5.7	180		240		2.3	0.19
	06/05/2003				150	<5.0	8.5	160		200		2.30	0.2
MW-1	06/12/1997				77	16.3	13	117	NA		NA	<0.030	NA
	06/10/1998				62	15	7.3	108	3.8		15	<0.019	0.94
	06/15/1999				98	13	<7.3	120	4.8		17	<0.024	0.44
	12/13/1999	2.5	220		<50	<5.0	13	110	4.5	160	21	<0.024	0.95
	03/13/2000	1.4	130		82	8.9	16	130	7	210	29	<0.024	1
	06/27/2000	1.5	135		<50	5	20	180	13	280	33	<0.024	1.4
	09/18/2000	3.4	175		77	12	6.8	150	7.7	210	35	0.160	1.3
	12/06/2000	0.7	100		87	8.8	16	160	8.3	240	30	0.099	1.3
	06/27/2001		130		130	5.1	7.7	210	16	280	69	<0.042	1.6
	12/04/2001				<50	20	6.1	160		260		<0.042	0.74
	06/14/2002				<50	15	<5.7	160		280		<0.042	1.1
	12/03/2002				42	39	<5.7	150		240		<0.042	0.92
	06/05/2003				47	25	14	140		350		<0.042	1.1

MONITORING WELL	DATE	DO		REDOX	ALKALINITY	CHLORIDE	COD	HARDNESS	NO2+NO3	TDS	SULFATE	IRON	MN
		ES(mg/l)	PAL(mg/l)										
		250	10										
MW-2	06/12/1997				752	88.4	50	1260	NA		250	0.3	0.05
	06/10/1998				670	100	45	1100	0.87		125	0.15	0.025
MW-2A	06/04/1997				980	188	64	1100	NA		NA	13	NA
	06/10/1998				800	120	51	740	<0.017		44	14	9.9
MW-2R	12/13/1999		0.8	-80	260	<5.0	22	270	0.26	360	53	<0.024	0.79
	03/13/2000		1.1	225	240	7.9	40	230	1.8	310	40	0.310	0.55
	06/27/2000		5.1	110	180	<5.0	24	230	2.9	350	18	<0.024	<0.0086
	09/18/2000		1.8	190	210	15	18	310	0.81	370	66	<0.024	0.079
	12/06/2000		3	250	160	7.7	11	230	2	280	14	<0.024	0.062
	06/27/2001			110	190	7.1	<3.8	220	5.7	220	52	<0.042	0.14
	12/04/2001				150	11	11	190		240		<0.042	<0.0018
	06/14/2002				190	6.1	<5.7	200		260		<0.042	<0.0018
	12/03/2002				200	5.7	<5.7	170		220		<0.042	0.051
	06/05/2003				130	<5.0	8.8	130		190		<0.042	<0.0018
MW-2AR	12/13/1999		0.2	55	850	180	42	920	<0.024	1600	280	<0.024	0.14
	03/13/2000		0.4	235	850	190	44	1000	0.085	1550	260	<0.024	0.097
	06/27/2000		0.7	75	720	220	34	1000	0.031	1600	350	<0.024	0.068
	09/18/2000		1.5	165	710	180	28	980	0.024	1600	310	<0.024	0.074
	12/06/2000		0.2	250	680	180	38	1010	<0.024	1,500	240	<0.024	0.062
	06/27/2001			100	810	170	32	1000	0.11	1,400	420	<0.042	0.069
	12/04/2001				720	230	31	990		1,500		<0.042	0.075
	06/14/2002				890	170	28	1000		1,600		<0.042	0.082
	12/03/2002				850	170	17	1010		1,400		<0.042	0.077
	06/05/2003				850	160	39	970		1,600		<0.042	0.096
MW-3	06/12/1997				175	21.1	28	189	NA		NA	1.750	NA
	06/10/1998				79	2.9	<3.9	110	0.056		12	3.0	2.5
	06/15/1999				120	<10	7.5	140	0.13		14	6.0	3.5
	09/21/1999				94	<10	<7.3	90	0.078	150	22	4.9	NA
	12/13/1999		0.5	25	700	97	81	510	<0.024	820	22	25.0	6.6
	03/13/2000		0.7	140	310	25	32	260	0.130	340	55	14.0	2.9
	06/27/2000		0.8	120	120	12	12	170	2.4	240	8.4	2.40	2.7
	09/18/2000		1.6	15	360	23	21	390	0.024	480	9.2	9.90	4.7
	12/06/2000		2	65	300	14	21	300	<0.024	410	5.9	9.40	3.6
	06/27/2001			45	73	<5.0	9.7	72	0.19	36	13	0.19	1.4
12/04/2001				130	14	5.4	180		220		1.50	2.2	
06/14/2002				<50	<5.0	<5.7	60		100		<0.042	0.066	
12/03/2002				69	<5.0	<5.7	68		95		<0.042	0.2	
06/05/2003				54	<5.0	18	60		100		<0.042	<0.0018	
FOUKS	06/04/1997				156	8.17	<7	180	NA		NA	0.089	NA
	06/10/1998				140	6	<3.9	180	3.1		11	0.130	<0.0063
	06/15/1999				150	<10	<7.3	160	3.4		12	0.051	<0.0086
	09/21/1999				150	<10	<7.3	160	1.3	200	12	0.350	NA
	12/13/1999		4	205	170	<5.0	8.4	150	2.8	150	4.9	0.160	0.012
	03/13/2000		2.9	85	160	6.4	9.4	180	3.6	210	31	0.040	<0.0086
	06/27/2000		5.3	120	110	<5.0	<7.3	150	2.8	210	6.4	0.069	0.012
	09/18/2000		1.8	170	100	6.2	<3.8	150	3.2	190	9.7	0.054	<0.0086
	12/06/2000		NA	145	110	7.4	7.4	170	3.7	250	6.8	0.049	<0.0086
	06/27/2001			100	97	6.4	<3.8	170	3.3	200	11	0.13	0.0061
06/14/2002				150	7.2	<5.7	170		200		0.16	0.0021	
06/05/2003				130	9	9.5	160		210		0.270	0.024	
RYAN	06/04/1997				63	7.17	<7	82	NA		NA	<0.030	NA
	06/10/1998				63	4	<3.9	84	1.4		8.6	<0.019	<0.0063
	06/15/1999				740	<10	<7.3	90	0.91		4.9	<0.024	<0.0086
	09/21/1999				78	<10	<7.3	80	1.4	130	9.3	<0.024	NA
	12/13/1999		NA	225	91	7.6	<7.3	90	2	100	4.8	<0.024	<0.0086
	03/13/2000		8.3	270	76	<5.0	9.1	90	1.9	130	14	<0.024	<0.0086
	06/27/2000		10.8	120	<50	<5.0	<7.3	120	1.1	140	6.5	<0.024	<0.0086
	09/18/2000		6.2	175	<50	5	<3.8	90	2.1	120	9.2	<0.024	<0.0086
	12/06/2000		NA	170	68	6.6	4.2	100	2.3	190	7	<0.024	<0.0086
	06/27/2001			80	<50	15	<3.8	100	2.6	170	12	<0.042	<0.0018
06/14/2002				<50	6.6	<5.7	80		110		<0.042	<0.0018	
06/05/2003				<50	<5.0	9.5	70		110		<0.042	<0.0018	
JACKSON	06/10/1998				NA	NA	NA	NA	0.27		7.8	0.049	0.011
	06/15/1999				150	<10	<7.3	170	0.28		12	0.041	0.031
	09/21/1999				170	<10	<7.3	160	0.4	200	10	0.081	NA
	12/13/1999		NA	250	180	<5.0	<7.3	150	0.16	170	8.7	<0.024	0.016
	03/13/2000		1.2	90	180	6.2	9.7	160	0.22	180	24	0.046	0.039
	06/27/2000		1.1	120	120	<5.0	<7.3	160	0.22	200	3.7	<0.024	0.1
	09/18/2000		0.2	170	120	<5.0	<3.8	160	0.26	170	6.2	0.041	0.052
	12/06/2000		NA	120	140	<5.0	7.1	160	0.13	260	3.9	<0.024	0.013
	06/27/2001			105	120	<5.0	<3.8	170	0.09	180	10	0.11	0.62
	06/14/2002				170	<5.0	<5.7	170		190		0.21	0.47
06/05/2003				150	<5.0	<5.7	150		180		<0.042	0.021	

ES = ENFORCEMENT STANDARD
PAL = PREVENTIVE ACTION LIMIT
NA = NOT ANALYZED



Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone 920-261-1660 or 800-833-7036
Fax 920-261-8120

To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring

Client Name: Cedar Corporation Client #: _____

Address: 604 Wilson Avenue

City/State/Zip Code: Menomonee, WI 54751

Project Manager: Ryan Yarrington

Telephone Number: 715-235-9081 Fax: 715-235-2727

Sampler Name: (Print Name) Ryan Yarrington

Sampler Signature: _____

Project Name: Amery Landfill

Project #: 1411-0074-304-01

Site/Location ID: Amery State: WI

Report To: Cedar Corp.

Invoice To: City of Amery

Quote #: _____ PO#: _____

TAT <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (surcharges may apply)	Date Needed: _____	Fax Results: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix										Analyze For:								QC Deliverables None Level 2 (Batch QC) Level 3 Level 4 Other: _____	REMARKS		
							SL - Sludge	DW - Drinking Water	GW - Groundwater	S - Soil/Solid	WW - Wastewater	Specify Other	HNO ₃	HCl	NaOH	H ₂ SO ₄	Methanol	None	Other (Specify)	BOZ	Manganese	Iron	Alkalinity	Chloride			COD	Hardness
MW-1	001	JNR #	6/5/03	1046	G		6W	1	3	1	1						X	X	X	X	X	X	X	X				
MW-ZAR	024			1126																								
MW-ZR	023			1055																								
MW-3	003			1015																								
A-1	005			0935																								
A-2	006			0950																								
A-3	007			0945																								
B-1	008			0905																								
B-2	009			0920																								
C-1	016		✓	1220	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Special Instructions: _____

LABORATORY COMMENTS:
Init Lab Temp: _____
Rec Lab Temp: once

Page 1 of 3

Relinquished By: <u>[Signature]</u>	Date: <u>6/9/03</u>	Time: <u>0700</u>	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: <u>[Signature]</u>	Date: <u>6/10</u>	Time: <u>4:10</u>

Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment: dublin

26/10/03

Client Name: Cedar Corporation Client #: _____

Address: 604 Wilson Avenue

City/State/Zip Code: Menomonee, WI 54751

Project Manager: Ryan Farrington

Telephone Number: 715-235-9081 Fax: 715-235-2727

Sampler Name: (Print Name) Ryan Farrington

Sampler Signature: [Signature]

Project Name: Amery L/F

Project #: 1411-00074-304-01

Site/Location ID: Amery State: WI

Report To: Cedar Corp

Invoice To: City of Amery

Quote #: _____ PO#: _____

TAT <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (surcharges may apply)	Date Needed: _____	Fax Results: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	SAMPLE ID	DNR #	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other	Preservation & # of Containers							Analyze For:							QC Deliverables None Level 2 (Batch QC) Level 3 Level 4 Other: _____	REMARKS	
										HNO ₃	HCl	NaOH	H ₂ SO ₄	Methanol	None	Other (Specify)	BOD ₅	Manganese	Iron	Alkalinity	Chloride	COD	Hardness			TDS
			C-2	011	6/5/03	1230	6		6W	1	3	1	1				X	X	X	X	X	X	X	X		
			D-1	012		1340																				
			D-2	013		1400																				
			E-1	014		1320																				
			E-2	015		1325																				
			F-1	016		1410																				
			F-2	017		1420																				
			F-3	018		1430																				
			G-1	019		1240																				
			G-2	020	✓	1300	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Special Instructions:

LABORATORY COMMENTS:

Init Lab Temp: _____

Rec Lab Temp: once

Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N

Method of Shipment: duelan

Relinquished By: <u>[Signature]</u>	Date: <u>6/9/03</u>	Time: <u>0700</u>	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: <u>[Signature]</u>	Date: <u>6/10</u>	Time: <u>1410</u>

Page 2 of 3

6/10/03



Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone 920-261-1660 or 800-833-7036
Fax 920-261-8120

To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring

0205064

Client Name: Cedar Corporation Client #: _____
Address: 604 Wilson Ave
City/State/Zip Code: Menomonie, WI 54751
Project Manager: Ryan Yarrington
Telephone Number: 715-235-9081 Fax: 715-235-2727
Sampler Name: (Print Name) Ryan Yarrington
Sampler Signature: [Signature]

Project Name: Amery L/F
Project #: 1411-0074-304-01
Site/Location ID: Amery State: WI
Report To: Cedar Corp.
Invoice To: City of Amery
Quote #: _____ PO#: _____

TAT <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (surcharges may apply)		Date Needed:	Fax Results: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	Preservation & # of Containers										Analyze For:	QC Deliverables					
SL - Sludge DW - Drinking Water	GW - Groundwater S - Soil/Solid								WW - Wastewater	Specify Other	HNO ₃	HCl	NaOH	H ₂ SO ₄	Methanol	None	Other (Specify)	8021		Manganese	Iron	Alkalinity	Chloride	COD	Hardness
SAMPLE ID	DNR#																								REMARKS
G-3	020	6/5/03		1310	6			6W	1	3	1							X	X	X	X	X	X	X	
H-1	025			1445																					
Forks	101			1150																					
Jackson	102			1140																					
Ryan	103			1200																					
H-1 (Dup)																									

Special Instructions: _____

LABORATORY COMMENTS:

page 3 of 3

Init Lab Temp: _____
Rec Lab Temp: once

Relinquished By: <u>[Signature]</u>	Date: <u>6/9/03</u>	Time: <u>0700</u>	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: <u>[Signature]</u>	Date: <u>6/10</u>	Time: <u>14:10</u>

Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N

Method of Shipment: dulcan

12/6/10/03

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

06/23/2003

Job No: 03.05064

Page 1 of 61

The following samples were received by TestAmerica for analysis:

1411-0074-304-01 Amery Landfill

Sample Number	Sample Description	Date Taken	Date Received
527329	00069001 MW-1	06/05/2003	06/10/2003
527330	00069024 MW-2AR	06/05/2003	06/10/2003
527331	00069023 MW-2R	06/05/2003	06/10/2003
527332	00069003 MW-3	06/05/2003	06/10/2003
527333	00069004 A-1	06/05/2003	06/10/2003
527334	00069006 A-2	06/05/2003	06/10/2003
527335	00069007 A-3	06/05/2003	06/10/2003
527336	00069008 B-1	06/05/2003	06/10/2003
527337	00069009 B-2	06/05/2003	06/10/2003
527338	00069010 C-1	06/05/2003	06/10/2003
527339	00069011 C-2	06/05/2003	06/10/2003
527340	00069012 D-1	06/05/2003	06/10/2003
527341	00069013 D-2	06/05/2003	06/10/2003
527342	00069014 E-1	06/05/2003	06/10/2003
527343	00069015 E-2	06/05/2003	06/10/2003
527344	00069016 F-1	06/05/2003	06/10/2003
527345	00069017 F-2	06/05/2003	06/10/2003
527346	00069018 F-3	06/05/2003	06/10/2003
527347	00069019 G-1	06/05/2003	06/10/2003
527348	00069020 G-2	06/05/2003	06/10/2003



Brian D. DeJong
Organic Operations Manager



ANALYTICAL REPORT

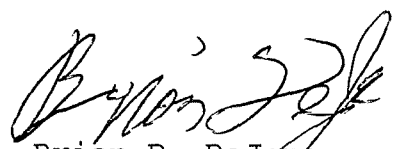
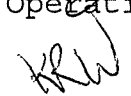
Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

06/23/2003
Job No: 03.05064
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The following samples were received by TestAmerica for analysis:

1411-0074-304-01 Amery Landfill

Sample Number	Sample Description	Date Taken	Date Received
527349	00069021 G-3	06/05/2003	06/10/2003
527350	00069025 H-1	06/05/2003	06/10/2003
527351	00069101 Fouks	06/05/2003	06/10/2003
527352	00069102 Jackson	06/05/2003	06/10/2003
527353	00069103 Ryan	06/05/2003	06/10/2003
527354	00069025 H-1 Duplicate	06/05/2003	06/10/2003


Brian D. DeJong
Organic Operations Manager


ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

06/23/2003
Job No: 03.05064
Sample No: 527351
Account No: 13800
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JOB DESCRIPTION: 1411-0074-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069101 Fouks
Amery, WI
Rec'd on ice

Date/Time Taken: 06/05/2003 11:50

Date Received: 06/10/2003

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run Batch
						Analyzed	Analyst	
Odor	No		n/a	n/a		06/05/2003	krw	3159
Color	No		n/a	n/a		06/05/2003	krw	3153
Turbidity	No		n/a	n/a		06/05/2003	krw	3077
Alkalinity, total (CaCO3)	130	mg/L	10	33	EPA 310.2	06/18/2003	gaf	1142
Chloride	9.0	mg/L	1.0	3.3	EPA 325.2	06/19/2003	gaf	2073
COD, Total	9.5	mg/L	5.7	20	EPA 410.4	06/19/2003	tds	2177
Hardness, Total	160	mg/L	4.0	12	EPA 130.2	06/17/2003	aah	948
Solids, Total Dissolved	210	mg/L	1.0	3.3	EPA 160.1	06/12/2003	kee	1131
Turbidity	<1.0	NTU	n/a	n/a	EPA 180.1	06/20/2003	mmm	564
Iron, AA	0.27	mg/L	0.042	0.14	EPA 236.1	06/19/2003	gaf	2101
Manganese, AA	0.024	mg/L	0.0018	0.0063	EPA 243.1	06/19/2003	gaf	1354
VOC - AQUEOUS - EPA 8260B								
Benzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Bromochloromethane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Carbon Tetrachloride	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Chloroethane	<1.0	ug/L	1.0	3.3	SW 8260B	06/17/2003	mae	5039
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Chloromethane	0.41	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
2-Chlorotoluene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,2-Dibromo-3-Chloropropane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Dichlorodifluoromethane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,1-Dichloroethane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,2-Dichloroethane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,1-Dichloroethene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

06/23/2003
Job No: 03.05064
Sample No: 527351
Account No: 13800
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JOB DESCRIPTION: 1411-0074-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069101 Foucs
Amery, WI
Rec'd on ice

Date/Time Taken: 06/05/2003 11:50

Date Received: 06/10/2003

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,2-Dichloropropane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
2,2-Dichloropropane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,1-Dichloropropane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Di-isopropyl ether	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Ethylbenzene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Hexachlorobutadiene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Methylene Chloride	<1.0	ug/L	1.0	3.3	SW 8260B	06/17/2003	mae	5039
Methyl-t-butyl ether	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
n-Propylbenzene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Tetrachloroethene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Toluene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Trichlorofluoromethane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,2,4-Trimethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,3,5-Trimethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Vinyl Chloride	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Xylenes, Total	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Surr: Dibromofluoromethane	98	%		88-112	SW 8260B	06/17/2003	mae	5039
Surr: Toluene-d8	101	%		89-112	SW 8260B	06/17/2003	mae	5039
Surr: Bromofluorobenzene	98	%		90-114	SW 8260B	06/17/2003	mae	5039
pH, Field	8.1	units	n/a	n/a	EPA 150.1	06/05/2003	krw	3520
Field Conductivity @ 25 C	270	umhos/cm	n/a	n/a		06/05/2003	krw	3023

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

06/23/2003
Job No: 03.05064
Sample No: 527352
Account No: 13800
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JOB DESCRIPTION: 1411-0074-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069102 Jackson
Amery, WI
Rec'd on ice

Date/Time Taken: 06/05/2003 11:40

Date Received: 06/10/2003

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run Batch
						Analyzed	Analyst	
Odor	No		n/a	n/a		06/05/2003	krw	3159
Color	No		n/a	n/a		06/05/2003	krw	3153
Turbidity	No		n/a	n/a		06/05/2003	krw	3077
Alkalinity, total (CaCO3)	150	mg/L	10	33	EPA 310.2	06/18/2003	gaf	1142
Chloride	D <5.0	mg/L	1.0	3.3	EPA 325.2	06/19/2003	gaf	2073
COD, Total	<5.7	mg/L	5.7	20	EPA 410.4	06/19/2003	tds	2177
Hardness, Total	150	mg/L	4.0	12	EPA 130.2	06/17/2003	aah	948
Solids, Total Dissolved	180	mg/L	1.0	3.3	EPA 160.1	06/12/2003	kee	1131
Turbidity	<1.0	NTU	n/a	n/a	EPA 180.1	06/20/2003	mmm	564
Iron, AA	<0.042	mg/L	0.042	0.14	EPA 236.1	06/19/2003	gaf	2101
Manganese, AA	0.021	mg/L	0.0018	0.0063	EPA 243.1	06/19/2003	gaf	1354
VOC - AQUEOUS - EPA 8260B								
Benzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Bromochloromethane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Carbon Tetrachloride	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Chloroethane	<1.0	ug/L	1.0	3.3	SW 8260B	06/17/2003	mae	5039
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
2-Chlorotoluene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,2-Dibromo-3-Chloropropane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Dichlorodifluoromethane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,1-Dichloroethane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,2-Dichloroethane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,1-Dichloroethene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

06/23/2003
Job No: 03.05064
Sample No: 527352
Account No: 13800
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JOB DESCRIPTION: 1411-0074-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069102 Jackson
Amery, WI
Rec'd on ice

Date/Time Taken: 06/05/2003 11:40

Date Received: 06/10/2003

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,2-Dichloropropane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
2,2-Dichloropropane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,1-Dichloropropene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Di-isopropyl ether	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Ethylbenzene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Hexachlorobutadiene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Methylene Chloride	<1.0	ug/L	1.0	3.3	SW 8260B	06/17/2003	mae	5039
Methyl-t-butyl ether	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
n-Propylbenzene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Tetrachloroethene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Toluene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Trichlorofluoromethane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,2,4-Trimethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,3,5-Trimethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Vinyl Chloride	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Xylenes, Total	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Surr: Dibromofluoromethane	97	%		88-112	SW 8260B	06/17/2003	mae	5039
Surr: Toluene-d8	95	%		89-112	SW 8260B	06/17/2003	mae	5039
Surr: Bromofluorobenzene	98	%		90-114	SW 8260B	06/17/2003	mae	5039
pH, Field	8.3	units	n/a	n/a	EPA 150.1	06/05/2003	krw	3520
Field Conductivity @ 25 C	287	umhos/cm	n/a	n/a		06/05/2003	krw	3023

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

06/23/2003
Job No: 03.05064
Sample No: 527353
Account No: 13800
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JOB DESCRIPTION: 1411-0074-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069103 Ryan
Amery, WI
Rec'd on ice

Date/Time Taken: 06/05/2003 12:00

Date Received: 06/10/2003

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	
Odor	No		n/a	n/a		06/05/2003	krw	3159
Color	No		n/a	n/a		06/05/2003	krw	3153
Turbidity	No		n/a	n/a		06/05/2003	krw	3077
Alkalinity, total (CaCO3)	D <50	mg/L	10	33	EPA 310.2	06/18/2003	gaf	1142
Chloride	D <5.0	mg/L	1.0	3.3	EPA 325.2	06/19/2003	gaf	2073
COD, Total	9.5	mg/L	5.7	20	EPA 410.4	06/19/2003	tds	2177
Hardness, Total	70	mg/L	4.0	12	EPA 130.2	06/17/2003	aah	948
Solids, Total Dissolved	110	mg/L	1.0	3.3	EPA 160.1	06/12/2003	kee	1131
Turbidity	<1.0	NTU	n/a	n/a	EPA 180.1	06/20/2003	mmm	564
Iron, AA	<0.042	mg/L	0.042	0.14	EPA 236.1	06/19/2003	gaf	2101
Manganese, AA	<0.0018	mg/L	0.0018	0.0063	EPA 243.1	06/19/2003	gaf	1354
VOC - AQUEOUS - EPA 8260B								
Benzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Bromochloromethane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Carbon Tetrachloride	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Chloroethane	<1.0	ug/L	1.0	3.3	SW 8260B	06/17/2003	mae	5039
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
2-Chlorotoluene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,2-Dibromo-3-Chloropropane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Dichlorodifluoromethane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,1-Dichloroethane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,2-Dichloroethane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,1-Dichloroethene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

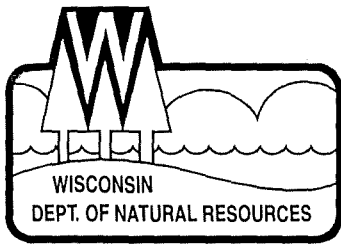
06/23/2003
Job No: 03.05064
Sample No: 527353
Account No: 13800
Page 53 of 61

JOB DESCRIPTION: 1411-0074-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069103 Ryan
Amery, WI
Rec'd on ice

Date/Time Taken: 06/05/2003 12:00

Date Received: 06/10/2003

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
cis-1,2-Dichloroethene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
trans-1,2-Dichloroethene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,2-Dichloropropane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
2,2-Dichloropropane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,1-Dichloropropene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Di-isopropyl ether	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Ethylbenzene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Hexachlorobutadiene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Methylene Chloride	<1.0	ug/L	1.0	3.3	SW 8260B	06/17/2003	mae	5039
Methyl-t-butyl ether	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
n-Propylbenzene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Tetrachloroethene	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Toluene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Trichlorofluoromethane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,2,3-Trichloropropane	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
1,2,4-Trimethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
1,3,5-Trimethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	06/17/2003	mae	5039
Vinyl Chloride	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Xylenes, Total	<0.50	ug/L	0.50	1.7	SW 8260B	06/17/2003	mae	5039
Surr: Dibromofluoromethane	101	%		88-112	SW 8260B	06/17/2003	mae	5039
Surr: Toluene-d8	101	%		89-112	SW 8260B	06/17/2003	mae	5039
Surr: Bromofluorobenzene	98	%		90-114	SW 8260B	06/17/2003	mae	5039
pH, Field	7.6	units	n/a	n/a	EPA 150.1	06/05/2003	krw	3520
Field Conductivity @ 25 C	142	umhos/cm	n/a	n/a		06/05/2003	krw	3023



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
William H. Smith, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhineland, Wisconsin 54501-3349
Telephone 715-365-8900
FAX 715-365-8932
TTY 715-365-8957

January 9, 2003

Mayor Harvey Stower,
City of Amery,
118 Center Street,
Amery, WI 54001

SUBJECT: Landfill Gas Migration at the City of Amery Landfill (#00069)

Dear Mayor Stower:

A review of landfill gas monitoring at the closed Amery Landfill (license # 00069) has shown a continuing problem with methane gas migration outside the limits of fill. Both gas probes GP-1 and GP-2, which are located outside the waste mass, have had methane exceedences above the lower explosive limit (LEL). This has been an ongoing problem that was initially investigated in August and September of 2000. At the time your consultant proposed that "*the source was believed to be residual methane that had migrated into the surrounding soils prior to relocating the waste and completing the cap in 1999*". Since then, 12 additional rounds of gas monitoring have taken place and all sampling results at GP-1 and GP-2 have shown exceedences above the LEL.

Section NR 507.22 (4), Wis. Adm. Code requires the owner or operator of the landfill to take all necessary steps to protect public health and welfare if a stabilized reading exceeds the lower explosive limit of any explosive gas generated by the waste mass outside of the limits of filling.

Although additional gas monitoring at temporary locations north and south of Lincoln Street (south of GP-2) seems to indicate a limited potential for explosive gases to migrate toward residences on the south side of Lincoln Street, there is no certainty of this. Potential gas migration pathways are very hard to determine in the type of soils (interbedded series of sands and silty sands) that surround the landfill. Gas migration can occur between unique sampling locations or follow paths of least resistance in the vertical soil column and go undetected.

In order to obtain a better understand of the potential impact associated with the migration of the landfill gas the Department is requesting that the City of Amery initiate the following:

- Within 14 day of the date of this letter, submit to the Department a plan to investigate the extent and degree of the gas migration in the areas of both GP-1 and GP-2.
- Within 90 days submit a plan to the Department for a proposed remediation plan to prevent further gas migration.

I'm sure you realize the potential health and safety threat this could possible become, and want to take the appropriate actions. Please contact me at (715) 365-8965 if you have questions concerning this letter.

Sincerely,

A handwritten signature in black ink that reads "William Schultz". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

William Schultz, Engineer
NOR Remediation and Redevelopment Program

cc: Scott McCurdy – Cedar Corp., 604 Wilson Ave., Menomonie, WI 54751
John Robinson – NOR Rhinelander
John Sager – NOR Antigo

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DNR SPOONER

715-235-9081
800-472-7372
Fax • 715-235-2727
www.cedarcorp.com

'02 FEB 14 AM 11 26

February 12, 2002

Ms. Julie Riemenschneider
City of Amery
118 Center Street
Amery, WI 54001

RE: Amery Landfill Ground Water Monitoring, December 2001

Dear Julie:

The Amery Landfill analytical data for the December 2001 sampling period has been reviewed and the necessary documents have been forwarded to the DNR on your behalf. I have enclosed your copies of the ground water monitoring certification form, analytical results, and the DNR required memorandum explaining all analytical results that exceed Preventive Action Limits.

If you have any questions or concerns, please contact Scott McCurdy or me at your convenience.

Yours truly,

CEDAR CORPORATION



Mark Iverson
Environmental Specialist

MI/br

Enclosure

cc: WDNR - Bureau of Solid Waste, P.O. Box 7921, Madison, WI 53707
WDNR - Jamie Dunn, 810 West Maple Street, Spooner, WI 54801

MEMORANDUM

TO: Wisconsin DNR Bureau of Solid Waste

FROM: Mark Iverson, Cedar Corporation

DATE: February 12, 2002

SUBJECT: Amery Landfill Preventative Action Limit (PAL) Exceedances

The semi-annual ground water sampling and analysis for the Amery Landfill, December 4, 2001, has been completed. Wisconsin Administrative Code NR 140 Preventative Action Limits (PAL) have been exceeded for benzene, chloride, dichloromethane, 1,1,1-trichloroethane, 1,1,2-trichloroethane, iron, manganese, 1,2-dichloroethane, cis-1,2-dichloroethane, trichloroethene, tetrachloroethylene, and vinyl chloride. One or a combination of these substances has been detected at or over the PAL in A-1, A-2, A-3, B-1, B-2, C-1, C-2, D-1, D-2, E-1, E-2, F-1, F-2, F-3, G-1, G-2, G-3, H-1, MW-1, MW-2R, MW-2AR, MW-3. The concentrations of analytes detected are consistent with data acquired during past sampling events. At this time, the contaminant concentration trends appear to be stable. See attached tables for VOC and indicator parameter detects.

The Jackson, Ryan, and Fouks drinking water wells each had methylene chloride detected during the VOC analysis. The concentrations detected are above the PAL, however, they are not above the ES. Methylene chloride is a common lab contaminant.

MI/br

ENVIRONMENTAL MONITORING DATA CERTIFICATION

Note: Two data certification pages and two copies of any exceedance notification and explanation must be prepared for *each* license number included in the electronic submittal. One copy of each must be mailed to WDNR Central Office with the submittal and the second copies must be mailed to the WDNR Regional Office in which the facility is located.

Check here to indicate that a copy of this page (and a copy of the exceedance notification letter, if any) was mailed to the WDNR Regional Office.

The enclosed electronic submittal contains data for the following facility or facilities:

<u>License No.</u>	<u>Facility ID. No. (FID)</u>	<u>Facility Name</u>	<u>Sample Results for Month(s) of:</u>
00069	649009240	Amery Landfill	December, 2001

Type of data submitted (check as applicable):

- Groundwater monitoring data
 Non-groundwater monitoring data (gas, leachate, air)

Check one of the following:

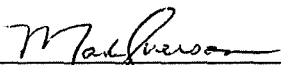
- An exceedance notification and explanation *is attached*.
 An exceedance notification *is not attached* because there are no exceedances to report.

To the best of my knowledge, the information reported and the statements made on this data submittal and enclosures are true and correct. *Furthermore, per ss. NR 140.24(1)(a), NR 140.26(1)(a), NR 635.18(20) and NR 507.30, Wis. Adm. Codes, I have attached notification of enforcement standard, preventative action limit, or alternative concentration limit exceedances, if any, which includes a list of the wells at which the exceedances occurred and a preliminary analysis of the cause and significance of the concentration.*

Mark Iverson
Name (please print)

Environmental Specialist
Title

February 12, 2002
Date


Signature

715-235-9081
Phone Number

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/27/2001
Job No: 01.09954
Sample No: 462427
Account No: 13800
Page 50 of 59

JOB DESCRIPTION: 14411-64-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069101 Fouks Amery LF
Amery, WI
Rec'd on ice

Date/Time Taken: 12/04/2001 14:30

Date Received: 12/06/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
Odor	No		n/a	n/a		12/04/2001	pam	2396
Color	No		n/a	n/a		12/04/2001	pam	2390
Turbidity	No		n/a	n/a		12/04/2001	pam	2314
VOC - AQUEOUS - EPA 8260B								
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2001	mae	3260
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2001	mae	3260
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/27/2001
 Job No: 01.09954
 Sample No: 462427
 Account No: 13800
 Page 51 of 59

JOB DESCRIPTION: 14411-64-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069101 Fouks Amery LF
 Amery, WI
 Rec'd on ice

Date/Time Taken: 12/04/2001 14:30

Date Received: 12/06/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Methylene Chloride	L 2.7	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2001	mae	3260
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2001	mae	3260
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2001	mae	3260
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Surr: Dibromofluoromethane	103.0	%		86-119	SW 8260B	12/17/2001	mae	3260
Surr: Toluene-d8	95.2	%		88-110	SW 8260B	12/17/2001	mae	3260
Surr: Bromofluorobenzene	98.2	%		91-110	SW 8260B	12/17/2001	mae	3260

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/27/2001
 Job No: 01.09954
 Sample No: 462428
 Account No: 13800
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JOB DESCRIPTION: 14411-64-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069102 Jackson Amery LF
 Amery, WI
 Rec'd on ice

Date/Time Taken: 12/04/2001 14:35

Date Received: 12/06/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
Odor	No		n/a	n/a		12/04/2001	pam	2396
Color	No		n/a	n/a		12/04/2001	pam	2390
Turbidity	No		n/a	n/a		12/04/2001	pam	2314
VOC - AQUEOUS - EPA 8260B								
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2001	mae	3260
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2001	mae	3260
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/27/2001
 Job No: 01.09954
 Sample No: 462428
 Account No: 13800
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JOB DESCRIPTION: 14411-64-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069102 Jackson Amery LF
 Amery, WI
 Rec'd on ice

Date/Time Taken: 12/04/2001 14:35

Date Received: 12/06/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Methylene Chloride	L 2.4	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2001	mae	3260
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2001	mae	3260
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2001	mae	3260
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Surr: Dibromofluoromethane	102.6	%		86-119	SW 8260B	12/17/2001	mae	3260
Surr: Toluene-d8	95.2	%		88-110	SW 8260B	12/17/2001	mae	3260
Surr: Bromofluorobenzene	98.4	%		91-110	SW 8260B	12/17/2001	mae	3260

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/27/2001
 Job No: 01.09954
 Sample No: 462429
 Account No: 13800
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JOB DESCRIPTION: 14411-64-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069103 Ryan Amery LF
 Amery, WI
 Rec'd on ice

Date/Time Taken: 12/04/2001 14:25

Date Received: 12/06/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Analyst	Batch	
Odor	No		n/a	n/a		12/04/2001	pam	2396	
Color	No		n/a	n/a		12/04/2001	pam	2390	
Turbidity	No		n/a	n/a		12/04/2001	pam	2314	
VOC - AQUEOUS - EPA 8260B									
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2001	mae	3260	
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2001	mae	3260	
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260	

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/27/2001
 Job No: 01.09954
 Sample No: 462429
 Account No: 13800
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JOB DESCRIPTION: 14411-64-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069103 Ryan Amery LF
 Amery, WI
 Rec'd on ice

Date/Time Taken: 12/04/2001 14:25

Date Received: 12/06/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Methylene Chloride	L 2.2	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2001	mae	3260
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2001	mae	3260
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2001	mae	3260
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2001	mae	3260
Surr: Dibromofluoromethane	102.0	%		86-119	SW 8260B	12/17/2001	mae	3260
Surr: Toluene-d8	95.8	%		88-110	SW 8260B	12/17/2001	mae	3260
Surr: Bromofluorobenzene	99.6	%		91-110	SW 8260B	12/17/2001	mae	3260

	SAMPLE DATE	NR 140 Exceedences		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	A-3	B-1	B-2	C-1	C-2	D-1	D-2	E-1	E-2	F-1	F-2	F-3	G-1	G-2	H-1	PRODEN	GOULD	FOULKES		
		PAL	ES																											
XYLENES (ug / L) Enforcement Standard - 10,000 Preventive Action Limit - 1000	06/04/97																													
	06/15/99																													
	12/13/99			1.4				0.87	3.7																					
VINYL CHLORIDE (ug / L) Enforcement Standard - 0.2 Preventive Action Limit - 0.02	04/06/93	X	X		90	9.3							3.6																	
	06/01/93	X	X		56	5.7							6.1																	
	10/05/93	X	X		43	4.8							4																	
	12/15/93	X	X		38	5.7							4																	
	03/15/94	X	X		24	3.4							2.8																	
	06/16/94	X	X		21	3.4							8.4																	
	09/12/94	X	X		46	4.6							4.9																	
	03/12/95	X	X		34	2.1							4.9																	
	06/29/95	X	X		30	3.5							2.6																	
	06/04/97	X	X		38	2.7							2.1																	
	06/10/98	X	X		46	3.2							4.4																	
	06/15/99	X	X		7.6	2.6							5.3																	
	09/21/99	X	X										4.2																	
	12/13/99	X	X				0.77	150					8.1													0.59				
	03/13/00	X	X					180					7.7																	
	06/27/00	X	X					160					5.8																	
	09/18/00	X	X				2.6	160					7.4																	
12/06/00	X	X					140					8.4																		
06/27/01	X	X				1.4	120					5.4																		
12/04/01	X	X					150					6																		

Values of 0.1 and 0.01 indicate that the laboratory reported <MDL for this compound on that monitoring event.
Methylene Chloride was the only compound detected in MW-1; MW-3, B-1, D-1, D-2, E-1, E-2, F-1, G-1, G-2 and G-3.
*Sample results for MW-2 & MW-2A were collected on May 24, 1999 prior to their abandonment.

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January 2, 2002

'02 JAN 3 AM 11 22

Ms. Julie Riemenschneider
City of Amery
118 Center Street
Amery, WI 54001

RE: Amery Landfill, Soil Vent Monitoring
Methane Lower Explosive Limit (LEL) Exceedance
Ch. NR 507.22 Wisconsin Administrative Code
02-49-095950 - Amery C/LF

Dear Ms. Riemenschneider:

The quarterly June 2001 through December 2001 soil vent monitoring has been completed at the Amery Landfill. The results indicate that the LEL of Methane, 5.5% total volume, has been exceeded in the three gas extraction vents (V-1, V-2, and V-3) and in two of the four soil gas monitoring points (GP-1 and GP-2). The following comments pertain to these exceedances.

V-1, V-2, V-3:

Three gas extraction vents, V-1, V-2, and V-3, are located within the landfill. Methane concentrations at these three sample points have exceeded the LEL of methane during the June, September, and December 2001 sampling events. Total percent methane concentrations have ranged from 38.2% to 58.7% during the sampling event. No trends have been identified to these points.

GP-1:

Gas point #1 is located northeast of the landfill. During the three sampling events methane concentrations in GP-1 have ranged from 27.1% to 40.1%, exceeding the LEL of 5.5% total volume methane. No trends have been identified to this point.

GP-2:

Gas point #2 is located south of the landfill. During the three sampling events methane concentrations in GP-2 have ranged from 20.6% to 23.6%, exceeding the LEL of 5.5% total volume methane. No trends have been identified to this point.

Results of the gas extraction vent and soil vent monitoring are shown on Table 1. The data diskette has been forwarded to the Bureau of Solid Waste in Madison. Please do not hesitate to contact me or Scott McCurdy at 1-800-472-7372 should you have any questions regarding this project.

Sincerely,

CEDAR CORPORATION



Mark Iverson
Environmental Specialist

MI/br

cc: **WDNR**, Jamie Dunn, 810 West Maple St., Spooner, WI 54801
WDNR, Bureau of Solid Waste, P.O. Box 7921, Madison, WI 53707

ENVIRONMENTAL MONITORING DATA CERTIFICATION

Note: Two data certification pages and two copies of any exceedance notification and explanation must be prepared for *each* license number included in the electronic submittal. One copy of each must be mailed to WDNR Central Office with the submittal and the second copies must be mailed to the WDNR Regional Office in which the facility is located.

Check here to indicate that a copy of this page (and a copy of the exceedance notification letter, if any) was mailed to the WDNR Regional Office.

The enclosed electronic submittal contains data for the following facility or facilities:

<u>License No.</u>	<u>Facility ID. No. (FID)</u>	<u>Facility Name</u>	<u>Sample Results for Month(s) of:</u>
00069	649009240	Amery Landfill	June, 2001
00069	649009240	Amery Landfill	Septemeber, 2001
00069	649009240	Amery Landfill	December, 2001

Type of data submitted (check as applicable):

- Groundwater monitoring data
 Non-groundwater monitoring data (gas, leachate, air)

Check one of the following:

- An exceedance notification and explanation *is attached*.
 An exceedance notification *is not attached* because there are no exceedances to report.

To the best of my knowledge, the information reported and the statements made on this data submittal and enclosures are true and correct. *Furthermore, per ss. NR 140.24(1)(a), NR 140.26(1)(a), NR 635.18(20) and NR 507.30, Wis. Adm. Codes, I have attached notification of enforcement standard, preventative action limit, or alternative concentration limit exceedances, if any, which includes a list of the wells at which the exceedances occurred and a preliminary analysis of the cause and significance of the concentration.*

Mark Iverson

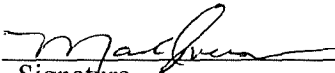
Name (please print)

Environmental Specialist

Title

January 2, 2002

Date



Signature

715-235-9081

Phone Number

TABLE 1
AMERY LANDFILL - SOIL VENT DATA
AMERY, WISCONSIN

Vent Point	Date	% Methane - Final	% Oxygen - Final	% CO2 - Final	Hg - Millimeters	% LEL - Final	Pressure - Inch of water	Pump Time (sec)	Sample time
GP-1	12/15/99	33.30	0.80	31.40	726.00	666.00		400.00	
GP-1	3/23/00	8.40	0.10	24.30	739.00	168.00	0.00	600.00	1130
GP-1	6/27/00	30.80	0.00	29.30		616.00	-0.01	400.00	1605
GP-1	9/7/00	29.50	0.00	34.90	761.00	590.00	0.00	230.00	1526
GP-1	12/20/00	37.90	0.00	33.10	759.00	758.00	0.05	50.00	1308
GP-1	1/16/01	28.10	0.00	31.00	768.00	562.00	0.00	50.00	1627
GP-1	2/23/01	20.50	0.00	27.90	771.00	410.00	0.00	45.00	1400
GP-1	3/27/01	21.80	0.00	26.50	769.00	436.00	0.00		1637
GP-1	4/19/01	29.50	0.10	27.90	758.00	590.00	0.00		1649
GP-1	5/21/01	25.80	0.00	25.70	748.00	516.00	0.02		1718
GP-1	6/27/01	27.10	0.00	27.00	767.00	540.00	0.03		1501
GP-1	9/19/01	40.10	0.00	35.40	760.00	802.00	0.00		1646
GP-1	12/28/01	38.20	0.00	35.10	755.00	764.00	0.00		1214
GP-2	12/15/99	26.50	0.00	24.60	723.00	530.00		600.00	
GP-2	3/23/00	35.40	0.10	28.40	736.00	708.00	0.10	600.00	1225
GP-2	6/27/00	15.70	3.60	16.30		314.00	0.05	600.00	1525
GP-2	9/7/00	25.00	0.00	25.00	761.00	500.00	0.00	200.00	1345
GP-2	12/20/00	30.00	0.00	25.40	759.00	600.00	0.10	50.00	1226
GP-2	1/16/01	29.10	0.00	26.00	768.00	582.00	0.00	50.00	1540
GP-2	2/23/01	30.10	0.00	25.50	771.00	602.00	0.03	45.00	1335
GP-2	3/27/01	29.80	0.00	24.70	769.00	596.00	0.00		1607
GP-2	4/19/01	27.00	0.00	24.20	758.00	540.00	0.30		1620
GP-2	5/21/01	21.70	0.00	23.80	748.00	434.00	0.03		1656
GP-2	6/27/01	20.60	0.00	23.90	767.00	412.00	0.11		1440
GP-2	9/19/01	23.60	0.00	25.90	760.00	472.00	0.00		1621
GP-2	12/28/01	22.90	0.00	25.90	755.00	458.00	0.00		1153
GP-3	12/15/99	0.00	9.20	10.00	726.00	0.00		400.00	
GP-3	3/23/00	0.20	13.40	6.20	739.00	0.00	0.01	600.00	1210
GP-3	6/27/00	0.00	4.40	12.40		0.00	0.00	400.00	1535
GP-3	9/7/00	0.00	6.60	13.00	761.00	0.00	-0.01	220.00	1505
GP-3	12/20/00	0.00	13.20	6.70	759.00	0.00	0.00	50.00	1238
GP-3	1/16/01	0.00	12.70	6.20	768.00	0.00	0.00	50.00	1551
GP-3	2/23/01	0.00	14.70	5.50	771.00	0.00	0.00	45.00	1345
GP-3	3/27/01	0.00	11.50	6.80	769.00	0.00	0.00		1615
GP-3	4/19/01	0.00	9.00	8.20	758.00	0.00	-0.03		1626
GP-3	5/21/01	0.00	4.80	11.10	748.00	0.00	0.00		1701
GP-3	6/27/01	0.00	4.30	12.00	767.00	0.00	-0.02		1447
GP-3	9/19/01	0.00	6.00	14.10	760.00	0.00	0.00		1630
GP-3	12/28/01	0.00	11.50	8.50	755.00	0.00	0.00		1159

Vent Point	Date	% Methane - Final	% Oxygen - Final	% CO2 - Final	Hg - Millimeters	% LEL - Final	Pressure - Inch of water	Pump Time (sec)	Sample time
GP-4	12/15/99	0.00	16.00	5.40	726.00	0.00		600.00	
GP-4	3/23/00	0.00	18.20	3.70	739.00	0.00	0.01	600.00	1150
GP-4	6/27/00	0.00	16.50	3.80		0.00	0.00	400.00	1550
GP-4	9/7/00	0.00	16.80	4.10	761.00	0.00	-0.01	330.00	1516
GP-4	12/20/00	0.00	17.40	3.30	759.00	0.00	-0.01	50.00	1248
GP-4	1/16/01	0.00	16.80	2.90	768.00	0.00	0.00	50.00	1602
GP-4	2/23/01	0.00	19.10	2.40	771.00	0.00	0.00	45.00	1354
GP-4	3/27/01	0.00	19.20	2.30	769.00	0.00	0.00		1623
GP-4	4/19/01	0.00	19.30	2.20	758.00	0.00	-0.01		1637
GP-4	5/21/01	0.00	18.70	2.50	748.00	0.00	0.00		1707
GP-4	6/27/01	0.00	16.90	3.00	767.00	0.00	-0.01		1453
GP-4	9/19/01	0.00	17.30	3.70	760.00	0.00	-0.01		1637
GP-4	12/28/01	0.00	17.80	3.00	755.00	0.00	0.00		1205
GP-5	12/20/00	0.20	4.40	12.60	759.00	4.00	0.06	50.00	1212
GP-5	1/16/01	0.00	9.70	8.50	768.00	0.00	0.00	50.00	1527
GP-5	2/23/01	0.00	16.10	3.70	771.00	0.00	0.00	210.00	1310
GP-5	3/27/01	0.00	10.30	9.20	769.00	0.00	0.00		1555
GP-5	4/19/01	0.00	9.90	9.30	758.00	0.00	0.00		1608
GP-5	5/21/01	0.00	10.70	8.60	748.00	0.00	0.00		1650
GP-5	6/27/01	0.00	8.70	8.80	767.00	0.00	0.03		1432
GP-5	9/19/01	0.00	11.00	8.30	760.00	0.00	0.00		1612
GP-5	12/28/01	0.00	11.20	7.90	755.00	0.00	0.00		1144
MW-1	9/7/00	0.00	17.60	1.80	761.00	0.00		240.00	1225
V-1	12/15/99	43.20	7.00	26.20	723.00	864.00		200.00	
V-1	3/23/00	63.30	0.00	41.70	736.00	1,000.00	-0.01	200.00	1240
V-1	6/27/00	60.50	0.00	38.60		1,000.00		100.00	1610
V-1	9/7/00	58.00	0.00	41.40	761.00	1,000.00		80.00	1530
V-1	12/20/00	63.40	0.60	38.20	759.00	1,000.00		50.00	1318
V-1	1/16/01	62.40	0.00	37.50	768.00	1,000.00		50.00	1632
V-1	2/23/01	8.30	17.80	5.00	771.00	166.00		45.00	1411
V-1	3/27/01	49.70	5.60	30.00	769.00	994.00			1642
V-1	4/19/01	30.60	10.60	18.30	758.00	612.00			1652
V-1	5/21/01	48.20	2.00	34.10	748.00	964.00			1724
V-1	6/27/01	51.20	0.00	38.80	767.00	1,024.00			1503
V-1	9/19/01	58.70	0.00	40.40	760.00	1,174.00			1651
V-1	12/28/01	56.10	0.40	42.30	755.00	1,122.00			1219
V-2	12/15/99	47.70	5.20	27.20	723.00	954.00		100.00	
V-2	3/23/00	63.80	0.10	39.00	736.00	1,000.00	-0.02	200.00	1300
V-2	6/27/00	59.70	0.20	37.40		1,000.00		150.00	1617
V-2	9/7/00	57.60	0.00	41.10	761.00	1,000.00		90.00	1534
V-2	12/20/00	63.60	0.30	36.30	759.00	1,000.00		50.00	1300
V-2	1/16/01	30.00	10.00	14.30	768.00	600.00		50.00	1617
V-2	2/23/01	17.60	13.90	9.60	771.00	352.00		45.00	1416

Vent Point	Date	% Methane - Final	% Oxygen - Final	% CO2 - Final	Hg - Millimeters	% LEL - Final	Pressure - Inch of water	Pump Time (sec)	Sample time
V-2	3/27/01	60.20	2.60	30.60	769.00	1,204.00			1646
V-2	4/19/01	15.00	16.20	6.00	758.00	300.00			1656
V-2	5/21/01	4.90	3.30	31.00	748.00	918.00			1727
V-2	6/27/01	52.00	0.00	38.60	767.00	1,040.00			1506
V-2	9/19/01	57.50	0.00	40.60	760.00	1,150.00			1655
V-2	12/28/01	42.50	5.00	30.80	755.00	850.00			1222
V-3	12/15/99	51.30	0.00	34.20	723.00	1,000.00		200.00	
V-3	3/23/00	41.20	0.00	28.80	736.00	824.00	0.00	200.00	1320
V-3	6/27/00	47.50	0.00	28.60		950.00		150.00	1625
V-3	9/7/00	51.90	0.00	32.70	761.00	1,000.00		70.00	1538
V-3	12/20/00	44.10	0.20	30.90	759.00	882.00		50.00	1255
V-3	1/16/01	0.00	19.80	0.00	768.00	0.00		50.00	1611
V-3	2/23/01	0.00	21.10	0.00	771.00	0.00		45.00	1420
V-3	3/27/01	34.00	0.40	24.80	769.00	680.00			1651
V-3	4/19/01	0.00	21.30	0.00	758.00	0.00			1702
V-3	5/21/01	37.40	0.00	27.10	748.00	748.00			1730
V-3	6/27/01	38.80	0.00	27.70	767.00	776.00			1509
V-3	9/19/01	51.70	0.00	31.40	760.00	1,034.00			1659
V-3	12/28/01	38.20	0.10	30.80	755.00	764.00			1224



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'02 MAR 25 AM 11 24

March 22, 2002

Ms. Julie Riemenschneider
City of Amery
118 Center Street
Amery, WI 54001

RE: Amery Landfill, Soil Vent Monitoring
Methane Lower Explosive Limit (LEL) Exceedance
Ch. NR 507.22 Wisconsin Administrative Code

Dear Ms. Riemenschneider:

The quarterly March 2002 soil vent monitoring has been completed at the Amery Landfill. The results indicate that the LEL of Methane, 5.5% total volume, has been exceeded in the three gas extraction vents (V-1, V-2, and V-3) and in two of the five soil gas monitoring points (GP-1 and GP-2). The following comments pertain to these exceedances.

V-1, V-2, V-3:

Three passive gas extraction vents, V-1, V-2, and V-3, are located within the landfill. Methane concentrations at these three points have exceeded the LEL of methane during the March 2002 sampling event. Total percent methane concentrations have ranged from 14.7% to 34.8% during the sampling event. No trends have been identified to this points.

GP-1:

Gas point #1 is located northeast of the landfill. During the March 2002 sampling event the methane concentration in GP-1 was 27.8%, exceeding the LEL of 5.5% total volume methane. No trends have been identified to this point.

GP-2:

Gas point #2 is located south of the landfill. During the March sampling event the methane concentration in GP-2 was 27.5%, exceeding the LEL of 5.5% total volume methane. No trends have been identified to this point.

The data certification form has been included. Results of the passive gas extraction vent and soil vent monitoring are shown on Table 1. The data diskette has been forwarded to the Bureau of Solid Waste in Madison. Please do not hesitate to contact me or Scott McCurdy at 1-800-472-7372 should you have any questions regarding this project.

Sincerely,
CEDAR CORPORATION

Mark Iverson
Environmental Specialist

MI/mi
enc.

cc: **WDNR, Jamie Dunn**, 810 West Maple St., Spooner, WI 54801
WDNR, Bureau of Solid Waste, P.O. Box 7921, Madison, WI 53707

ENVIRONMENTAL MONITORING DATA CERTIFICATION

Note: Two data certification pages and two copies of any exceedance notification and explanation must be prepared for *each* license number included in the electronic submittal. One copy of each must be mailed to WDNR Central Office with the submittal and the second copies must be mailed to the WDNR Regional Office in which the facility is located.

Check here to indicate that a copy of this page (and a copy of the exceedance notification letter, if any) was mailed to the WDNR Regional Office.

The enclosed electronic submittal contains data for the following facility or facilities:

<u>License No.</u>	<u>Facility ID. No. (FID)</u>	<u>Facility Name</u>	<u>Sample Results for Month(s) of:</u>
00069	649009240	Amery Landfill	March, 2002

Type of data submitted (check as applicable):

- Groundwater monitoring data
 Non-groundwater monitoring data (gas, leachate, air)

Check one of the following:


- An exceedance notification and explanation *is attached*.
 An exceedance notification *is not attached* because there are no exceedances to report.

To the best of my knowledge, the information reported and the statements made on this data submittal and enclosures are true and correct. *Furthermore, per ss. NR 140.24(1)(a), NR 140.26(1)(a), NR 635.18(20) and NR 507.30, Wis. Adm. Codes, I have attached notification of enforcement standard, preventative action limit, or alternative concentration limit exceedances, if any, which includes a list of the wells at which the exceedances occurred and a preliminary analysis of the cause and significance of the concentration.*

Mark Iverson
Name (please print)

Environmental Specialist
Title

March 22, 2002
Date


Signature

715-235-9081
Phone Number

**TABLE 1
AMERY LANDFILL - SOIL VENT DATA
AMERY, WISCONSIN**

Vent Point	Date	% Methane - Final	% Oxygen - Final	% CO2 - Final	Hg - Millimeters	% LEL - Final	Pressure - Inch of water	Pump Time (sec)	Sample time
B-1	9/7/00	2.40	0.00	16.80	761.00	46.00		200.00	1200
B-2	9/7/00	6.80	0.00	15.30	761.00	136.00		280.00	1245
B-3	9/7/00	0.00	0.00	15.40	761.00	0.00		220.00	1335
B-4	9/7/00	0.00	9.30	9.60	761.00	0.00		180.00	1415
B-5	9/7/00	1.10	4.90	11.30	761.00	22.00		240.00	1445
GP-1	12/15/99	33.30	0.80	31.40	726.00	666.00		400.00	
GP-1	3/23/00	8.40	0.10	24.30	739.00	168.00	0.00	600.00	1130
GP-1	6/27/00	30.80	0.00	29.30		616.00	-0.01	400.00	1605
GP-1	9/7/00	29.50	0.00	34.90	761.00	590.00	0.00	230.00	1526
GP-1	12/20/00	37.90	0.00	33.10	759.00	758.00	0.05	50.00	1308
GP-1	1/16/01	28.10	0.00	31.00	768.00	562.00	0.00	50.00	1627
GP-1	2/23/01	20.50	0.00	27.90	771.00	410.00	0.00	45.00	1400
GP-1	3/27/01	21.80	0.00	26.50	769.00	436.00	0.00		1637
GP-1	4/19/01	29.50	0.10	27.90	758.00	590.00	0.00		1649
GP-1	5/21/01	25.80	0.00	25.70	748.00	516.00	0.02		1718
GP-1	6/27/01	27.10	0.00	27.00	767.00	540.00	0.03		1501
GP-1	9/19/01	40.10	0.00	35.40	760.00	802.00	0.00		1646
GP-1	12/28/01	38.20	0.00	35.10	755.00	764.00	0.00		1214
GP-1	3/21/02	27.80	0.00	28.80	776.00	556.00	0.00		1602
GP-2	12/15/99	26.50	0.00	24.60	723.00	530.00		600.00	
GP-2	3/23/00	35.40	0.10	28.40	736.00	708.00	0.10	600.00	1225
GP-2	6/27/00	15.70	3.60	16.30		314.00	0.05	600.00	1525
GP-2	9/7/00	25.00	0.00	25.00	761.00	500.00	0.00	200.00	1345
GP-2	12/20/00	30.00	0.00	25.40	759.00	600.00	0.10	50.00	1226
GP-2	1/16/01	29.10	0.00	26.00	768.00	582.00	0.00	50.00	1540
GP-2	2/23/01	30.10	0.00	25.50	771.00	602.00	0.03	45.00	1335
GP-2	3/27/01	29.80	0.00	24.70	769.00	596.00	0.00		1607
GP-2	4/19/01	27.00	0.00	24.20	758.00	540.00	0.30		1620
GP-2	5/21/01	21.70	0.00	23.80	748.00	434.00	0.03		1656
GP-2	6/27/01	20.60	0.00	23.90	767.00	412.00	0.11		1440
GP-2	9/19/01	23.60	0.00	25.90	760.00	472.00	0.00		1621
GP-2	12/28/01	22.90	0.00	25.90	755.00	458.00	0.00		1153
GP-2	3/21/02	27.50	0.00	23.90	776.00	550.00	0.15		1538
GP-3	12/15/99	0.00	9.20	10.00	726.00	0.00		400.00	
GP-3	3/23/00	0.20	13.40	6.20	739.00	0.00	0.01	600.00	1210

Vent Point	Date	% Methane - Final	% Oxygen - Final	% CO2 - Final	Hg - Millimeters	% LEL - Final	Pressure - Inch of water	Pump Time (sec)	Sample time
GP-3	6/27/00	0.00	4.40	12.40		0.00	0.00	400.00	1535
GP-3	9/7/00	0.00	6.60	13.00	761.00	0.00	-0.01	220.00	1505
GP-3	12/20/00	0.00	13.20	6.70	759.00	0.00	0.00	50.00	1238
GP-3	1/16/01	0.00	12.70	6.20	768.00	0.00	0.00	50.00	1551
GP-3	2/23/01	0.00	14.70	5.50	771.00	0.00	0.00	45.00	1345
GP-3	3/27/01	0.00	11.50	6.80	769.00	0.00	0.00		1615
GP-3	4/19/01	0.00	9.00	8.20	758.00	0.00	-0.03		1626
GP-3	5/21/01	0.00	4.80	11.10	748.00	0.00	0.00		1701
GP-3	6/27/01	0.00	4.30	12.00	767.00	0.00	-0.02		1447
GP-3	9/19/01	0.00	6.00	14.10	760.00	0.00	0.00		1630
GP-3	12/28/01	0.00	11.50	8.50	755.00	0.00	0.00		1159
GP-3	3/21/02	0.00	7.20	9.40	776.00	0.00	0.00		1546
GP-4	12/15/99	0.00	16.00	5.40	726.00	0.00		600.00	
GP-4	3/23/00	0.00	18.20	3.70	739.00	0.00	0.01	600.00	1150
GP-4	6/27/00	0.00	16.50	3.80		0.00	0.00	400.00	1550
GP-4	9/7/00	0.00	16.80	4.10	761.00	0.00	-0.01	330.00	1516
GP-4	12/20/00	0.00	17.40	3.30	759.00	0.00	-0.01	50.00	1248
GP-4	1/16/01	0.00	16.80	2.90	768.00	0.00	0.00	50.00	1602
GP-4	2/23/01	0.00	19.10	2.40	771.00	0.00	0.00	45.00	1354
GP-4	3/27/01	0.00	19.20	2.30	769.00	0.00	0.00		1623
GP-4	4/19/01	0.00	19.30	2.20	758.00	0.00	-0.01		1637
GP-4	5/21/01	0.00	18.70	2.50	748.00	0.00	0.00		1707
GP-4	6/27/01	0.00	16.90	3.00	767.00	0.00	-0.01		1453
GP-4	9/19/01	0.00	17.30	3.70	760.00	0.00	-0.01		1637
GP-4	12/28/01	0.00	17.80	3.00	755.00	0.00	0.00		1205
GP-4	3/21/02	0.00	18.40	2.50	776.00	0.00	0.00		1553
GP-5	12/20/00	0.20	4.40	12.60	759.00	4.00	0.06	50.00	1212
GP-5	1/16/01	0.00	9.70	8.50	768.00	0.00	0.00	50.00	1527
GP-5	2/23/01	0.00	16.10	3.70	771.00	0.00	0.00	210.00	1310
GP-5	3/27/01	0.00	10.30	9.20	769.00	0.00	0.00		1555
GP-5	4/19/01	0.00	9.90	9.30	758.00	0.00	0.00		1608
GP-5	5/21/01	0.00	10.70	8.60	748.00	0.00	0.00		1650
GP-5	6/27/01	0.00	8.70	8.80	767.00	0.00	0.03		1432
GP-5	9/19/01	0.00	11.00	8.30	760.00	0.00	0.00		1612
GP-5	12/28/01	0.00	11.20	7.90	755.00	0.00	0.00		1144
GP-5	3/21/02	0.00	10.40	7.50	776.00	0.00	0.10		1528
MW-1	9/7/00	0.00	17.60	1.80	761.00	0.00		240.00	1225
V-1	12/15/99	43.20	7.00	26.20	723.00	864.00		200.00	
V-1	3/23/00	63.30	0.00	41.70	736.00	1,000.00	-0.01	200.00	1240
V-1	6/27/00	60.50	0.00	38.60		1,000.00		100.00	1610
V-1	9/7/00	58.00	0.00	41.40	761.00	1,000.00		80.00	1530
V-1	12/20/00	63.40	0.60	38.20	759.00	1,000.00		50.00	1318
V-1	1/16/01	62.40	0.00	37.50	768.00	1,000.00		50.00	1632

Vent Point	Date	% Methane - Final	% Oxygen - Final	% CO2 - Final	Hg - Millimeters	% LEL - Final	Pressure - Inch of water	Pump Time (sec)	Sample time
V-1	2/23/01	8.30	17.80	5.00	771.00	166.00		45.00	1411
V-1	3/27/01	49.70	5.60	30.00	769.00	994.00			1642
V-1	4/19/01	30.60	10.60	18.30	758.00	612.00			1652
V-1	5/21/01	48.20	2.00	34.10	748.00	964.00			1724
V-1	6/27/01	51.20	0.00	38.80	767.00	1,024.00			1503
V-1	9/19/01	58.70	0.00	40.40	760.00	1,174.00			1651
V-1	12/28/01	56.10	0.40	42.30	755.00	1,122.00			1219
V-1	3/21/02	34.80	0.00	29.80	776.00	696.00			1608
V-2	12/15/99	47.70	5.20	27.20	723.00	954.00	-0.02	100.00	
V-2	3/23/00	63.80	0.10	39.00	736.00	1,000.00		200.00	1300
V-2	6/27/00	59.70	0.20	37.40		1,000.00		150.00	1617
V-2	9/7/00	57.60	0.00	41.10	761.00	1,000.00		90.00	1534
V-2	12/20/00	63.60	0.30	36.30	759.00	1,000.00		50.00	1300
V-2	1/16/01	30.00	10.00	14.30	768.00	600.00		50.00	1617
V-2	2/23/01	17.60	13.90	9.60	771.00	352.00		45.00	1416
V-2	3/27/01	60.20	2.60	30.60	769.00	1,204.00			1646
V-2	4/19/01	15.00	16.20	6.00	758.00	300.00			1656
V-2	5/21/01	4.90	3.30	31.00	748.00	918.00			1727
V-2	6/27/01	52.00	0.00	38.60	767.00	1,040.00			1506
V-2	9/19/01	57.50	0.00	40.60	760.00	1,150.00			1655
V-2	12/28/01	42.50	5.00	30.80	755.00	850.00			1222
V-2	3/21/02	34.70	2.00	27.30	776.00	694.00			1612
V-3	12/15/99	51.30	0.00	34.20	723.00	1,000.00	0.00	200.00	
V-3	3/23/00	41.20	0.00	28.80	736.00	824.00		200.00	1320
V-3	6/27/00	47.50	0.00	28.60		950.00		150.00	1625
V-3	9/7/00	51.90	0.00	32.70	761.00	1,000.00		70.00	1538
V-3	12/20/00	44.10	0.20	30.90	759.00	882.00		50.00	1255
V-3	1/16/01	0.00	19.80	0.00	768.00	0.00		50.00	1611
V-3	2/23/01	0.00	21.10	0.00	771.00	0.00		45.00	1420
V-3	3/27/01	34.00	0.40	24.80	769.00	680.00			1651
V-3	4/19/01	0.00	21.30	0.00	758.00	0.00			1702
V-3	5/21/01	37.40	0.00	27.10	748.00	748.00			1730
V-3	6/27/01	38.80	0.00	27.70	767.00	776.00			1509
V-3	9/19/01	51.70	0.00	31.40	760.00	1,034.00			1659
V-3	12/28/01	38.20	0.10	30.80	755.00	764.00			1224
V-3	3/21/02	14.70	0.00	19.40	776.00	294.00			1617



State of Wisconsin | DEPARTMENT OF NATURAL RESOURCES

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DNR SPOONER

Tommy G. Thompson, Governor
George E. Meyer, Secretary

JUN 28 AM 8 13

PO Box 7921
101 South Webster Street
Madison, Wisconsin 53707-7921
TELEPHONE 608-266-2621
FAX 608-267-3579
TDD 608-267-6897
FID #: 649009240
SW/GWM file

Date: 1/26/2000

TO: Environmental monitoring contact (name and affiliation)
MARK IVERSON, CEDAR CORPORATION, 604 WILSON AVENUE, MENOMONIE, WI 54571

SUBJECT: Submittal of environmental monitoring results on diskette
Landfill name: CTY AMERY

License Number: 00069

Sampling date(s): DECEMBER, 1999; DECEMBER, 1994; MARCH, 1995; JUNE, 1995; SEPTEMBER, 1996; DECEMBER, 1996; MARCH, 1997; SEPTEMBER, 1997; DECEMBER, 1998; MARCH, 1998; SEPTEMBER, 1998; DECEMBER, 1998; MARCH, 1999; SEPTEMBER, 1999

We are unable to process your data for one or more of the following reasons:

- The Groundwater Monitoring Data Certification form (enclosed) was not submitted or is incomplete. Please send me an original form for EACH facility on the diskette and send copies of each form to the main DNR office in the region where the landfill is located. Items to check:
 - Sample date. List the range of dates during which samples were collected. For example, you could say "April-June, 1997" or "April 10 thru June 15, 1997" but not "second quarter 1997".
 - Box regarding the exceedance notification.
 - Signature, date, title and phone number.
 - The submittal lacks a notice of any results that exceed groundwater standards and/or a preliminary notice of cause and significance of those values. See ss. NR 140.24(1)(a) and 507.30, Wis. Adm. Code.
 - The data file is improperly formatted.
 - Some information in the data file is missing or incorrect.

<input type="checkbox"/> Laboratory ID number.	<input type="checkbox"/> Sample collection date.
<input checked="" type="checkbox"/> Sample point ID numbers.	<input type="checkbox"/> Parameter numbers.
<input type="checkbox"/> Quality control data.	
<input type="checkbox"/> Other: _____	
 - We didn't receive a written explanation for missing sampling results.
 - Please submit an explanation and/or the results.
- SAMPLING RESULTS MISSING AS NOTED ABOVE

DECEMBER, 1999

If your diskette is enclosed, please correct it according to the May 1996 instructions and ensure that future submittals will be correct. If other information is requested, please prepare it. Return everything within 10 days to me at the above address. Please call me, KATHY THOMPSON, at (608) 266-0867 if you have any questions. Thanks for your cooperation.

\\gear\misc\rtndisk.ltr

- Enclosures:
- your diskette
 - Groundwater Monitoring Data Certification form
 - instructions for data submittal on diskette

cc: BOB GERMER, NOR - CUMBERLAND; TERRY KROEHN - NOR

Quality Natural Resources Management
Through Excellent Customer Service



License Number: 69 Facility Name: AMERY CITY OF LANDFILL

Point ID	Sample Date	Dup #	Report Period	TAD Form Type	Sample ID	Changed By	Changed Date	No Header	Bad License Number	Bad Point ID	Dup Sample	No Results	No Sample Date
22	12/14/1999	1	12/01/1999	ELEC	000377713	THOMPK	01/19/2000			Y			

Parameter Code	Parameter Description	Analysis Method Code	Result Amount	Qualifier Code	Bad Parm	Duplicate Held Parm	Duplicate Result	Conflicting Result
78032	METHYL TERT-BUTYL ETHER (MTBE), WHL WTR SMPL (UG/L)	SW 8260B		2				
78113	ETHYLBENZENE IN WHOLE WATER SAMPLE (UG/L)	SW 8260B		2				
78124	BENZENE IN WATER (UG/L)	SW 8260B		2				
81551	XYLENES IN WHOLE WATER SAMPLE (UG/L)	SW 8260B		2				
81555	BROMOBENZENE IN WHL WTR SAMPLE (UG/L)	SW 8260B		2				
81577	DIISOPROPYL ETHER IN WHOLE WATER SAMPLE (UG/L)	SW 8260B		2				

RECEIVED
DNR SPOONER

'00 OCT 30 AM 9 22

October 26, 2000

Ms. Julie Riemenschneider
City of Amery
118 Center Street
Amery, WI 54001

RE: Amery Landfill Groundwater Monitoring, September 2000

Dear Julie:

The Amery Landfill analytical data for the September 2000 sampling period has been reviewed and the necessary documents have been forwarded to the DNR on your behalf. I have enclosed your copies of the groundwater monitoring certification form, analytical results, and the DNR required memorandum explaining all analytical results that exceed Preventive Action Limits.

If you have any questions or concerns, please contact Scott McCurdy or me at your convenience.

Yours Truly,

CEDAR CORPORATION



Mark Iverson
Environmental Specialist

MI/mi

Enclosure

cc: WDNR - Bureau of Solid Waste, P.O. Box 7921, Madison, WI 53707
WDNR - Jamie Dunn, 810 West Maple Street, Spooner, WI 54801

October 26, 2000

Ms. Julie Riemenschneider
City of Amery
118 Center Street
Amery, WI 54001

RE: Amery Landfill, Soil Vent Monitoring
Methane Lower Explosive Limit (LEL) Exceedance
Ch. NR 507.22 Wisconsin Administrative Code

Dear Ms. Riemenschneider:

September 2000 soil vent monitoring has been completed at the Amery Landfill. The results indicate that the LEL of Methane, 5.5% total volume, has been exceeded in the three gas extraction vents (V-1, V-2, and V-3) and in two of the four soil gas monitoring points (GP-1 and GP-2). The following comments pertain to these exceedances.

V-1, V-2, V-3:

Three gas extraction vents, V-1, V-2, and V-3, are located within the landfill. Methane concentrations at these three sample points have exceeded the LEL of methane during the June 2000 sampling event. Total percent methane concentrations have ranged from 51.9% to 58.0% during the sampling event. No trends have been identified to this point.

GP-1:

Gas point #1 is located northeast of the landfill. Methane concentrations in GP-1 have exceeded the LEL of 5.5% total volume methane during the September 2000 sampling event. No trends have been identified to this point.

GP-2:

Gas point #2 is located south of the landfill. Methane concentrations in GP-2 have exceeded the LEL of 5.5% total volume methane during the September 2000 sampling events. No trends have been identified to this point.

Results of the gas extraction vent and soil vent monitoring are shown on Table 1. The data diskette has been forwarded to the Bureau of Solid Waste in Madison. Please do not hesitate to contact me or Scott McCurdy at 1-800-472-7372 should you have any questions regarding this project.

Sincerely,

CEDAR CORPORATION



Mark Iverson
Environmental Specialist

MI/br

cc: WDNR, Jamie Dunn, 810 West Maple St., Spooner, WI 54801
WDNR, Bureau of Solid Waste, P.O. Box 7921, Madison, WI 53707

MEMORANDUM

TO: Wisconsin DNR Bureau of Solid Waste

FROM: Mark Iverson, Cedar Corporation

DATE: October 26, 2000

SUBJECT: Amery Landfill Preventative Action Limit (PAL) Exceedances

The quarterly ground water sampling and analysis for the Amery Landfill, June 2000, has been completed. Wisconsin Administrative Code NR 140 Preventative Action Limits (PAL) have been exceeded for benzene, chloride, nitrate+nitrite, sulfate, iron, manganese, chloroethane, chloromethane, 1,1 Dichloroethene, cis-1,2-dichloroethene, methylene chloride, tetrachloroethylene, 1,1,1-trichloroethane, 1,1,2-Trichloroethane, trichloroethene, and vinyl chloride. One or a combination of these substances has been detected over the PAL in A-1, A-2, A-3, B-1, B-2, E-2, F-1, F-2, F-3, G-2, G-3, H-1, MW-1, MW-2R, MW-2AR, MW-3. The concentrations of analytes detected are consistent with data acquired during past sampling events. At this time, the contaminant concentration trend appears to be stable. See attached tables for VOC and indicator parameter detects.

Manganese has been detected at 0.10 mg/L in the Jackson private drinking water well above the NR140 ES (0.05 mg/L). The results are similar to those collected during previous sampling events. Manganese has been detected above the PAL, however, this is the first time the Enforcement Standard has been exceeded.

Nitrate+nitrite was detected in the Fouk's well (3.2 mg/L) and the Ryan well (2.1 mg/L) above their established PALs of 2.0 mg/L. Nitrate+nitrite concentrations are consistent with previous results.

No compounds were detected above the NR140 PALs in the Ryan residential well.

MI/br

ATTACHMENT 4
GROUNDWATER MONITORING DATA CERTIFICATION

Note: Two data certification pages and two copies of any exceedance notification and explanation must be prepared for *each* license number included on the diskette. One copy of each must be mailed to the WDNR Central Office with the diskette, the second copies must be mailed to the WDNR Regional Office for the region in which the facility is located.

Check here to indicate that a copy of this page (and a copy of the exceedance notification letter, if any) was mailed to the DNR Regional Office.

The enclosed diskette contains data for the following facility or facilities:

<u>License No.</u>	<u>Facility ID No.</u>	<u>Facility Name</u>	<u>Sample Results for Month(s) of:</u>
00069	649009240	Amery LIF	September 2000

Check one of the following:

- An exceedance notification and explanation *is attached*.
 An exceedance notification *is not attached* because there are no exceedances to report.

To the best of my knowledge, the information reported and the statements made on this diskette and enclosures are true and correct. Furthermore, per ss. NR 140.24(1)(a) and 507.30, Wis. Adm. Code, I have attached notification of enforcement standard, preventive action limit, or alternative concentration limit exceedances, if any, which includes a list of the wells at which the exceedances occurred and a preliminary analysis of the cause and significance of the concentration.

Mark Jensen
Signature

October 26, 2000
Date

Environmental Specialist
Title

	SAMPLE DATE	NR 140 Exceedences		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	A-3	B-1	B-2	C-1	C-2	D-1	D-2	E-1	E-2	F-1	F-2	F-3	G-1	G-2	H-1	PRODE	GOULD	FOULKS	
		PAL	ES																										
ETHYLBENZENE (ug / L) Enforcement Standard - 700 Preventive Action Limit - 140	06/15/99 12/13/99								0.41	0.98																			
HEXACHLOROBUTADIENE (ug / L)	06/10/98									1																			
ISOPROPYLBENZENE (ug / L)	12/13/99								0.58																				
METHYLENE CHLORIDE (ug / L) Enforcement Standard - 5.0 Preventive Action Limit - 0.5	06/10/98 12/13/99 03/13/00 09/18/00	X X X X			1.3 2.3			0.65 2 12		0.63			2.3 0.29 0.41		2.2		0.95			0.25	0.7 1.5	0.96	0.6	0.86				0.3	
METHYL-TERT BUTYL ETHER (ug / L) Enforcement Standard - 60 Preventive Action Limit - 12	06/10/98 12/13/99 03/13/00				1.1				0.84				0.3																
NAPHTHALENE (ug / L) Enforcement Standard - 40 Preventive Action Limit - 8	06/10/98 12/13/99 03/13/00								0.75 0.28	0.73																			
TETRACHLOROETHENE (ug / L) Enforcement Standard - 5 Preventive Action Limit - 0.5	04/06/93 06/01/93 10/05/93 12/15/93 03/15/94 06/16/94 09/12/94 09/12/95 06/29/96 06/04/97 06/10/98 06/15/99 09/21/99 12/13/99 03/13/00 06/27/00 09/18/00	X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X		30 56 65 40 29 75 72 84 54 62 70 101	2.3 0.1 0.1 0.1 0.1 0.1 2.2 1.1 1.9 1.2 1.3 0.58			18 17 8.5 20	120 110 120 110			16 22 22 20 18 26 19 19 15 11 13 11								0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.5 0.73 0.58 0.64	2.3 2.3 1.8 1.5 1.1 3 2.1 2.2 1.2 1 0.96 0.73 1.3 1.4				2.8 0.1 2.4 2.2 2.9 3.2 2.5	3.2 3.9 4.0 2.9 0.1 3.4 3.2		0.32 0.28 0.3 0.26

	SAMPLE DATE	NR 140 Exceedences		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	A-3	B-1	B-2	C-1	C-2	D-1	D-2	E-1	E-2	F-1	F-2	F-3	G-1	G-2	H-1	PRODE	GOULD	FOULKS	
		PAL	ES																										
1,1,1 - TRICHLOROETHANE (ug / L) Enforcement Standard - 200 Preventive Action Limit - 40	03/15/94				4.3	0.1							0.1								0.1	0.1				0.1	0.1		
	06/16/94	X			50	0.1							0.1								0.1	0.1				0.1	0.1		
	09/12/94				18	0.1							0.1								0.1	0.1				0.1	0.1		
	09/12/95				4.6	0.1							2.1								0.1	0.1							
	06/29/96				3.3	0.1							0.1								0.1	0.1							
	06/04/97				5.2	0.3							0.5								0.1	0.1							
	06/10/98				26																0.76								
	06/15/99				7.7																								
	12/13/99	X					2	49																					
	03/13/00	X					2.5	51					0.58								0.81								
	06/27/00	X					0.88	52					0.63								0.68								
	09/18/00	X					2.7	48					0.68								0.68								
1,1,2 - TRICHLOROETHANE (ug / L) Enforcement Standard - 5 Preventive Action Limit - 0.5	12/13/99	X						4.1																					
	03/13/00	X						4.5																					
	06/27/00	X						4.7																					
	09/18/00	X						4.3																					
TRICHLOROFLUOROMETHANE (ug / L)	06/04/97																											0.14	
TOLUENE (ug / L) Enforcement Standard - 1000 Preventive Action Limit - 200	06/04/97				0.1	0.2											3.1				0.2	0.2	0.1	1.1					
TRICHLOROETHENE (ug / L) Enforcement Standard - 5 Preventive Action Limit - 0.5	04/06/93	X	X		18	7.4							8.6								0.01	1.6				2.9	3.5		
	06/01/93	X	X		27	3.3							12								1.6	1.5				0.1	4.5		
	10/05/93	X	X		22	3.3							12								1.6	0.01				1.9	3.9		
	12/15/93	X	X		16	2.6							10								1.1	0.01				1.8	3.1		
	03/15/94	X	X		13	2.1							9								0.01	0.01				1.8	2.9		
	06/16/94	X	X		45	3.7							16								2.2	1.7				2.7	3.7		
	09/12/94	X	X		31	8.9							12								2.3	1.3				1.7	3.6		
	09/12/95	X	X		37	6.2							11								1.9	1.3							
	06/29/96	X	X		27	5.9							8.7								1.4	1.3							
	06/04/97	X	X		28	5.3							8.6								1.4	0.6							
	06/10/98	X	X		37	6.5							9.8								1.9	0.49							
	06/15/99	X	X		58	3.4							1.7								1.7								
	09/21/99	X	X										7.8								1.5	0.65							
	12/13/99	X	X					9	110				9								0.66	0.68			1	0.88	0.98		
03/13/00	X	X					6.4	97				8.2								1.8	0.75			0.8					
06/27/00	X	X					3.3	120				7.3								2	0.61			0.88					
09/18/00	X	X					11	110				8.4								2.1	0.71			0.98					
1,2,4-Trimethylbenzene	09/21/99								0.18										0.5	0.44				0.45					
XYLENES (ug / L) Enforcement Standard - 10,000 Preventive Action Limit - 1000	06/04/97																												
	06/15/99			1.4				0.87	3.7												1.4		0.52	1.3					
	12/13/99																						0.99	0.43					

SAMPLE	NR 140 Exceedences		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	A-3	B-1	B-2	C-1	C-2	D-1	D-2	E-1	E-2	F-1	F-2	F-3	G-1	G-2	H-1	PRODE	GOULD	FOULKS	
	DATE	PAL																										ES
VINYL CHLORIDE (ug / L) Enforcement Standard - 0.2 Preventive Action Limit - 0.02	04/06/93	X	X		90	9.3						3.6								3.7	0.01				1.5	1.5		
	06/01/93	X	X		56	5.7						6.1									2.8	0.01				X	2.4	
	10/05/93	X	X		43	4.8						4									2.1	0.01				0.01	1.2	
	12/15/93	X	X		38	5.7						4									1.6	0.01				0.01	0.01	
	03/15/94	X	X		24	3.4						2.8									0.01	0.01				0.01	X	
	06/16/94	X	X		21	3.4						8.4									1.2	0.01				0.01	0.01	
	09/12/94	X	X		46	4.6						4.9									0.01	0.01				0.01	0.01	
	09/12/95	X	X		34	2.1						4.9									0.01	0.01				0.01	0.4	
	06/29/96	X	X		30	3.5						2.6									0.01	0.01						
	06/04/97	X	X		38	2.7						2.1																
	06/10/98	X	X		46	3.2						4.4																
	06/15/99	X	X		7.6	2.6						5.3									0.98							
	09/21/99	X	X									4.2																
	12/13/99	X	X				0.77	150				8.1												0.59				
	03/13/00	X	X					180				7.7																
	06/27/00	X	X					160				5.8																
	09/18/00	X	X				2.6	160				7.4													0.91			

Values of 0.1 and 0.01 indicate that the laboratory reported <MDL for this compound on that monitoring event.
Methylene Chloride was the only compound detected in MW-1, A-2, A-3, B-1, C-1, D-1, E-1, F-1, and G-3.
MW-2A were collected on May 24, 1999 prior to their abandonment.

CITY OF AMERY LANDFILL
INDICATOR PARAMETERS
AMERY, WI

MONITORING WELL	DATE	ALKALINITY		CHLORIDE	COD	HARDNESS	NO2+NO3	TDS	SULFATE	IRON	MANGANESE
		ES(mg/l)		250			10		250	0.3	0.05
		PAL(mg/l)		125			2		125	0.15	0.025
A-1	06/04/1997		<50	0.64	<7	33	NA		NA	0.030	NA
	06/10/1998		52	1.1	21	80	0.027		9.7	0.910	2.3
	06/15/1999		<50	<10	7.5	30	0.052		8.9	<0.024	0.25
	09/21/1999		<50	<10	26	40	<0.024	69	7.6	0.380	NA
	12/13/1999		<50	<5.0	9.7	50	<0.024	22	7.6	0.420	0.85
	03/13/2000		<50	<5.0	17	30	<0.024	62	7.8	0.230	1
	06/27/2000		<50	<5.0	23	210	0.047	110	<2.0	1.900	2.3
	09/18/2000		<50	<5.0	13	20	0.024	7.3	2.6	0.780	1
A-2	06/04/1997		126	4.66	4.66	141	NA		NA	0.045	NA
	06/10/1998		110	3.9	<3.9	120	<0.017		9	0.029	0.81
	06/15/1999		120	<10	<7.3	140	<0.017		13	<0.024	0.82
	09/21/1999		120	<10	18	130	<0.024	150	10	<0.024	NA
	12/13/1999		130	<5.0	<7.3	130	<0.024	<1.0	9	<0.024	0.69
	03/13/2000		120	<5.0	13	130	<0.024	160	18	<0.024	0.8
	06/27/2000		110	<5.0	<7.3	140	0.047	150	6.5	<0.024	0.79
	09/18/2000		100	<5.0	<3.8	140	0.024	91	8.6	<0.024	0.79
A-3	06/04/1997		154	2.8	<7	175	NA		NA	0.171	NA
	06/10/1998		150	2.6	<3.9	150	<0.017		9.3	0.230	0.41
	06/15/1999		160	<10	<7.3	160	<0.017		19	0.280	0.42
	09/21/1999		150	<10	<7.3	150	<0.024	170	9.7	0.150	NA
	12/13/1999		<50	<5.0	<7.3	150	<0.024	140	4.9	0.180	0.34
	03/13/2000		130	<5.0	<7.3	130	<0.024	180	20	0.200	0.42
	06/27/2000		100	<5.0	<7.3	170	0.047	170	5.4	0.100	0.42
	09/18/2000		120	<5.0	<3.8	120	0.024	120	7.3	0.220	0.42
B-1	06/04/1997		58	1.18	7	62	NA		NA	<0.030	NA
	06/10/1998		46	1.1	12	56	0.17		7.4	<0.019	0.29
	06/15/1999		66	<10	9.1	60	0.044		8.6	0.380	0.4
	09/21/1999		<50	<10	10	50	<0.024	83	7.2	0.120	NA
	12/13/1999		<50	<5.0	15	70	<0.024	51	8.3	0.031	0.33
	03/13/2000		57	<5.0	20	430	<0.024	72	12	<0.024	0.67
	06/27/2000		<50	<5.0	12	70	0.047	83	2.4	<0.024	0.49
	09/18/2000		<50	<5.0	11	60	0.024	41	5	<0.024	0.22
B-2	06/04/1997		344	20.7	8	415	NA		NA	<0.030	NA
	06/10/1998		380	23	15	400	0.075		87	0.035	0.2
	06/15/1999		340	23	10	410	<0.017		86	0.033	0.21
	09/21/1999		390	28	24	420	<0.024	520	58	<0.024	NA
	12/13/1999		460	30	16	410	<0.024	480	72	<0.024	0.16
	03/13/2000		360	36	21	100	<0.024	540	88	<0.024	0.2
	06/27/2000		340	35	12	460	0.047	610	100	<0.024	0.17
	09/18/2000		330	34	7.8	460	0.024	540	100	<0.024	0.19
C-1	06/04/1997		94	6.98	<7	104	NA		NA	<0.030	NA
	06/10/1998		72	6.9	6	100	1.1		7.9	<0.019	<0.0063
	06/15/1999		86	<10	<7.3	110	1.3		10	<0.024	0.055
	09/21/1999		100	<10	11	90	0.44	140	5.7	<0.024	NA
	12/13/1999		140	<5.0	<7.3	110	0.56	94	4.8	<0.024	<0.0086
	03/13/2000		100	<5.0	14	100	1.6	150	17	<0.024	<0.0086
	06/27/2000		<50	<5.0	7.4	100	2	150	5.9	<0.024	<0.0086
	09/18/2000		<50	<5.0	6.1	100	1.9	120	6.5	<0.024	<0.0086
C-2	06/04/1997		117	1.45	<7	134	NA		NA	<0.030	NA
	06/10/1998		100	1.3	<3.9	120	0.81		7.2	<0.019	<0.0063
	06/15/1999		120	<10	<7.3	120	0.85		4.8	<0.024	<0.0086
	09/21/1999		110	<10	<7.3	120	0.7	150	8.8	<0.024	NA
	12/13/1999		330	<5.0	<7.3	120	0.72	100	4.9	<0.024	<0.0086
	03/13/2000		110	<5.0	10	50	0.78	130	18	<0.024	<0.0086
	06/27/2000		95	<5.0	<7.3	130	0.8	150	5.4	<0.024	<0.0086
	09/18/2000		82	<5.0	<3.8	120	0.8	110	6.7	<0.024	<0.0086
D-1	06/10/1998		25	<1.0	<3.9	24	0.21		4.1	<0.019	<0.0063
	06/15/1999		<50	<10	8.1	50	0.081		4.3	0.024	<0.0086
	09/21/1999		<50	<10	22	20	0.2	47	5.6	0.120	NA
	12/14/1999		<50	<5.0	<7.3	30	0.21	<1.0	5	0.065	<0.0086
	03/13/2000		19	<5.0	15	20	0.48	30	7.7	<0.024	<0.0086
	06/27/2000		<50	<5.0	7.3	10	0.17	37	<2.0	<0.024	<0.0086
	09/18/2000		<50	<5.0	8.4	10	0.48	19	2.4	<0.024	<0.0086
	D-2	06/10/1998		34	1.3	8.6	40	0.74		4.1	<0.019
06/15/1999			<50	<10	<7.3	40	0.56		7.8	<0.024	<0.0086
09/21/1999			<50	<10	<7.3	40	0.4	65	5.9	<0.024	NA
12/14/1999			<50	<5.0	<7.3	30	0.39	1.7	4.9	<0.024	<0.0086
03/13/2000			32	<5.0	13	40	0.440	63	8	<0.024	<0.0086
06/27/2000			<50	<5.0	7.4	30	0.47	62	4.1	<0.024	<0.0086
09/18/2000			<50	<5.0	3.9	30	0.42	54	4.8	<0.024	<0.0086
E-1		06/10/1998		56	1.7	8.6	64	0.084		7.9	<0.019
	06/15/1999		68	<10	<7.3	70	0.074		11	<0.024	<0.0086
	09/21/1999		<50	<10	<7.3	40	0.28	86	7.3	<0.024	NA
	12/14/1999		<50	<5.0	<7.3	40	0.17	63	8.5	<0.024	<0.0086
	03/13/2000		40	<5.0	9.7	40	<0.024	67	8.5	<0.024	<0.0086
	06/27/2000		<50	<5.0	11	60	0.047	89	6.8	<0.024	<0.0086
	09/18/2000		<50	<5.0	<3.8	30	0.38	47	5.5	<0.024	<0.0086
	E-2	06/10/1998		74	1.7	18	96	<0.017		4.1	29
06/15/1999			92	<10	20	90	0.25		11	29	0.52
09/21/1999			97	<10	18	70	0.38	130	7.3	12	NA
12/14/1999			92	<5.0	15	70	<0.024	87	5	20	0.42
03/13/2000			88	<5.0	28	80	<0.024	120	15	26	0.52
06/27/2000			<50	<5.0	18	50	0.047	140	<2.0	24	0.48
09/18/2000			<50	<5.0	13	220	0.21	110	<2.0	26	0.49
F-1		06/04/1997		<50	0.62	<7	49	NA		NA	<0.030
	06/10/1998		41	<1.0	21	64	3.1		6.2	<0.019	<0.0063
	06/15/1999		57	<10	14	60	0.97		9.2	0.024	<0.0086
	09/21/1999		<50	<10	28	60	0.8	85	7.7	<0.024	NA
	12/13/1999		<50	<5.0	11	60	0.87	27	4.9	<0.024	<0.0086
	03/13/2000		43	<5.0	24	40	0.53	59	9.5	0.038	<0.0086
	06/27/2000		<50	<5.0	22	100	1.4	85	3	<0.024	<0.0086
	09/18/2000		<50	<5.0	21	20	2.9	78	6.8	<0.024	<0.0086

MONITORING WELL	DATE	ES(mg/l) PAL(mg/l)	ALKALINITY	CHLORIDE	COD	HARDNESS	NO2+NO3	TDS	SULFATE	IRON	MANGANESE
				250			10		250	0.3	0.05
				125			2		125	0.15	0.025
F-2	06/04/1997		176	5.78	<7	202	NA		NA	1.77	NA
	06/10/1998		170	4.8	<3.9	180	0.05		11	2.0	0.26
	06/15/1999		160	<10	<7.3	190	0.025		14	2.0	0.26
	09/21/1999		170	15	<7.3	160	<0.024	210	11	1.7	NA
	12/13/1999		98	<5.0	<7.3	160	<0.024	160	4.9	0.13	0.23
	03/13/2000		170	<5.0	9.7	170	<0.024	200	23	1.8	0.27
	06/27/2000		140	<5.0	<7.3	180	0.047	240	8.9	1.900	0.26
	09/18/2000		150	<5.0	<3.8	180	0.024	180	11	1.800	0.24
F-3	06/04/1997		169	2.05	<7	193	NA		NA	<0.030	NA
	06/10/1998		160	2.1	<3.9	160	0.4		9.5	0.023	<0.0063
	06/15/1999		160	<10	<7.3	170	0.39		13	<0.024	<0.0086
	09/21/1999		160	<10	<7.3	40	0.21	200	12	0.12	NA
	12/13/1999		180	<5.0	<7.3	170	<0.024	170	8.9	1.60	0.23
	03/13/2000		150	<5.0	9.4	150	0.130	190	18	0.10	0.031
	06/27/2000		120	<5.0	<7.3	180	0.18	230	6.5	0.120	0.0045
	09/18/2000		140	<5.0	<3.8	160	0.15	180	10	0.210	0.059
G-1	06/10/1998		43	<1.0	14	52	1.3		4.1	<0.019	<0.0063
	06/15/1999		54	<1.0	8.1	50	0.74		8.5	<0.024	<0.0086
	09/21/1999		<50	<1.0	12	170	1.4	85	7.3	0.120	NA
	12/14/1999		55	<5.0	28	60	0.74	57	4.8	<0.024	<0.0086
	03/13/2000		55	<5.0	18	30	0.460	59	7	0.037	<0.0086
	06/27/2000		<50	<5.0	14	30	1	95	2.7	<0.024	<0.0086
	09/18/2000		<50	<5.0	16	20	1.2	53	3.2	0.024	<0.0086
	G-2	06/10/1998		54	1	11	68	0.22		6.3	<0.019
06/15/1999			81	<1.0	<7.3	110	0.14		14	1.000	0.29
09/21/1999			59	<1.0	13	80	0.065	110	7.3	0.170	NA
12/14/1999			77	<5.0	11	70	<0.024	78	5.3	<0.024	0.21
03/13/2000			55	<5.0	17	80	<0.024	110	19	0.410	0.27
06/27/2000			<50	<5.0	11	70	0.031	140	<2.0	0.100	0.26
09/18/2000			67	<5.0	6.5	70	0.024	67	2.2	0.096	0.27
G-3		06/10/1998		170	1.8	<3.9	180	<0.017		9.2	<0.019
	06/15/1999		160	<1.0	<7.3	170	<0.017		12	<0.024	0.16
	09/21/1999		170	<1.0	<7.3	190	<0.024	180	22	<0.024	NA
	12/14/1999		170	<5.0	<7.3	160	<0.024	120	4.9	0.065	0.085
	03/13/2000		160	<5.0	9.1	60	0.140	200	24	<0.024	0.13
	06/27/2000		130	<5.0	<7.3	170	0.031	220	4.9	<0.024	0.084
	09/18/2000		150	NA	<3.8	160	0.024	170	NA	<0.024	0.11
	H-1	12/14/1999		170	<5.0	<7.3	160	<0.024	170	9.6	0.770
03/13/2000			160	<5.0	11	160	<0.024	200	25	0.780	0.21
06/27/2000			120	<5.0	<7.3	170	0.031	220	6.3	1.000	0.23
09/18/2000			140	<5.0	<3.8	190	0.024	180	10	1.400	0.22
MW-1	06/12/1997		77	16.3	13	117	NA		NA	<0.030	NA
	06/10/1998		62	15	7.3	108	3.8		15	<0.019	0.94
	06/15/1999		98	13	<7.3	120	4.8		17	<0.024	0.44
	12/13/1999		<50	<5.0	13	110	4.5	160	21	<0.024	0.95
	03/13/2000		82	8.9	16	130	7	210	29	<0.024	1
	06/27/2000		<50	5	20	180	13	280	33	<0.024	1.4
	09/18/2000		77	12	6.8	150	7.7	210	35	0.160	1.3
MW-2	06/12/1997		752	88.4	50	1260	NA		NA	2.090	NA
	06/10/1998		670	100	45	1100	0.87		640	1.700	5.2
MW-2A	06/04/1997		980	188	64	1100	NA		NA	13	NA
	06/10/1998		800	120	51	740	<0.017		44	14	9.9
MW-2R	12/13/1999		260	<5.0	22	270	0.26	360	53	<0.024	0.79
	03/13/2000		240	7.9	40	230	1.8	310	40	0.310	0.55
	06/27/2000		180	<5.0	24	230	2.9	350	18	<0.024	<0.0086
MW-2AR	09/18/2000		210	15	18	310	0.81	370	66	<0.024	0.079
	12/13/1999		850	180	42	920	<0.024	1600	280	<0.024	0.14
	03/13/2000		850	190	44	1000	0.085	1550	260	<0.024	0.097
	06/27/2000		720	220	34	1000	0.031	1600	350	<0.024	0.068
MW-3	09/18/2000		710	180	28	980	0.024	1600	310	<0.024	0.074
	06/12/1997		175	21.1	28	189	NA		NA	1.750	NA
	06/10/1998		79	2.9	<3.9	110	0.056		12	3.0	2.5
	06/15/1999		120	<1.0	7.5	140	0.13		14	6.0	3.5
FOUKS	09/21/1999		94	<1.0	<7.3	90	0.078	150	22	4.9	NA
	12/13/1999		700	97	81	510	<0.024	820	22	25.0	6.6
	03/13/2000		310	25	32	260	0.130	340	55	14.0	2.9
	06/27/2000		120	12	12	170	2.4	240	8.4	2.400	2.7
	09/18/2000		360	23	21	390	0.024	480	9.2	9.900	4.7
	06/04/1997		156	8.17	<7	180	NA		NA	0.089	NA
	06/10/1998		140	6	<3.9	180	3.1		11	0.130	<0.0063
	06/15/1999		150	<1.0	<7.3	160	3.4		12	0.051	<0.0086
RYAN	09/21/1999		150	<1.0	<7.3	160	1.3	200	12	0.350	NA
	12/13/1999		170	<5.0	8.4	150	2.8	150	4.9	0.160	0.012
	03/13/2000		160	6.4	9.4	180	3.6	210	31	0.040	<0.0086
	06/27/2000		110	<5.0	<7.3	150	2.8	210	6.4	0.069	0.012
	09/18/2000		100	6.2	<3.8	150	3.2	190	9.7	0.054	<0.0086
	06/04/1997		63	7.17	<7	82	NA		NA	<0.030	NA
	06/10/1998		63	4	<3.9	84	1.4		8.6	<0.019	<0.0063
	06/15/1999		740	<1.0	<7.3	90	0.91		4.9	<0.024	<0.0086
JACKSON	09/21/1999		78	<1.0	<7.3	80	1.4	130	9.3	<0.024	NA
	12/13/1999		91	7.6	<7.3	90	2	100	4.8	<0.024	<0.0086
	03/13/2000		76	<5.0	9.1	90	1.9	130	14	<0.024	<0.0086
	06/27/2000		<50	<5.0	<7.3	120	1.1	140	6.5	<0.024	<0.0086
	09/18/2000		<50	5	<3.8	90	2.1	120	9.2	<0.024	<0.0086
	06/10/1998		NA	NA	NA	NA	0.27		7.8	0.049	0.011
	06/15/1999		150	<1.0	<7.3	170	0.28		12	0.041	0.031
09/21/1999		170	<1.0	<7.3	160	0.4	200	10	0.081	NA	
12/13/1999		180	<5.0	<7.3	150	0.16	170	8.7	<0.024	0.016	
03/13/2000		180	6.2	9.7	160	0.22	180	24	0.046	0.039	
06/27/2000		120	<5.0	<7.3	160	0.22	200	3.7	<0.024	0.1	
09/18/2000		120	<5.0	<3.8	160	0.26	170	6.2	0.041	0.052	

ES = ENFORCEMENT STANDARD
PAL = PREVENTIVE ACTION LIMIT
NA = NOT ANALYZED

ANALYTICAL AND QUALITY CONTROL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000

Job No: 00.08183

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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
411551	00069005 A-1 1411-0059 Amery LF	09/18/2000	09/20/2000
411552	00069006 A-2 1411-0059 Amery LF	09/18/2000	09/20/2000
411553	00069007 A-3 1411-0059 Amery LF	09/18/2000	09/20/2000
411554	00069008 B-1 1411-0059 Amery LF	09/18/2000	09/20/2000
411555	00069009 B-2 1411-0059 Amery LF	09/18/2000	09/20/2000
411556	00069010 C-1 1411-0059 Amery LF	09/18/2000	09/20/2000
411557	00069011 C-2 1411-0059 Amery LF	09/18/2000	09/20/2000
411558	00069012 D-1 1411-0059 Amery LF	09/18/2000	09/20/2000
411559	00069013 D-2 1411-0059 Amery LF	09/18/2000	09/20/2000
411560	00069014 E-1 1411-0059 Amery LF	09/18/2000	09/20/2000
411561	00069014 E-1 Dup 1411-0059 Amer	09/18/2000	09/20/2000
411562	00069015 E-2 1411-0059 Amery L	09/18/2000	09/20/2000
411563	00069016 F-1 1411-0059 Amery L	09/18/2000	09/20/2000
411564	00069017 F-2 1411-0059 Amery L	09/18/2000	09/20/2000
411565	00069018 F-3 1411-0059 Amery L	09/18/2000	09/20/2000

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 AND QUALITY CONTROL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000

Job No: 00.08183

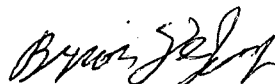
Page 2 of 89

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

Sample Number	Sample Description	Date Taken	Date Received
411566	00069019 G-1 1411-0059 Amery L	09/18/2000	09/20/2000
411567	00069020 G-2 1411-0059 Amery L	09/18/2000	09/20/2000
411568	00069021 G-3 1411-0059 Amery L	09/18/2000	09/20/2000
411569	00069022 H-1 1411-0059 Amery L	09/18/2000	09/20/2000
411570	00069001 MW-1 1411-0059 Amery L	09/18/2000	09/20/2000
411571	00069023 MW-2R 1411-0059 Amery	09/18/2000	09/20/2000
411572	00069024 MW-2AR 1411-0059 Amery	09/18/2000	09/20/2000
411573	00069003 MW-3 1411-0059 Amery L	09/18/2000	09/20/2000
411574	00069103 Ryan 1411-0059 Amery L	09/18/2000	09/20/2000
411575	00069101 Fouks 1411-0059 Amery	09/18/2000	09/20/2000
411576	00069102 Jackson 1411-0059 Amer	09/18/2000	09/20/2000
411577	00069997 Field Blank 1411-0059	09/18/2000	09/20/2000

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. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411551
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069005 A-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 13:20

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,064.09	MSL	n/a	n/a		09/18/2000	1788
Depth to GW	6.68	Feet	n/a	n/a		09/18/2000	1746
Odor	No		n/a	n/a		09/18/2000	1767
Color	No		n/a	n/a		09/18/2000	1763
Turbidity	No		n/a	n/a		09/18/2000	1687
T. Alkalinity, diss. (CaCO ₃)	D <50	mg/L	10	33	EPA 310.2	09/26/2000	814
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	09/27/2000	1485
COD, dissolved	13	mg/L	3.8	14	EPA 410.4	09/27/2000	1598
Total Hardness, dissolved	20	mg/L	4.0	12	EPA 130.2	09/26/2000	691
N-Nitrate + Nitrite, Dissolved	0.024	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1114
Solids, Total Dissolved	7.3	mg/L	1.0	3.3	EPA 160.1	09/22/2000	820
Sulfate, Diss., IC	2.6	mg/L	2.0	6.7	EPA 300.0	10/04/2000	799
Iron, Dissolved	0.78	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1604
Manganese, Dissolved	1.0	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1033
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/26/2000	2113
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/26/2000	2113
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411551
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069005 A-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 13:20

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/26/2000	2113
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/26/2000	2113
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/26/2000	2113
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/26/2000	2113
Surr: Dibromofluoromethane	106.0	%		91-111	SW 8260B	09/26/2000	2113
Surr: Toluene-d8	99.8	%		85-115	SW 8260B	09/26/2000	2113
Surr: Bromofluorobenzene	102.0	%		87-111	SW 8260B	09/26/2000	2113

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411551
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069005 A-1 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 13:20

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.0	units	n/a	n/a	EPA 150.1	09/18/2000	2120
Field Conductivity @ 25 C	80	umhos/cm	n/a	n/a		09/18/2000	1633

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411552
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069006 A-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 13:35

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,064.45	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	6.35	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	100	mg/L	10	33	EPA 310.2	09/26/2000	815
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	09/27/2000	1485
COD, dissolved	<3.8	mg/L	3.8	14	EPA 410.4	09/27/2000	1598
Total Hardness, dissolved	140	mg/L	4.0	12	EPA 130.2	09/26/2000	691
N-Nitrate + Nitrite, Dissolved	0.024	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1114
Solids, Total Dissolved	91	mg/L	1.0	3.3	EPA 160.1	09/22/2000	820
Sulfate, Diss., IC	8.6	mg/L	2.0	6.7	EPA 300.0	10/04/2000	799
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1604
Manganese, Dissolved	0.79	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1033
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411552
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069006 A-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 13:35

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Surr: Dibromofluoromethane	105.8	%		91-111	SW 8260B	09/28/2000	2114
Surr: Toluene-d8	99.6	%		85-115	SW 8260B	09/28/2000	2114
Surr: Bromofluorobenzene	100.2	%		87-111	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411552
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069006 A-2 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 13:35

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.4	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	200	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411553
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069007 A-3 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 13:30 Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,064.43	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	6.31	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	120	mg/L	10	33	EPA 310.2	09/26/2000	815
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1487
COD, dissolved	<3.8	mg/L	3.8	14	EPA 410.4	09/27/2000	1598
Total Hardness, dissolved	120	mg/L	4.0	12	EPA 130.2	09/26/2000	691
N-Nitrate + Nitrite, Dissolved	0.024	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1114
Solids, Total Dissolved	120	mg/L	1.0	3.3	EPA 160.1	09/22/2000	820
Sulfate, Diss., IC	7.3	mg/L	2.0	6.7	EPA 300.0	10/04/2000	799
Iron, Dissolved	0.22	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1604
Manganese, Dissolved	0.42	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1033
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411553
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069007 A-3 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 13:30

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Surr: Dibromofluoromethane	105.0	%		91-111	SW 8260B	09/28/2000	2114
Surr: Toluene-d8	98.6	%		85-115	SW 8260B	09/28/2000	2114
Surr: Bromofluorobenzene	100.0	%		87-111	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411553
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069007 A-3 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 13:30

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.3	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	230	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411554
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069008 B-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 12:15

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,064.26	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	30.49	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	09/26/2000	815
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1487
COD, dissolved	11	mg/L	3.8	14	EPA 410.4	09/27/2000	1598
Total Hardness, dissolved	60	mg/L	4.0	12	EPA 130.2	09/26/2000	691
N-Nitrate + Nitrite, Dissolved	0.024	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	41	mg/L	1.0	3.3	EPA 160.1	09/22/2000	820
Sulfate, Diss., IC	5.0	mg/L	2.0	6.7	EPA 300.0	10/04/2000	799
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1604
Manganese, Dissolved	0.22	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1033
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411554
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069008 B-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 12:15 Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methylene Chloride	L 0.31	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Surr: Dibromofluoromethane	106.6	%		91-111	SW 8260B	09/28/2000	2114
Surr: Toluene-d8	99.0	%		85-115	SW 8260B	09/28/2000	2114
Surr: Bromofluorobenzene	100.8	%		87-111	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411554
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069008 B-1 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 12:15

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
pH, Field	7.4	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	160	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411555
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069009 B-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 12:20

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,064.24	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	30.51	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	330	mg/L	10	33	EPA 310.2	09/26/2000	815
Chloride, dissolved	34	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1487
COD, dissolved	7.8	mg/L	3.8	14	EPA 410.4	09/27/2000	1598
Total Hardness, dissolved	460	mg/L	4.0	12	EPA 130.2	09/26/2000	691
N-Nitrate + Nitrite, Dissolved	0.024	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	540	mg/L	1.0	3.3	EPA 160.1	09/22/2000	820
Sulfate, Diss., IC	100	mg/L	2.0	6.7	EPA 300.0	10/05/2000	799
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1604
Manganese, Dissolved	0.19	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	0.37	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroethane	1.6	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411555
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069009 B-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 12:20

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	1.7	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloroethene	0.31	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,2-Dichloroethene	9.1	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methylene Chloride	L 0.41	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Tetrachloroethene	11	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1-Trichloroethane	0.68	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichloroethene	8.4	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Vinyl Chloride	7.4	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Surr: Dibromofluoromethane	103.6	%		91-111	SW 8260B	09/28/2000	2114
Surr: Toluene-d8	99.4	%		85-115	SW 8260B	09/28/2000	2114
Surr: Bromofluorobenzene	100.2	%		87-111	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411555
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069009 B-2 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 12:20

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
pH, Field	6.8	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	780	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411556
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069010 C-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 14:10

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,064.88	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	29.62	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	09/26/2000	815
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1487
COD, dissolved	6.1	mg/L	3.8	14	EPA 410.4	09/27/2000	1598
Total Hardness, dissolved	100	mg/L	4.0	12	EPA 130.2	09/26/2000	691
N-Nitrate + Nitrite, Dissolved	1.9	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	120	mg/L	1.0	3.3	EPA 160.1	09/22/2000	820
Sulfate, Diss., IC	6.5	mg/L	2.0	6.7	EPA 300.0	10/04/2000	799
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1604
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411556
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069010 C-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 14:10

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Surr: Dibromofluoromethane	104.8	%		91-111	SW 8260B	09/28/2000	2114
Surr: Toluene-d8	99.0	%		85-115	SW 8260B	09/28/2000	2114
Surr: Bromofluorobenzene	100.0	%		87-111	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411556
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069010 C-1 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 14:10

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	8.6	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	150	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411557
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069011 C-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 14:30

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,064.31	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	29.89	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO ₃)	82	mg/L	10	33	EPA 310.2	09/26/2000	815
Chloride, dissolved	<5.0	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1487
COD, dissolved	<3.8	mg/L	3.8	14	EPA 410.4	09/27/2000	1598
Total Hardness, dissolved	120	mg/L	4.0	12	EPA 130.2	09/26/2000	691
N-Nitrate + Nitrite, Dissolved	0.80	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	110	mg/L	1.0	3.3	EPA 160.1	09/22/2000	820
Sulfate, Diss., IC	6.7	mg/L	2.0	6.7	EPA 300.0	10/04/2000	799
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1604
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411557
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069011 C-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 14:30

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Tetrachloroethene	0.56	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Surr: Dibromofluoromethane	104.2	%		91-111	SW 8260B	09/28/2000	2114
Surr: Toluene-d8	97.0	%		85-115	SW 8260B	09/28/2000	2114
Surr: Bromofluorobenzene	99.8	%		87-111	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411557
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069011 C-2 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 14:30

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	8.6	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	220	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411558
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069012 D-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 10:35 Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,063.73	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	8.48	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	Yes		n/a	n/a		09/18/2000	1764
Turbidity	Yes		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	09/26/2000	815
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1487
COD, dissolved	8.4	mg/L	3.8	14	EPA 410.4	09/27/2000	1598
Total Hardness, dissolved	10	mg/L	4.0	12	EPA 130.2	09/26/2000	691
N-Nitrate + Nitrite, Dissolved	0.48	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	19	mg/L	1.0	3.3	EPA 160.1	09/22/2000	820
Sulfate, Diss., IC	2.4	mg/L	2.0	6.7	EPA 300.0	10/04/2000	799
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1604
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411558
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069012 D-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 10:35

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methylene Chloride	L 0.32	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Surr: Dibromofluoromethane	104.8	%		91-111	SW 8260B	09/28/2000	2114
Surr: Toluene-d8	98.6	%		85-115	SW 8260B	09/28/2000	2114
Surr: Bromofluorobenzene	99.2	%		87-111	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411558
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069012 D-1 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 10:35

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.3	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	50	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411559
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069013 D-2 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 10:40

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,063.93	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	8.32	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	09/26/2000	815
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1487
COD, dissolved	3.9	mg/L	3.8	14	EPA 410.4	09/27/2000	1598
Total Hardness, dissolved	30	mg/L	4.0	12	EPA 130.2	09/26/2000	691
N-Nitrate + Nitrite, Dissolved	0.42	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	54	mg/L	1.0	3.3	EPA 160.1	09/22/2000	820
Sulfate, Diss., IC	4.8	mg/L	2.0	6.7	EPA 300.0	10/04/2000	799
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1604
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411559
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069013 D-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 10:40

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Surr: Dibromofluoromethane	104.0	%		91-111	SW 8260B	09/28/2000	2114
Surr: Toluene-d8	99.0	%		85-115	SW 8260B	09/28/2000	2114
Surr: Bromofluorobenzene	100.0	%		87-111	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411559
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069013 D-2 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 10:40

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.5	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	70	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411560
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069014 E-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 14:45 Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,063.75	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	20.22	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	09/26/2000	815
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1487
COD, dissolved	<3.8	mg/L	3.8	14	EPA 410.4	09/27/2000	1598
Total Hardness, dissolved	30	mg/L	4.0	12	EPA 130.2	09/26/2000	691
N-Nitrate + Nitrite, Dissolved	0.38	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	47	mg/L	1.0	3.3	EPA 160.1	09/22/2000	820
Sulfate, Diss., IC	5.5	mg/L	2.0	6.7	EPA 300.0	10/04/2000	799
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1604
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411560
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069014 E-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 14:45

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methylene Chloride	L 0.29	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Surr: Dibromofluoromethane	105.0	%		91-111	SW 8260B	09/28/2000	2114
Surr: Toluene-d8	98.8	%		85-115	SW 8260B	09/28/2000	2114
Surr: Bromofluorobenzene	99.6	%		87-111	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411560
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069014 E-1 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 14:45

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.6	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	80	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411561
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069014 E-1 Dup 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 14:45

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,063.75	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	20.22	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO ₃)	D <50	mg/L	10	33	EPA 310.2	09/26/2000	815
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1487
COD, dissolved	<3.8	mg/L	3.8	14	EPA 410.4	09/27/2000	1598
Total Hardness, dissolved	30	mg/L	4.0	12	EPA 130.2	09/26/2000	691
N-Nitrate + Nitrite, Dissolved	0.36	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	63	mg/L	1.0	3.3	EPA 160.1	09/22/2000	820
Sulfate, Diss., IC	5.7	mg/L	2.0	6.7	EPA 300.0	10/04/2000	799
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1604
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411561
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069014 E-1 Dup 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 14:45

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Surr: Dibromofluoromethane	104.6	%		91-111	SW 8260B	09/28/2000	2114
Surr: Toluene-d8	97.0	%		85-115	SW 8260B	09/28/2000	2114
Surr: Bromofluorobenzene	100.0	%		87-111	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411561
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069014 E-1 Dup 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 14:45

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.6	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	80	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411562
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069015 E-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 14:55

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,063.65	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	20.78	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	09/26/2000	815
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1487
COD, dissolved	13	mg/L	3.8	14	EPA 410.4	09/27/2000	1598
Total Hardness, dissolved	220	mg/L	4.0	12	EPA 130.2	09/26/2000	691
N-Nitrate + Nitrite, Dissolved	0.21	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	110	mg/L	1.0	3.3	EPA 160.1	09/22/2000	820
Sulfate, Diss., IC	<2.0	mg/L	2.0	6.7	EPA 300.0	10/04/2000	800
Iron, Dissolved	26	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1605
Manganese, Dissolved	0.49	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411562
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069015 E-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 14:55

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Surr: Dibromofluoromethane	104.4	%		91-111	SW 8260B	09/28/2000	2114
Surr: Toluene-d8	98.6	%		85-115	SW 8260B	09/28/2000	2114
Surr: Bromofluorobenzene	99.4	%		87-111	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411562
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069015 E-2 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 14:55

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
pH, Field	6.9	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	260	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411563
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069016 F-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 15:15 Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,063.99	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	7.69	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	09/26/2000	815
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1487
COD, dissolved	21	mg/L	3.8	14	EPA 410.4	09/27/2000	1599
Total Hardness, dissolved	20	mg/L	4.0	12	EPA 130.2	09/26/2000	691
N-Nitrate + Nitrite, Dissolved	2.9	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	78	mg/L	1.0	3.3	EPA 160.1	09/22/2000	820
Sulfate, Diss., IC	6.8	mg/L	2.0	6.7	EPA 300.0	10/04/2000	800
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1605
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411563
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069016 F-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 15:15

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Surr: Dibromofluoromethane	104.4	%		91-111	SW 8260B	09/28/2000	2114
Surr: Toluene-d8	98.8	%		85-115	SW 8260B	09/28/2000	2114
Surr: Bromofluorobenzene	98.8	%		87-111	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411563
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069016 F-1 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 15:15

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.1	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	130	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411564
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069017 F-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 15:20

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,063.70	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	8.02	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	150	mg/L	10	33	EPA 310.2	09/26/2000	815
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1487
COD, dissolved	<3.8	mg/L	3.8	14	EPA 410.4	09/27/2000	1599
Total Hardness, dissolved	180	mg/L	4.0	12	EPA 130.2	09/26/2000	691
N-Nitrate + Nitrite, Dissolved	0.024	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	180	mg/L	1.0	3.3	EPA 160.1	09/22/2000	820
Sulfate, Diss., IC	11	mg/L	2.0	6.7	EPA 300.0	10/04/2000	800
Iron, Dissolved	1.8	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1605
Manganese, Dissolved	0.24	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411564
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069017 F-2 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 15:20 Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	0.64	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloroethene	0.78	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,2-Dichloroethene	4.0	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Tetrachloroethene	0.88	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,1-Trichloroethane	0.68	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichloroethene	2.1	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2114
Vinyl Chloride	1.7	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2114
Surr: Dibromofluoromethane	104.8	%		91-111	SW 8260B	09/28/2000	2114
Surr: Toluene-d8	99.4	%		85-115	SW 8260B	09/28/2000	2114
Surr: Bromofluorobenzene	99.4	%		87-111	SW 8260B	09/28/2000	2114

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411564
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069017 F-2 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 15:20

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.6	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	270	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411565
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069018 F-3 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 15:30

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,063.71	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	8.40	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	140	mg/L	10	33	EPA 310.2	09/26/2000	815
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1487
COD, dissolved	<3.8	mg/L	3.8	14	EPA 410.4	09/27/2000	1599
Total Hardness, dissolved	160	mg/L	4.0	12	EPA 130.2	09/26/2000	691
N-Nitrate + Nitrite, Dissolved	0.15	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	180	mg/L	1.0	3.3	EPA 160.1	09/22/2000	820
Sulfate, Diss., IC	10	mg/L	2.0	6.7	EPA 300.0	10/04/2000	800
Iron, Dissolved	0.21	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1605
Manganese, Dissolved	0.059	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411565
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069018 F-3 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 15:30 Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
cis-1,2-Dichloroethene	0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Tetrachloroethene	1.3	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Trichloroethene	0.71	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Surr: Dibromofluoromethane	103.2	%		91-111	SW 8260B	09/28/2000	2116
Surr: Toluene-d8	98.8	%		85-115	SW 8260B	09/28/2000	2116
Surr: Bromofluorobenzene	100.4	%		87-111	SW 8260B	09/28/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411565
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069018 F-3 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 15:30

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.7	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	260	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411566
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069019 G-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 09:50 Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,063.30	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	8.87	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	Yes		n/a	n/a		09/18/2000	1764
Turbidity	Yes		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	09/26/2000	815
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1487
COD, dissolved	16	mg/L	3.8	14	EPA 410.4	09/27/2000	1599
Total Hardness, dissolved	20	mg/L	4.0	12	EPA 130.2	09/26/2000	691
N-Nitrate + Nitrite, Dissolved	1.2	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	53	mg/L	1.0	3.3	EPA 160.1	09/22/2000	820
Sulfate, Diss., IC	3.2	mg/L	2.0	6.7	EPA 300.0	10/04/2000	800
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1605
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411566
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069019 G-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 09:50

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Surr: Dibromofluoromethane	104.8	%		91-111	SW 8260B	09/28/2000	2116
Surr: Toluene-d8	98.8	%		85-115	SW 8260B	09/28/2000	2116
Surr: Bromofluorobenzene	100.2	%		87-111	SW 8260B	09/28/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411566
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069019 G-1 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 09:50

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.2	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	110	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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 Job No: 00.08183
 Sample No: 411567
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069020 G-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 09:55

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,063.36	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	8.68	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	67	mg/L	10	33	EPA 310.2	09/26/2000	815
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1487
COD, dissolved	6.5	mg/L	3.8	14	EPA 410.4	09/27/2000	1599
Total Hardness, dissolved	70	mg/L	4.0	12	EPA 130.2	09/27/2000	692
N-Nitrate + Nitrite, Dissolved	0.024	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	67	mg/L	1.0	3.3	EPA 160.1	09/22/2000	820
Sulfate, Diss., IC	2.2	mg/L	2.0	6.7	EPA 300.0	10/04/2000	800
Iron, Dissolved	0.096	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1605
Manganese, Dissolved	0.27	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411567
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069020 G-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 09:55

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Surr: Dibromofluoromethane	104.0	%		91-111	SW 8260B	09/28/2000	2116
Surr: Toluene-d8	98.2	%		85-115	SW 8260B	09/28/2000	2116
Surr: Bromofluorobenzene	99.0	%		87-111	SW 8260B	09/28/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411567
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069020 G-2 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 09:55

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.5	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	170	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411568
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069021 G-3 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 10:00

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,063.47	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	8.24	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	150	mg/L	10	33	EPA 310.2	09/26/2000	815
COD, dissolved	<3.8	mg/L	3.8	14	EPA 410.4	09/27/2000	1599
Total Hardness, dissolved	160	mg/L	4.0	12	EPA 130.2	09/27/2000	692
N-Nitrate + Nitrite, Dissolved	0.024	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	170	mg/L	1.0	3.3	EPA 160.1	09/22/2000	820
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1605
Manganese, Dissolved	0.11	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411568
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069021 G-3 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 10:00

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Surr: Dibromofluoromethane	104.4	%		91-111	SW 8260B	09/28/2000	2116
Surr: Toluene-d8	98.6	%		85-115	SW 8260B	09/28/2000	2116
Surr: Bromofluorobenzene	99.4	%		87-111	SW 8260B	09/28/2000	2116
pH, Field	8.1	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	310	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
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 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069022 H-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 16:00

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,064.28	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	4.74	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	140	mg/L	10	33	EPA 310.2	09/26/2000	815
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1487
COD, dissolved	<3.8	mg/L	3.8	14	EPA 410.4	09/27/2000	1599
Total Hardness, dissolved	190	mg/L	4.0	12	EPA 130.2	09/27/2000	692
N-Nitrate + Nitrite, Dissolved	0.024	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	180	mg/L	1.0	3.3	EPA 160.1	09/22/2000	821
Sulfate, Diss., IC	10	mg/L	2.0	6.7	EPA 300.0	10/04/2000	800
Iron, Dissolved	1.4	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1605
Manganese, Dissolved	0.22	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411569
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069022 H-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 16:00

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	0.48	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1-Dichloroethene	0.49	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
cis-1,2-Dichloroethene	2.6	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Trichloroethene	0.98	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
Vinyl Chloride	0.91	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Surr: Dibromofluoromethane	104.8	%		91-111	SW 8260B	09/28/2000	2116
Surr: Toluene-d8	98.4	%		85-115	SW 8260B	09/28/2000	2116
Surr: Bromofluorobenzene	98.4	%		87-111	SW 8260B	09/28/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069022 H-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 16:00

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	8.1	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	250	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069001 MW-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 11:00 Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,065.43	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	44.02	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	Yes		n/a	n/a		09/18/2000	1764
Turbidity	Yes		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	77	mg/L	10	33	EPA 310.2	09/26/2000	816
Chloride, dissolved	12	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1487
COD, dissolved	6.8	mg/L	3.8	14	EPA 410.4	09/27/2000	1599
Total Hardness, dissolved	150	mg/L	4.0	12	EPA 130.2	09/27/2000	692
N-Nitrate + Nitrite, Dissolved	7.7	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	210	mg/L	1.0	3.3	EPA 160.1	09/22/2000	821
Sulfate, Diss., IC	35	mg/L	2.0	6.7	EPA 300.0	10/04/2000	800
Iron, Dissolved	0.16	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1605
Manganese, Dissolved	1.3	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Dichlorodifluoromethane	0.45	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411570
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069001 MW-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 11:00

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Tetrachloroethene	0.37	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Surr: Dibromofluoromethane	103.0	%		91-111	SW 8260B	09/28/2000	2116
Surr: Toluene-d8	99.2	%		85-115	SW 8260B	09/28/2000	2116
Surr: Bromofluorobenzene	100.0	%		87-111	SW 8260B	09/28/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411570
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069001 MW-1 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 11:00

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.0	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	330	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411571
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069023 MW-2R 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 11:25

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,064.73	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	26.97	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	Yes		n/a	n/a		09/18/2000	1764
Turbidity	Yes		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	210	mg/L	10	33	EPA 310.2	09/26/2000	816
Chloride, dissolved	15	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1488
COD, dissolved	18	mg/L	3.8	14	EPA 410.4	09/27/2000	1599
Total Hardness, dissolved	310	mg/L	4.0	12	EPA 130.2	09/27/2000	692
N-Nitrate + Nitrite, Dissolved	0.81	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	370	mg/L	1.0	3.3	EPA 160.1	09/22/2000	821
Sulfate, Diss., IC	66	mg/L	2.0	6.7	EPA 300.0	10/04/2000	800
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1605
Manganese, Dissolved	0.079	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloroethane	0.29	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411571
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069023 MW-2R 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 11:25

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	1.7	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
cis-1,2-Dichloroethene	6.0	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Tetrachloroethene	20	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,1-Trichloroethane	2.7	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Trichloroethene	11	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
Vinyl Chloride	2.6	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Surr: Dibromofluoromethane	105.4	%		91-111	SW 8260B	09/28/2000	2116
Surr: Toluene-d8	99.4	%		85-115	SW 8260B	09/28/2000	2116
Surr: Bromofluorobenzene	99.6	%		87-111	SW 8260B	09/28/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
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Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069023 MW-2R 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 11:25

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.8	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	560	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
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 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069024 MW-2AR 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 11:30

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,064.04	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	27.79	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	710	mg/L	10	33	EPA 310.2	09/26/2000	816
Chloride, dissolved	180	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1488
COD, dissolved	28	mg/L	3.8	14	EPA 410.4	09/27/2000	1599
Total Hardness, dissolved	980	mg/L	4.0	12	EPA 130.2	09/27/2000	692
N-Nitrate + Nitrite, Dissolved	0.024	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	1,600	mg/L	1.0	3.3	EPA 160.1	09/22/2000	821
Sulfate, Diss., IC	310	mg/L	2.0	6.7	EPA 300.0	10/05/2000	800
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1605
Manganese, Dissolved	0.074	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	1.0	ug/L	0.10	0.33	SW 8260B	10/02/2000	2121
Bromobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Bromochloromethane	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Bromodichloromethane	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Bromoform	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Bromomethane	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
n-Butylbenzene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
sec-Butylbenzene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
tert-Butylbenzene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Carbon Tetrachloride	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Chlorobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Chlorodibromomethane	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Chloroethane	16	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Chloroform	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Chloromethane	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
2-Chlorotoluene	<0.40	ug/L	0.10	0.33	SW 8260B	10/02/2000	2121
4-Chlorotoluene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
1,2-Dibromo-3-Chloropropane	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
1,2-Dibromoethane (EDB)	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Dibromomethane	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
1,2-Dichlorobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
1,3-Dichlorobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
1,4-Dichlorobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Dichlorodifluoromethane	1.9	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411572
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069024 MW-2AR 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 11:30

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	29	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
1,2-Dichloroethane	2.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
1,1-Dichloroethene	33	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
cis-1,2-Dichloroethene	140	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
trans-1,2-Dichloroethene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
1,2-Dichloropropane	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
1,3-Dichloropropane	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
2,2-Dichloropropane	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
1,1-Dichloropropene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
cis-1,3-Dichloropropene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
trans-1,3-Dichloropropene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Di-isopropyl ether	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Ethylbenzene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Hexachlorobutadiene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Isopropylbenzene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
p-Isopropyltoluene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Methylene Chloride	L 12	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Methyl-t-butyl ether	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Naphthalene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
n-Propylbenzene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Styrene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
1,1,1,2-Tetrachloroethane	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
1,1,2,2-Tetrachloroethane	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Tetrachloroethene	110	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Toluene	<0.40	ug/L	0.10	0.33	SW 8260B	10/02/2000	2121
1,2,3-Trichlorobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
1,2,4-Trichlorobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
1,1,1-Trichloroethane	48	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
1,1,2-Trichloroethane	4.3	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Trichloroethene	110	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Trichlorofluoromethane	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
1,2,3-Trichloropropane	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
1,2,4-Trimethylbenzene	<0.40	ug/L	0.10	0.33	SW 8260B	10/02/2000	2121
1,3,5-Trimethylbenzene	<0.40	ug/L	0.10	0.33	SW 8260B	10/02/2000	2121
Vinyl Chloride	160	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Xylenes, Total	<1.0	ug/L	0.25	0.83	SW 8260B	10/02/2000	2121
Surr: Dibromofluoromethane	101.8	%		91-111	SW 8260B	10/02/2000	2121
Surr: Toluene-d8	98.4	%		85-115	SW 8260B	10/02/2000	2121
Surr: Bromofluorobenzene	97.8	%		87-111	SW 8260B	10/02/2000	2121

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411572
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069024 MW-2AR 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 11:30

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.7	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	1,920	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411573
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069003 MW-3 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 13:50

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1,064.92	MSL	n/a	n/a		09/18/2000	1789
Depth to GW	10.68	Feet	n/a	n/a		09/18/2000	1747
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
T. Alkalinity, diss. (CaCO3)	360	mg/L	10	33	EPA 310.2	09/26/2000	816
Chloride, dissolved	23	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1488
COD, dissolved	21	mg/L	3.8	14	EPA 410.4	09/27/2000	1599
Total Hardness, dissolved	390	mg/L	4.0	12	EPA 130.2	09/27/2000	692
N-Nitrate + Nitrite, Dissolved	0.024	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1115
Solids, Total Dissolved	480	mg/L	1.0	3.3	EPA 160.1	09/22/2000	821
Sulfate, Diss., IC	9.2	mg/L	2.0	6.7	EPA 300.0	10/04/2000	800
Iron, Dissolved	9.9	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1605
Manganese, Dissolved	4.7	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	1.2	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloroethane	2.8	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411573
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069003 MW-3 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 13:50

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	0.51	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
cis-1,2-Dichloroethene	0.51	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/28/2000	2116
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/28/2000	2116
Surr: Dibromofluoromethane	105.2	%		91-111	SW 8260B	09/28/2000	2116
Surr: Toluene-d8	98.6	%		85-115	SW 8260B	09/28/2000	2116
Surr: Bromofluorobenzene	100.0	%		87-111	SW 8260B	09/28/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069003 MW-3 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 13:50

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.6	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	760	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069103 Ryan 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 16:20

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
Alkalinity, total (CaCO3) D	<50	mg/L	10	33	EPA 310.2	09/26/2000	816
Chloride	5.0	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1488
COD, Total	<3.8	mg/L	3.8	14	EPA 410.4	09/27/2000	1599
Hardness, Total	90	mg/L	4.0	12	EPA 130.2	09/27/2000	692
N-Nitrate + Nitrite	2.1	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1116
Solids, Total Dissolved	120	mg/L	1.0	3.3	EPA 160.1	09/22/2000	821
Sulfate, IC	9.2	mg/L	2.0	6.7	EPA 300.0	10/05/2000	800
Turbidity	<1.0	NTU	n/a	n/a	EPA 180.1	09/22/2000	347
Iron, AA	<0.024	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1605
Manganese, AA	<0.0086	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411574
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069103 Ryan 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 16:20 Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Surr: Dibromofluoromethane	105.0	%		91-111	SW 8260B	09/29/2000	2116
Surr: Toluene-d8	98.6	%		85-115	SW 8260B	09/29/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411574
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069103 Ryan 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 16:20

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Surr: Bromofluorobenzene	99.4	%		87-111	SW 8260B	09/29/2000	2116
pH, Field	7.4	units	n/a	n/a	EPA 150.1	09/18/2000	2121
Field Conductivity @ 25 C	190	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411575
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069101 Fouks 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 16:25

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
Alkalinity, total (CaCO3)	100	mg/L	10	33	EPA 310.2	09/26/2000	816
Chloride	6.2	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1488
COD, Total	<3.8	mg/L	3.8	14	EPA 410.4	09/27/2000	1599
Hardness, Total	150	mg/L	4.0	12	EPA 130.2	09/27/2000	692
N-Nitrate + Nitrite	3.2	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1116
Solids, Total Dissolved	190	mg/L	1.0	3.3	EPA 160.1	09/22/2000	821
Sulfate, IC	9.7	mg/L	2.0	6.7	EPA 300.0	10/05/2000	800
Turbidity	<1.0	NTU	n/a	n/a	EPA 180.1	09/22/2000	347
Iron, AA	0.054	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1605
Manganese, AA	<0.0086	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411575
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069101 Fouks 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 16:25

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Surr: Dibromofluoromethane	105.2	%		91-111	SW 8260B	09/29/2000	2116
Surr: Toluene-d8	98.4	%		85-115	SW 8260B	09/29/2000	2116
Surr: Bromofluorobenzene	100.0	%		87-111	SW 8260B	09/29/2000	2116
pH, Field	7.8	units	n/a	n/a	EPA 150.1	09/18/2000	2121

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411575
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069101 Fouks 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 16:25

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Field Conductivity @ 25 C	250	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069102 Jackson 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 16:30 Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Odor	No		n/a	n/a		09/18/2000	1768
Color	No		n/a	n/a		09/18/2000	1764
Turbidity	No		n/a	n/a		09/18/2000	1688
Alkalinity, total (CaCO3)	120	mg/L	10	33	EPA 310.2	09/26/2000	816
Chloride	D <5.0	mg/L	1.0	3.3	EPA 325.2	09/28/2000	1488
COD, Total	<3.8	mg/L	3.8	14	EPA 410.4	09/27/2000	1599
Hardness, Total	160	mg/L	4.0	12	EPA 130.2	09/27/2000	692
N-Nitrate + Nitrite	0.26	mg/L	0.024	0.084	EPA 353.2	09/25/2000	1116
Solids, Total Dissolved	170	mg/L	1.0	3.3	EPA 160.1	09/22/2000	821
Sulfate, IC	6.2	mg/L	2.0	6.7	EPA 300.0	10/05/2000	800
Turbidity	<1.0	NTU	n/a	n/a	EPA 180.1	09/22/2000	347
Iron, AA	0.041	mg/L	0.024	0.085	EPA 236.1	09/28/2000	1605
Manganese, AA	0.052	mg/L	0.0086	0.030	EPA 243.1	09/27/2000	1034
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411576
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069102 Jackson 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 09/18/2000 16:30

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Surr: Dibromofluoromethane	105.2	%		91-111	SW 8260B	09/29/2000	2116
Surr: Toluene-d8	97.6	%		85-115	SW 8260B	09/29/2000	2116
Surr: Bromofluorobenzene	99.6	%		87-111	SW 8260B	09/29/2000	2116
pH, Field	7.8	units	n/a	n/a	EPA 150.1	09/18/2000	2121

ANALYTICAL REPORT

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

10/06/2000
Job No: 00.08183
Sample No: 411576
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069102 Jackson 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 09/18/2000 16:30

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Field Conductivity @ 25 C	230	umhos/cm	n/a	n/a		09/18/2000	1634

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411577
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069997 Field Blank 1411-0059 Amery
 Rec'd on ice

Date/Time Taken: 09/18/2000 15:55 Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Bromodichloromethane	0.55	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chloroform	1.1	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116

ANALYTICAL REPORT

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

10/06/2000
 Job No: 00.08183
 Sample No: 411577
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069997 Field Blank 1411-0059 Amery
 Rec'd on ice

Date/Time Taken: 09/18/2000 15:55

Date Received: 09/20/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	09/29/2000	2116
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	09/29/2000	2116
Surr: Dibromofluoromethane	105.4	%		91-111	SW 8260B	09/29/2000	2116
Surr: Toluene-d8	98.4	%		85-115	SW 8260B	09/29/2000	2116
Surr: Bromofluorobenzene	99.2	%		87-111	SW 8260B	09/29/2000	2116

QUALITY CONTROL REPORT

BLANKS

10/06/2000

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

Job No: 00.08183
 Account No: 13800

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Job Description: 1411-0059-304-01 Amery Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Alkalinity, total (CaCO3)		816	<10	10	33	mg/L
T. Alkalinity, diss. (CaCO3)		814	<10	10	33	mg/L
T. Alkalinity, diss. (CaCO3)		815	<10	10	33	mg/L
Chloride		1488	<1.0	1.0	3.3	mg/L
Chloride, dissolved		1485	<1.0	1.0	3.3	mg/L
Chloride, dissolved		1487	<1.0	1.0	3.3	mg/L
Hardness, Total		692	<4.0	4.0	12	mg/L
Hardness, Total		692	<4.0	4.0	12	mg/L
Total Hardness, dissolved		691	<4.0	4.0	12	mg/L
Total Hardness, dissolved		691	<4.0	4.0	12	mg/L
N-Nitrate + Nitrite		1116	0.024	0.024	0.084	mg/L
N-Nitrate + Nitrite, Dissolved		1114	0.024	0.024	0.084	mg/L
N-Nitrate + Nitrite, Dissolved		1115	0.024	0.024	0.084	mg/L
Sulfate, IC		800	<2.0	2.0	6.7	mg/L
Sulfate, Diss., IC		799	<2.0	2.0	6.7	mg/L
Iron, AA		1605	<0.024	0.024	0.085	mg/L
Iron, Dissolved		1604	<0.024	0.024	0.085	mg/L
Manganese, AA		1034	<0.0086	0.0086	0.030	mg/L
Manganese, Dissolved		1033	<0.0086	0.0086	0.030	mg/L
VOC - AQUEOUS - EPA 8260B						
Benzene		2113	<0.10	0.10	0.33	ug/L
Bromobenzene		2113	<0.25	0.25	0.83	ug/L
Bromochloromethane		2113	<0.25	0.25	0.83	ug/L
Bromodichloromethane		2113	<0.25	0.25	0.83	ug/L
Bromoform		2113	<0.25	0.25	0.83	ug/L
Bromomethane		2113	<0.25	0.25	0.83	ug/L
n-Butylbenzene		2113	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		2113	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		2113	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		2113	<0.25	0.25	0.83	ug/L
Chlorobenzene		2113	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		2113	<0.25	0.25	0.83	ug/L
Chloroethane		2113	<0.25	0.25	0.83	ug/L
Chloroform		2113	<0.25	0.25	0.83	ug/L
Chloromethane		2113	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		2113	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		2113	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

10/06/2000

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

Job No: 00.08183
 Account No: 13800

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Job Description: 1411-0059-304-01 Amery Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
1,2-Dibromo-3-Chloropropane		2113	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		2113	<0.25	0.25	0.83	ug/L
Dibromomethane		2113	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		2113	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		2113	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		2113	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		2113	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		2113	<0.25	0.25	0.83	ug/L
1,2-Dichloroethane		2113	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		2113	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		2113	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		2113	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		2113	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		2113	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		2113	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		2113	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		2113	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		2113	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		2113	<0.25	0.25	0.83	ug/L
Ethylbenzene		2113	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		2113	<0.25	0.25	0.83	ug/L
Isopropylbenzene		2113	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		2113	<0.25	0.25	0.83	ug/L
Methylene Chloride		2113	<0.25	0.25	0.83	ug/L
Methyl-t-butyl ether		2113	<0.25	0.25	0.83	ug/L
Naphthalene		2113	<0.25	0.25	0.83	ug/L
n-Propylbenzene		2113	<0.25	0.25	0.83	ug/L
Styrene		2113	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		2113	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		2113	<0.25	0.25	0.83	ug/L
Tetrachloroethene		2113	<0.25	0.25	0.83	ug/L
Toluene		2113	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		2113	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		2113	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		2113	<0.25	0.25	0.83	ug/L
1,1,2-Trichloroethane		2113	<0.25	0.25	0.83	ug/L
Trichloroethene		2113	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

10/06/2000

Mr. Mark Iverson
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

Job No: 00.08183
Account No: 13800

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Job Description: 1411-0059-304-01 Amery Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Trichlorofluoromethane		2113	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		2113	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		2113	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		2113	<0.10	0.10	0.33	ug/L
Vinyl Chloride		2113	<0.25	0.25	0.83	ug/L
Xylenes, Total		2113	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		2113	108.2		91-111	%
Surr: Toluene-d8		2113	100.2		85-115	%
Surr: Bromofluorobenzene		2113	102.4		87-111	%
VOC - AQUEOUS - EPA 8260B						
Benzene		2114	<0.10	0.10	0.33	ug/L
Bromobenzene		2114	<0.25	0.25	0.83	ug/L
Bromochloromethane		2114	<0.25	0.25	0.83	ug/L
Bromodichloromethane		2114	<0.25	0.25	0.83	ug/L
Bromoform		2114	<0.25	0.25	0.83	ug/L
Bromomethane		2114	<0.25	0.25	0.83	ug/L
n-Butylbenzene		2114	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		2114	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		2114	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		2114	<0.25	0.25	0.83	ug/L
Chlorobenzene		2114	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		2114	<0.25	0.25	0.83	ug/L
Chloroethane		2114	<0.25	0.25	0.83	ug/L
Chloroform		2114	<0.25	0.25	0.83	ug/L
Chloromethane		2114	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		2114	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		2114	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		2114	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		2114	<0.25	0.25	0.83	ug/L
Dibromomethane		2114	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		2114	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		2114	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		2114	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		2114	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		2114	<0.25	0.25	0.83	ug/L
1,2-Dichloroethane		2114	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		2114	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

10/06/2000

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

Job No: 00.08183
 Account No: 13800

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Job Description: 1411-0059-304-01 Amery Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
cis-1,2-Dichloroethene		2114	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		2114	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		2114	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		2114	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		2114	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		2114	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		2114	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		2114	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		2114	<0.25	0.25	0.83	ug/L
Ethylbenzene		2114	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		2114	<0.25	0.25	0.83	ug/L
Isopropylbenzene		2114	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		2114	<0.25	0.25	0.83	ug/L
Methylene Chloride		2114	0.49	0.25	0.83	ug/L
Methyl-t-butyl ether		2114	<0.25	0.25	0.83	ug/L
Naphthalene		2114	<0.25	0.25	0.83	ug/L
n-Propylbenzene		2114	<0.25	0.25	0.83	ug/L
Styrene		2114	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		2114	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		2114	<0.25	0.25	0.83	ug/L
Tetrachloroethene		2114	<0.25	0.25	0.83	ug/L
Toluene		2114	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		2114	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		2114	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		2114	<0.25	0.25	0.83	ug/L
1,1,2-Trichloroethane		2114	<0.25	0.25	0.83	ug/L
Trichloroethene		2114	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		2114	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		2114	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		2114	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		2114	<0.10	0.10	0.33	ug/L
Vinyl Chloride		2114	<0.25	0.25	0.83	ug/L
Xylenes, Total		2114	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		2114	106.0		91-111	%
Surr: Toluene-d8		2114	98.6		85-115	%
Surr: Bromofluorobenzene		2114	100.4		87-111	%
VOC - AQUEOUS - EPA 8260B						

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

10/06/2000

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

Job No: 00.08183
 Account No: 13800

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Job Description: 1411-0059-304-01 Amery Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Benzene		2116	<0.10	0.10	0.33	ug/L
Bromobenzene		2116	<0.25	0.25	0.83	ug/L
Bromochloromethane		2116	<0.25	0.25	0.83	ug/L
Bromodichloromethane		2116	<0.25	0.25	0.83	ug/L
Bromoform		2116	<0.25	0.25	0.83	ug/L
Bromomethane		2116	<0.25	0.25	0.83	ug/L
n-Butylbenzene		2116	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		2116	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		2116	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		2116	<0.25	0.25	0.83	ug/L
Chlorobenzene		2116	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		2116	<0.25	0.25	0.83	ug/L
Chloroethane		2116	<0.25	0.25	0.83	ug/L
Chloroform		2116	<0.25	0.25	0.83	ug/L
Chloromethane		2116	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		2116	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		2116	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		2116	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		2116	<0.25	0.25	0.83	ug/L
Dibromomethane		2116	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		2116	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		2116	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		2116	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		2116	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		2116	<0.25	0.25	0.83	ug/L
1,2-Dichloroethane		2116	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		2116	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		2116	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		2116	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		2116	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		2116	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		2116	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		2116	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		2116	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		2116	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		2116	<0.25	0.25	0.83	ug/L
Ethylbenzene		2116	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

10/06/2000

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

Job No: 00.08183
 Account No: 13800

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Job Description: 1411-0059-304-01 Amery Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Hexachlorobutadiene		2116	<0.25	0.25	0.83	ug/L
Isopropylbenzene		2116	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		2116	<0.25	0.25	0.83	ug/L
Methylene Chloride		2116	<0.25	0.25	0.83	ug/L
Methyl-t-butyl ether		2116	<0.25	0.25	0.83	ug/L
Naphthalene		2116	<0.25	0.25	0.83	ug/L
n-Propylbenzene		2116	<0.25	0.25	0.83	ug/L
Styrene		2116	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		2116	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		2116	<0.25	0.25	0.83	ug/L
Tetrachloroethene		2116	<0.25	0.25	0.83	ug/L
Toluene		2116	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		2116	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		2116	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		2116	<0.25	0.25	0.83	ug/L
1,1,2-Trichloroethane		2116	<0.25	0.25	0.83	ug/L
Trichloroethene		2116	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		2116	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		2116	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		2116	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		2116	<0.10	0.10	0.33	ug/L
Vinyl Chloride		2116	<0.25	0.25	0.83	ug/L
Xylenes, Total		2116	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		2116	102.0		91-111	%
Surr: Toluene-d8		2116	98.8		85-115	%
Surr: Bromofluorobenzene		2116	98.6		87-111	%
VOC - AQUEOUS - EPA 8260B						
Benzene		2121	<0.10	0.10	0.33	ug/L
Bromobenzene		2121	<0.25	0.25	0.83	ug/L
Bromochloromethane		2121	<0.25	0.25	0.83	ug/L
Bromodichloromethane		2121	<0.25	0.25	0.83	ug/L
Bromoform		2121	<0.25	0.25	0.83	ug/L
Bromomethane		2121	<0.25	0.25	0.83	ug/L
n-Butylbenzene		2121	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		2121	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		2121	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		2121	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

10/06/2000

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

Job No: 00.08183
 Account No: 13800

Page 88 of 89

Job Description: 1411-0059-304-01 Amery Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Chlorobenzene		2121	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		2121	<0.25	0.25	0.83	ug/L
Chloroethane		2121	<0.25	0.25	0.83	ug/L
Chloroform		2121	<0.25	0.25	0.83	ug/L
Chloromethane		2121	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		2121	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		2121	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		2121	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		2121	<0.25	0.25	0.83	ug/L
Dibromomethane		2121	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		2121	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		2121	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		2121	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		2121	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		2121	<0.25	0.25	0.83	ug/L
1,2-Dichloroethane		2121	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		2121	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		2121	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		2121	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		2121	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		2121	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		2121	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		2121	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		2121	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		2121	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		2121	<0.25	0.25	0.83	ug/L
Ethylbenzene		2121	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		2121	<0.25	0.25	0.83	ug/L
Isopropylbenzene		2121	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		2121	<0.25	0.25	0.83	ug/L
Methylene Chloride		2121	0.31	0.25	0.83	ug/L
Methyl-t-butyl ether		2121	<0.25	0.25	0.83	ug/L
Naphthalene		2121	<0.25	0.25	0.83	ug/L
n-Propylbenzene		2121	<0.25	0.25	0.83	ug/L
Styrene		2121	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		2121	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		2121	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

10/06/2000

Mr. Mark Iverson
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

Job No: 00.08183
 Account No: 13800

Page 89 of 89

Job Description: 1411-0059-304-01 Amery Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Tetrachloroethene		2121	<0.25	0.25	0.83	ug/L
Toluene		2121	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		2121	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		2121	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		2121	<0.25	0.25	0.83	ug/L
1,1,2-Trichloroethane		2121	<0.25	0.25	0.83	ug/L
Trichloroethene		2121	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		2121	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		2121	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		2121	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		2121	<0.10	0.10	0.33	ug/L
Vinyl Chloride		2121	<0.25	0.25	0.83	ug/L
Xylenes, Total		2121	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		2121	102.2		91-111	%
Surr: Toluene-d8		2121	97.8		85-115	%
Surr: Bromofluorobenzene		2121	94.4		87-111	%

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

00.08183



Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone: 920-261-1660
Fax: 920-261-8120

To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Cedar Corporation Client #: _____

Address: 604 Wilson Avenue

City/State/Zip Code: Menomonie WI 54751

Project Manager: Mark Iverson

Telephone Number: 715-235-9081 Fax: 715-235-2727

Sampler Name: (Print Name) Ryan Yarrington

Sampler Signature: [Signature]

Project Name: Amely Landfill

Project #: 1411-0059 304-01

Site/Location ID: _____ State: WI

Report To: Cedar Corp

Invoice To: City of Amely

Quote #: 118 Centel St. PO# Amely WI 54001

TAT <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (surcharges may apply)	Date Needed: _____	Fax Results: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix Preservation & # of Containers								Analyze For:										QC Deliverables None Level 2 (Batch QC) Level 3 Level 4 Other: _____	
							SL - Sludge	DW - Drinking Water	GW - Groundwater	S - Soil/Solid	WW - Wastewater	Specify Other	HNO ₃	HCl	NaOH	H ₂ SO ₄	Methanol	None	Other (Specify)	VOC 8021	Dissolved Iron	Dissolved Sulfate	Nitrate + Nitrite → N	Dissolved Mn		Alkalinity
A-1	9-18-00		1320	6			GW	1	3	1	1				X	X	X	X	X	X	X	X	X	X	X	
A-2			1335																							
A-3			1330																							
B-1			1215																							
B-2			1220																							
C-1			1410																							
C-2			1430																							
D-1			1035																							
D-2			1040																							
E-1			1445																							

Special Instructions: _____

page 1 of 3

LABORATORY COMMENTS:
Init Lab Temp: _____
Rec Lab Temp: iced
Custody Seals: Y N N/A
Bottles Supplied By TestAmerica: Y N
Method of Shipment: dunham

Relinquished By: <u>[Signature]</u>	Date: <u>9/19/00</u>	Time: <u>0800</u>	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: <u>[Signature]</u>	Date: <u>9/20</u>	Time: <u>16:00</u>

109/20/00



Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone: 920-261-1660
Fax: 920-261-8120

00.08183

To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring

Client Name Cedar Corporation Client #: _____

Address: 604 Wilson Avenue

City/State/Zip Code: Menomonie WI 54751

Project Manager: Mark Iverson

Telephone Number: 715-235-9081 Fax: 715-235-2727

Sampler Name: (Print Name) Ryan Yarrington

Sampler Signature: [Signature]

Project Name: Amely Landfill

Project #: 1411-8059 304-01

Site/Location ID: _____ State: WI

Report To: Cedar Corp.

Invoice To: City of Amely

Quote #: 118 Center St. PO# Amely WI 54001

Table with columns: TAT, Matrix, Preservation & # of Containers, Analyze For, QC Deliverables, REMARKS. Rows include sample IDs like E-1, E-2, F-1, F-2, F-3, G-1, G-2, G-3, H-1, MW-1.

Special Instructions: _____

page 2 of 3

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: feed
Custody Seals: Y N N/A
Bottles Supplied by TestAmerica: Y N
Method of Shipment: duncan

Table for Relinquished/Received information with columns for Name, Date, Time, and Received By.

29/20/00

00.08183



Watertown Division
602 Commerce Drive
Watertown, WI 53094
Phone: 920-261-1660
Fax: 920-261-8120

To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name Cedar Corporation Client #: _____

Address: 604 Wilson Avenue

City/State/Zip Code: Menomonie WI 54751

Project Manager: Mark Iverson

Telephone Number: 715-235-9081 Fax: 715-235-2727

Sampler Name: (Print Name) Ryan Farrington

Sampler Signature: [Signature]

Project Name: Amery Landfill

Project #: 1411-0059-304-01

Site/Location ID: _____ State: WI

Report To: Cedar Corp.

Invoice To: City of Amery

Quote #: 118 Carter St. PO#: Amery WI 54001

TAT <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (surcharges may apply)	Date Needed: _____	Fax Results: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other	Preservation & # of Containers								Analyze For:										QC Deliverables None Level 2 (Batch QC) Level 3 Level 4 Other: _____						
								HNO ₃	HCl	NaOH	H ₂ SO ₄	Methanol	None	Other (Specify)	VOC SOZL	Dissolved Iron	Dissolved Sulfate	Uitete + Nitrite = NO	Dissolved MN	Alkalinity	Chloride	COD	Hardness	TDS								
			9/18/00	1125	G		GW	1	3	1	1						X	X	X	X	X	X	X	X	X	X						
				1130																												
				1350																												
				1620																												
				1625																												
				1630																												
				1555																												

Special Instructions: _____

Relinquished By: [Signature] Date: 9/19/00 Time: 0800

Relinquished By: _____ Date: _____ Time: _____

Relinquished By: _____ Date: _____ Time: _____

Received By: [Signature] Date: 9/20 Time: 16:00

LABORATORY COMMENTS:
Init Lab Temp: _____
Rec Lab Temp: 1ced
Custody Seals: Y N N/A
Bottles Supplied by TestAmerica: Y N
Method of Shipment: duplex

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A9/20/00

Facility/Well	DNR Code	Test Name	Dup?	Result	Flags	MDL	LOQ	Sample #	Exceedance?
00069005	01046	IRON, DISSOLVED (MG/L AS FE)	1	0.78	MMM	0.024	0.085	411551	PAL & ES Exceeded
00069005	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	1000	MMM	8	30	411551	PAL & ES Exceeded
00069006	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	790	MMM	8	30	411552	PAL & ES Exceeded
00069007	01046	IRON, DISSOLVED (MG/L AS FE)	1	0.22	MMM	0.024	0.085	411553	PAL & ES Exceeded
00069007	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	420	MMM	8	30	411553	PAL & ES Exceeded
00069008	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	220	MMM	8	30	411554	PAL & ES Exceeded
00069009	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	190	MMM	8	30	411555	PAL & ES Exceeded
00069009	77093	CIS-1,2-DICHLOROETHENE, WHOLE WA	1	9.1	MMM	0.25	0.83	411555	PAL & ES Exceeded
00069009	34475	TETRACHLOROETHYLENE IN WHL WTR	1	11	MMM	0.25	0.83	411555	PAL & ES Exceeded
00069009	39180	TRICHLOROETHYLENE IN WHOLE WATE	1	8.4	MMM	0.25	0.83	411555	PAL & ES Exceeded
00069009	39175	VINYL CHLORIDE IN WHOLE WATER SA	1	7.4	MMM	0.25	0.83	411555	PAL & ES Exceeded
00069011	34475	TETRACHLOROETHYLENE IN WHL WTR	1	0.56	JMMM	0.25	0.83	411557	PAL & ES Exceeded
00069015	01046	IRON, DISSOLVED (MG/L AS FE)	1	26	MMM	0.024	0.085	411562	PAL & ES Exceeded
00069015	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	490	MMM	8	30	411562	PAL & ES Exceeded
00069016	00631	NITRITE PLUS NITRATE, DIS. 1 DET. (MG	1	2.9	MMM	0.024	0.084	411563	PAL & ES Exceeded
00069017	01046	IRON, DISSOLVED (MG/L AS FE)	1	1.8	MMM	0.024	0.085	411564	PAL & ES Exceeded
00069017	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	240	MMM	8	30	411564	PAL & ES Exceeded
00069017	34501	1,1-DICHLOROETHYLENE IN WHL WTR S	1	0.78	JMMM	0.25	0.83	411564	PAL & ES Exceeded
00069017	34475	TETRACHLOROETHYLENE IN WHL WTR	1	0.88	MMM	0.25	0.83	411564	PAL & ES Exceeded
00069017	39180	TRICHLOROETHYLENE IN WHOLE WATE	1	2.1	MMM	0.25	0.83	411564	PAL & ES Exceeded
00069017	39175	VINYL CHLORIDE IN WHOLE WATER SA	1	1.7	MMM	0.25	0.83	411564	PAL & ES Exceeded
00069018	01046	IRON, DISSOLVED (MG/L AS FE)	1	0.21	MMM	0.024	0.085	411565	PAL & ES Exceeded
00069018	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	59	MMM	8	30	411565	PAL & ES Exceeded
00069018	34475	TETRACHLOROETHYLENE IN WHL WTR	1	1.3	MMM	0.25	0.83	411565	PAL & ES Exceeded
00069018	39180	TRICHLOROETHYLENE IN WHOLE WATE	1	0.71	JMMM	0.25	0.83	411565	PAL & ES Exceeded
00069020	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	270	MMM	8	30	411567	PAL & ES Exceeded
00069021	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	110	MMM	8	30	411568	PAL & ES Exceeded
00069022	01046	IRON, DISSOLVED (MG/L AS FE)	1	1.4	MMM	0.024	0.085	411569	PAL & ES Exceeded
00069022	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	220	MMM	8	30	411569	PAL & ES Exceeded
00069022	39180	TRICHLOROETHYLENE IN WHOLE WATE	1	0.98	MMM	0.25	0.83	411569	PAL & ES Exceeded
00069022	39175	VINYL CHLORIDE IN WHOLE WATER SA	1	0.91	MMM	0.25	0.83	411569	PAL & ES Exceeded
00069001	00631	NITRITE PLUS NITRATE, DIS. 1 DET. (MG	1	7.7	MMM	0.024	0.084	411570	PAL & ES Exceeded
00069001	01046	IRON, DISSOLVED (MG/L AS FE)	1	0.16	MMM	0.024	0.085	411570	PAL & ES Exceeded
00069001	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	1300	MMM	8	30	411570	PAL & ES Exceeded
00069023	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	79	MMM	8	30	411571	PAL & ES Exceeded
00069023	34475	TETRACHLOROETHYLENE IN WHL WTR	1	20	MMM	0.25	0.83	411571	PAL & ES Exceeded
00069023	39180	TRICHLOROETHYLENE IN WHOLE WATE	1	11	MMM	0.25	0.83	411571	PAL & ES Exceeded
00069023	39175	VINYL CHLORIDE IN WHOLE WATER SA	1	2.6	MMM	0.25	0.83	411571	PAL & ES Exceeded
00069024	00940	CHLORIDE (MG/L AS CL)	1	180	MMM	1	3.3	411572	PAL & ES Exceeded
00069024	00946	SULFATE, DISSOLVED (MG/L AS SO4)	1	310	MMM	2	6.7	411572	PAL & ES Exceeded

00069024	01056 MANGANESE, DISSOLVED (UG/L AS MN)	1	74 MMM	8	30	411572 PAL & ES Exceeded
00069024	78124 BENZENE IN WATER (UG/L)	1	1 MMM	0.1	0.33	411572 PAL & ES Exceeded
00069024	32103 1,2-DICHLOROETHANE IN WHOLE WATE	1	2 MMM	0.25	0.83	411572 PAL & ES Exceeded
00069024	34501 1,1-DICHLOROETHYLENE IN WHL WTR S	1	33 MMM	0.25	0.83	411572 PAL & ES Exceeded
00069024	77093 CIS-1,2-DICHLOROETHENE, WHOLE WA	1	140 MMM	0.25	0.83	411572 PAL & ES Exceeded
00069024	34423 DICHLOROMETHANE IN WHL WTR SAM	1	12 MMM	0.25	0.83	411572 PAL & ES Exceeded
00069024	34475 TETRACHLOROETHYLENE IN WHL WTR	1	110 MMM	0.25	0.83	411572 PAL & ES Exceeded
00069024	34506 1,1,1-TRICHLOROETHANE IN WHL WTR	1	48 MMM	0.25	0.83	411572 PAL & ES Exceeded
00069024	34511 1,1,2-TRICHLOROETHANE IN WHL WTR	1	4.3 MMM	0.25	0.83	411572 PAL & ES Exceeded
00069024	39180 TRICHLOROETHYLENE IN WHOLE WATE	1	110 MMM	0.25	0.83	411572 PAL & ES Exceeded
00069024	39175 VINYL CHLORIDE IN WHOLE WATER SA	1	160 MMM	0.25	0.83	411572 PAL & ES Exceeded
00069003	01046 IRON, DISSOLVED (MG/L AS FE)	1	9.9 MMM	0.024	0.085	411573 PAL & ES Exceeded
00069003	01056 MANGANESE, DISSOLVED (UG/L AS MN)	1	4700 MMM	8	30	411573 PAL & ES Exceeded
00069003	78124 BENZENE IN WATER (UG/L)	1	1.2 MMM	0.1	0.33	411573 PAL & ES Exceeded
00069103	00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (1	2.1 MMM	0.024	0.084	411574 PAL & ES Exceeded
00069101	00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (1	3.2 MMM	0.024	0.084	411575 PAL & ES Exceeded
00069102	01055 MANGANESE, TOTAL (UG/L AS MN)	1	52 MMM	8	30	411576 PAL & ES Exceeded
00069997	32101 BROMODICHLOROMETHANE IN WHL W	1	0.55 JFMM	0.25	0.83	411577 PAL & ES Exceeded
00069997	32106 CHLOROFORM IN WHOLE WATER SAMP	1	1.1 FMM	0.25	0.83	411577 PAL & ES Exceeded
00069005	72020 ELEVATION, GROUNDWATER (FEET AB	1	1064.09 MMM			411551
00069005	72002 DEPTH TO GROUNDWATER (FEET BELO	1	6.68 MMM			411551
00069005	39036 ALKALINITY, TOTAL FILTERED (MG/L AS	1	NMMM	10	33	411551
00069005	00940 CHLORIDE (MG/L AS CL)	1	NMMM	1	3.3	411551
00069005	00341 CHEMICAL OXYGEN DEMAND, FILTERE	1	13 JMMM	3.8	14	411551
00069005	22413 HARDNESS, TOTAL, FILTERED (MG/L AS	1	20 MMM	4	12	411551
00069005	00631 NITRITE PLUS NITRATE, DIS. 1 DET. (MG	1	0.024 MMM	0.024	0.084	411551
00069005	70295 DISSOLVED SOLIDS, TOTAL (MG/L)	1	7.3 MMM	1	3.3	411551
00069005	00946 SULFATE, DISSOLVED (MG/L AS SO4)	1	2.6 JMMM	2	6.7	411551
00069005	78124 BENZENE IN WATER (UG/L)	1	NMMM	0.1	0.33	411551
00069005	81555 BROMOBENZENE IN WHL WTR SAMPLE	1	NMMM	0.25	0.83	411551
00069005	77297 BROMOCHLOROMETHANE (UG/L)	1	NMMM	0.25	0.83	411551
00069005	32101 BROMODICHLOROMETHANE IN WHL W	1	NMMM	0.25	0.83	411551
00069005	32104 TRIBROMOMETHANE IN WHL WTR SAM	1	NMMM	0.25	0.83	411551
00069005	34413 BROMOMETHANE IN WHL WTR SAMPLE	1	NMMM	0.25	0.83	411551
00069005	77342 BUTYLBENZENE, N- (UG/L)	1	NMMM	0.25	0.83	411551
00069005	77350 BUTYLBENZENE, SEC- (UG/L)	1	NMMM	0.25	0.83	411551
00069005	77353 BUTYLBENZENE, TERT- (UG/L)	1	NMMM	0.25	0.83	411551
00069005	32102 CARBON TETRACHLORIDE IN WHOLE W	1	NMMM	0.25	0.83	411551
00069005	34301 CHLOROBENZENE IN WHL WTR SAMPL	1	NMMM	0.25	0.83	411551
00069005	34306 CHLORODIBROMOMETHANE IN WHL WT	1	NMMM	0.25	0.83	411551
00069005	34311 CHLOROETHANE IN WHL WTR SAMPLE	1	NMMM	0.25	0.83	411551

RECEIVED
DNR SPOONER

'01 JAN 24 AM 11 03

January 23, 2001

Ms. Julie Riemenschneider
City of Amery
118 Center Street
Amery, WI 54001

RE: Amery Landfill Groundwater Monitoring, December 2000

Dear Julie:

The Amery Landfill analytical data for the December 2000 sampling period has been reviewed and the necessary documents have been forwarded to the DNR on your behalf. I have enclosed your copies of the groundwater monitoring certification form, analytical results, and the DNR required memorandum explaining all analytical results that exceed Preventive Action Limits.

If you have any questions or concerns, please contact Scott McCurdy or me at your convenience.

Yours Truly,

CEDAR CORPORATION



Mark Iverson
Environmental Specialist

MI/mi

Enclosure

cc: WDNR - Bureau of Solid Waste, P.O. Box 7921, Madison, WI 53707
WDNR - Jamie Dunn, 810 West Maple Street, Spooner, WI 54801

January 23, 2001

Ms. Julie Riemenschneider
City of Amery
118 Center Street
Amery, WI 54001

RE: Amery Landfill, Soil Vent Monitoring
Methane Lower Explosive Limit (LEL) Exceedance
Ch. NR 507.22 Wisconsin Administrative Code

Dear Ms. Riemenschneider:

The December 2000 soil vent monitoring has been completed at the Amery Landfill. The results indicate that the LEL of Methane, 5.5% total volume, has been exceeded in the three gas extraction vents (V-1, V-2, and V-3) and in two of the four soil gas monitoring points (GP-1 and GP-2). The following comments pertain to these exceedances.

V-1, V-2, V-3:

Three gas extraction vents, V-1, V-2, and V-3, are located within the landfill. Methane concentrations at these three sample points have exceeded the LEL of methane during the December 2000 sampling event. Total percent methane concentrations have ranged from 44.1% to 63.6% during the sampling event. No trends have been identified to this point.

GP-1:

Gas point #1 is located northeast of the landfill. Methane concentrations in GP-1 have exceeded the LEL of 5.5% total volume methane during the December 2000 sampling event. No trends have been identified to this point.

GP-2:

Gas point #2 is located south of the landfill. Methane concentrations in GP-2 have exceeded the LEL of 5.5% total volume methane during the December 2000 sampling events. No trends have been identified to this point.

Results of the gas extraction vent and soil vent monitoring are shown on Table 1. The data diskette has been forwarded to the Bureau of Solid Waste in Madison. Please do not hesitate to contact me or Scott McCurdy at 1-800-472-7372 should you have any questions regarding this project.

Sincerely,

CEDAR CORPORATION



Mark Iverson
Environmental Specialist

MI/br

cc: WDNR, Jamie Dunn, 810 West Maple St., Spooner, WI 54801
WDNR, Bureau of Solid Waste, P.O. Box 7921, Madison, WI 53707

MEMORANDUM

TO: Wisconsin DNR Bureau of Solid Waste

FROM: Mark Iverson, Cedar Corporation

DATE: January 23, 2001

SUBJECT: Amery Landfill Preventative Action Limit (PAL) Exceedances

The quarterly ground water sampling and analysis for the Amery Landfill, December 2000, has been completed. Wisconsin Administrative Code NR 140 Preventative Action Limits (PAL) have been exceeded for benzene, chloride, nitrate+nitrite, sulfate, iron, manganese, chloroethane, 1,2-Dichloroethane, 1,1 dichloroethene, cis-1,2-dichloroethene, tetrachloroethylene, 1,1,2-Trichloroethane, trichloroethene, and vinyl chloride. One or a combination of these substances has been detected over the PAL in A-1, A-2, A-3, B-1, B-2, E-2, F-2, F-3, G-2, G-3, H-1, MW-1, MW-2R, MW-2AR, MW-3. The concentrations of analytes detected are consistent with data acquired during past sampling events. At this time, the contaminant concentration trends appear to be stable. See attached tables for VOC and indicator parameter detects.

Nitrate+nitrite was detected in the Fouk's well (3.7 mg/L) and the Ryan well (2.3 mg/L) above their established PALs of 2.0 mg/L. Nitrate+nitrite concentrations are consistent with previous results.

No compounds were detected above the NR140 PALs in the Jackson residential well.

MI/br

ATTACHMENT 4
GROUNDWATER MONITORING DATA CERTIFICATION

Note: Two data certification pages and two copies of any exceedance notification and explanation must be prepared for *each* license number included on the diskette. One copy of each must be mailed to the WDNR Central Office with the diskette, the second copies must be mailed to the WDNR Regional Office for the region in which the facility is located.

Check here to indicate that a copy of this page (and a copy of the exceedance notification letter, if any) was mailed to the DNR Regional Office.

The enclosed diskette contains data for the following facility or facilities:

<u>License No.</u>	<u>Facility ID No.</u>	<u>Facility Name</u>	<u>Sample Results for Month(s) of:</u>
00069	649009240	Amary LIF	December 2000

Check one of the following:

- An exceedance notification and explanation *is attached*.
 An exceedance notification *is not attached* because there are no exceedances to report.

To the best of my knowledge, the information reported and the statements made on this diskette and enclosures are true and correct. *Furthermore, per ss. NR 140.24(1)(a) and 507.30, Wis. Adm. Code, I have attached notification of enforcement standard, preventive action limit, or alternative concentration limit exceedances, if any, which includes a list of the wells at which the exceedances occurred and a preliminary analysis of the cause and significance of the concentration.*

M. Johnson
Signature

1-23-01
Date

Environmental Specialist
Title

	SAMPLE DATE	NR 140 Exceedences		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	A-3	B-1	B-2	C-1	C-2	D-1	D-2	E-1	E-2	F-1	F-2	F-3	G-1	G-2	H-1	PRODE	GOULD	FOULKS			
		PAL	ES																												
ETHYLBENZENE (ug/L) Enforcement Standard - 700 Preventive Action Limit - 140	06/15/99 12/13/99								0.41	0.98																					
HEXACHLOROBUTADIENE (ug/L)	06/10/98									1																					
ISOPROPYLBENZENE (ug/L)	12/13/99								0.58																						
METHYLENE CHLORIDE (ug/L) Enforcement Standard - 5.0 Preventive Action Limit - 0.5	06/10/98 12/13/99 03/13/00 09/18/00	X X X X			1.3	2.3		0.65 2 12		0.63			2.3 0.29 0.41		2.2		0.95			0.25	0.7 1.5	0.96	0.6	0.86				0.3			
METHYL-TERT BUTYL ETHER (ug/L) Enforcement Standard - 60 Preventive Action Limit - 12	06/10/98 12/13/99 03/13/00					1.1			0.84				0.3																		
NAPHTHALENE (ug/L) Enforcement Standard - 40 Preventive Action Limit - 8	06/10/98 12/13/99 03/13/00								0.75 0.28	0.73																					
TETRACHLOROETHENE (ug/L) Enforcement Standard - 5 Preventive Action Limit - 0.5	04/06/93 06/01/93 10/05/93 12/15/93 03/15/94 06/16/94 09/12/94 09/12/95 06/29/96 06/04/97 06/10/98 06/15/99 09/21/99 12/13/99 03/13/00 06/27/00 09/18/00 12/06/00	X X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X X		30 56 65 40 29 75 72 84 54 62 70 101	2.3 0.1 0.1 0.1 0.1 0.1 2.2 1.1 1.9 1.2 1.3 0.58						16 22 22 20 18 26 19 19 15 11 13 11									0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.5 0.73 0.58 0.64	2.3 2.3 1.8 1.5 1.1 3 2.1 2.2 1.2 1 0.96 0.73 1.3 1.4 1.6 1.4 1.3 1.3						2.8 0.1 2.4 2.2 2.9 0.1 3.2 2.5	3.2 3.9 4.0 2.9 0.1 3.4 3.2		0.32 0.28 0.3 0.3 0.26

	SAMPLE DATE	NR 140 Exceedences		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	A-3	B-1	B-2	C-1	C-2	D-1	D-2	E-1	E-2	F-1	F-2	F-3	G-1	G-2	H-1	PRODE	GOULD	FOULKS
		PAL	ES																									
1,1,1 - TRICHLOROETHANE (ug / L) Enforcement Standard - 200 Preventive Action Limit - 40	03/15/94				4.3	0.1							0.1								0.1	0.1				0.1	0.1	
	06/16/94	X			50	0.1							0.1								0.1	0.1				0.1	0.1	
	09/12/94				18	0.1							0.1								0.1	0.1				0.1	0.1	
	09/12/95				4.6	0.1							2.1								0.1	0.1						
	06/29/96				3.3	0.1							0.1								0.1	0.1						
	06/04/97				5.2	0.3							0.5															
	06/10/98				26																	0.76						0.072
	06/15/99				7.7																							
	12/13/99	X						2	49																			
	03/13/00	X						2.5	51					0.58								0.61						
	06/27/00	X						0.88	52					0.63								0.68						
	09/18/00	X						2.7	48					0.68								0.68						
12/06/00							1.1	37																				
1,1,2 - TRICHLOROETHANE (ug / L) Enforcement Standard - 5 Preventive Action Limit - 0.5	12/13/99	X						4.1																				
	03/13/00	X						4.5																				
	06/27/00	X						4.7																				
	09/18/00	X						4.3																				
	12/06/00	X						3.6																				
TRICHLOROFLUOROMETHANE (ug / L)	06/04/97																											0.14
TOLUENE (ug / L) Enforcement Standard - 1000 Preventive Action Limit - 200	06/04/97				0.1	0.2																0.2	0.2	0.1	1.1			
TRICHLOROETHENE (ug / L) Enforcement Standard - 5 Preventive Action Limit - 0.5	04/06/93	X	X		18	7.4							8.6								0.01	1.6				2.9	3.5	
	08/01/93	X	X		27	3.3							12								1.6	1.5				0.1	4.5	
	10/05/93	X	X		22	3.3							12								1.8	0.01				1.9	3.9	
	12/15/93	X	X		16	2.6							10								1.1	0.01				1.8	3.1	
	03/15/94	X	X		13	2.1							9								0.01	0.01				1.8	2.9	
	06/16/94	X	X		45	3.7							16								2.2	1.7				2.7	3.7	
	09/12/94	X	X		31	8.9							12								1.9	1.3				1.7	3.6	
	09/12/95	X	X		37	6.2							11								2.3	1.3						
	06/29/96	X	X		27	5.9							8.7								1.9	1.3						
	06/04/97	X	X		28	5.3							8.6								1.4	1.3						
	06/10/98	X	X		37	6.5							9.8								1.9	0.6						
	06/15/99	X	X		58	3.4															1.7	0.49					0.14	
	09/21/99	X	X										7.8								1.5	0.65						
	12/13/99	X	X					9	110				9								0.66	0.68		1			0.1	
	03/13/00	X	X					6.4	97				8.2								1.8	0.75		0.8				
	06/27/00	X	X					3.3	120				7.3								2	0.61		0.68				
	09/18/00	X	X					11	110				8.4								2.1	0.71		0.98				
12/06/00	X	X					4.7	97				7.9								2.2	0.67		0.99					
1,2,4-Trimethylbenzene	09/21/99								0.18										0.5	0.44				0.45				
XYLENES (ug / L) Enforcement Standard - 10,000 Preventive Action Limit - 1000	06/04/97																											
	06/15/99				1.4			0.87	3.7																			
	12/13/99																				1.4		0.52	1.3				
																						0.99	0.43					

MONITORING WELL	DATE	ES(mg/l) PAL(mg/l)	ALKALINITY	CHLORIDE	COD	HARDNESS	NO2+NO3	TDS	SULFATE	IRON	MANGANESE
			250	250	10	10	250	0.3	0.05		
			125	125	2	2	125	0.15	0.025		
A-1	06/04/1997		<50	0.64	<7	33	NA		NA	0.030	NA
	06/10/1998		52	1.1	21	80	0.027		9.7	0.910	2.3
	06/15/1999		<50	<10	7.5	30	0.052		8.9	<0.024	0.25
	09/21/1999		<50	<10	26	40	<0.024	69	7.6	0.380	NA
	12/13/1999		<50	<5.0	9.7	50	<0.024	22	7.6	0.420	0.85
	03/13/2000		<50	<5.0	17	30	<0.024	62	7.8	0.230	1
	06/27/2000		<50	<5.0	23	210	0.047	110	<2.0	1.900	2.3
	09/18/2000		<50	<5.0	13	20	0.024	7.3	2.6	0.780	1
	12/06/2000		<50	<5.0	31	60	<0.024	88	3.8	0.580	0.97
	A-2	06/04/1997		126	4.66	4.66	141	NA		NA	0.045
06/10/1998			110	3.9	<3.9	120	<0.017		9	0.029	0.81
06/15/1999			120	<10	<7.3	140	<0.017		13	<0.024	0.82
09/21/1999			120	<10	18	130	<0.024	150	10	<0.024	NA
12/13/1999			130	<5.0	<7.3	130	<0.024	<1.0	9	<0.024	0.69
03/13/2000			120	<5.0	13	130	<0.024	160	18	<0.024	0.8
06/27/2000			110	<5.0	<7.3	140	0.047	150	6.5	<0.024	0.79
09/18/2000			100	<5.0	<3.8	140	0.024	91	8.6	<0.024	0.79
12/06/2000			130	<5.0	9.4	140	<0.024	170	6	0.036	0.83
A-3		06/04/1997		154	2.8	<7	175	NA		NA	0.171
	06/10/1998		150	2.6	<3.9	150	<0.017		9.3	0.230	0.41
	06/15/1999		160	<10	<7.3	160	<0.017		19	0.280	0.42
	09/21/1999		150	<10	<7.3	150	<0.024	170	9.7	0.150	NA
	12/13/1999		<50	<5.0	<7.3	150	<0.024	140	4.9	0.180	0.34
	03/13/2000		130	<5.0	<7.3	130	<0.024	180	20	0.200	0.42
	06/27/2000		100	<5.0	<7.3	170	0.047	170	5.4	0.100	0.42
	09/18/2000		120	<5.0	<3.8	120	0.024	120	7.3	0.220	0.42
	12/06/2000		120	<5.0	8.4	160	<0.024	190	5.2	0.190	0.44
	B-1	06/04/1997		58	1.18	7	62	NA		NA	<0.030
06/10/1998			46	1.1	12	56	0.17		7.4	<0.019	0.29
06/15/1999			66	<10	9.1	60	0.044		8.6	0.380	0.4
09/21/1999			<50	<10	10	50	<0.024	83	7.2	0.120	NA
12/13/1999			<50	<5.0	15	70	<0.024	51	8.3	0.031	0.33
03/13/2000			57	<5.0	20	430	<0.024	72	12	<0.024	0.67
06/27/2000			<50	<5.0	12	70	0.047	83	2.4	<0.024	0.49
09/18/2000			<50	<5.0	11	60	0.024	41	5	<0.024	0.22
12/06/2000			54	<5.0	29	50	<0.024	350	3.4	<0.024	0.35
B-2		06/04/1997		344	20.7	8	415	NA		NA	<0.030
	06/10/1998		380	23	15	400	0.075		87	0.035	0.2
	06/15/1999		340	23	10	410	<0.017		86	0.033	0.21
	09/21/1999		390	28	24	420	<0.024	520	58	<0.024	NA
	12/13/1999		460	30	16	410	<0.024	480	72	<0.024	0.16
	03/13/2000		360	36	21	100	<0.024	540	88	<0.024	0.2
	06/27/2000		340	35	12	460	0.047	610	100	<0.024	0.17
	09/18/2000		330	34	7.8	460	0.024	540	100	<0.024	0.19
	12/06/2000		300	28	23	440	<0.024	560	64	<0.024	0.24
	C-1	06/04/1997		94	6.98	<7	104	NA		NA	<0.030
06/10/1998			72	6.9	6	100	1.1		7.9	<0.019	<0.0063
06/15/1999			86	<10	<7.3	110	1.3		10	<0.024	0.055
09/21/1999			100	<10	11	90	0.44	140	5.7	<0.024	NA
12/13/1999			140	<5.0	<7.3	110	0.56	94	4.8	<0.024	<0.0086
03/13/2000			100	<5.0	14	100	1.6	150	17	<0.024	<0.0086
06/27/2000			<50	<5.0	7.4	100	2	150	5.9	<0.024	<0.0086
09/18/2000			<50	<5.0	6.1	100	1.9	120	6.5	<0.024	<0.0086
12/06/2000			<50	<5.0	<3.8	120	1.4	150	4.4	<0.024	<0.0086
C-2		06/04/1997		117	1.45	<7	134	NA		NA	<0.030
	06/10/1998		100	1.3	<3.9	120	0.81		7.2	<0.019	<0.0063
	06/15/1999		120	<10	<7.3	120	0.85		4.8	<0.024	<0.0086
	09/21/1999		110	<10	<7.3	120	0.7	150	8.8	<0.024	NA
	12/13/1999		330	<5.0	<7.3	120	0.72	100	4.9	<0.024	<0.0086
	03/13/2000		110	<5.0	10	50	0.78	130	18	<0.024	<0.0086
	06/27/2000		95	<5.0	<7.3	130	0.8	150	5.4	<0.024	<0.0086
	09/18/2000		82	<5.0	<3.8	120	0.8	110	6.7	<0.024	<0.0086
	12/06/2000		60	<5.0	3.9	140	0.81	150	4.9	<0.024	<0.0086
	D-1	06/10/1998		25	<1.0	<3.9	24	0.21		4.1	<0.019
06/15/1999			<50	<10	8.1	50	0.081		4.3	0.024	<0.0086
09/21/1999			<50	<10	22	20	0.2	47	5.6	0.120	NA
12/14/1999			<50	<5.0	<7.3	30	0.21	<1.0	5	0.065	<0.0086
03/13/2000			19	<5.0	15	20	0.48	30	7.7	<0.024	<0.0086
06/27/2000			<50	<5.0	7.3	10	0.17	37	<2.0	<0.024	<0.0086
09/18/2000			<50	<5.0	8.4	10	0.48	19	2.4	<0.024	<0.0086
12/06/2000			<50	<5.0	<3.8	20	0.21	57	2.5	<0.024	<0.0086

	SAMPLE	NR 140		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	A-3	B-1	B-2	C-1	C-2	D-1	D-2	E-1	E-2	F-1	F-2	F-3	G-1	G-2	H-1	PRODE	GOULD	FOULKS	
		Exceedences	PAL																										ES
	DATE																												
VINYL CHLORIDE (ug / L) Enforcement Standard - 0.2 Preventive Action Limit - 0.02	04/06/93	X	X		90	9.3							3.6																
	06/01/93	X	X		56	5.7							6.1														1.5	1.5	
	10/05/93	X	X		43	4.8							4														X	2.4	
	12/15/93	X	X		38	5.7							4														0.01	1.2	
	03/15/94	X	X		24	3.4							2.8														0.01	0.01	
	06/16/94	X	X		21	3.4							8.4														0.01	X	
	09/12/94	X	X		46	4.6							4.9														0.01	0.01	
	09/12/95	X	X		34	2.1							4.9																
	06/29/96	X	X		30	3.5							2.6																
	06/04/97	X	X		38	2.7							2.1																
	06/10/98	X	X		46	3.2							4.4																
	06/15/99	X	X		7.6	2.8							5.3																
	09/21/99	X	X										4.2																
	12/13/99	X	X					0.77	150				8.1													0.59			
	03/13/00	X	X						180				7.7																
	06/27/00	X	X						160				5.8																
	09/18/00	X	X					2.6	160				7.4													0.91			
12/08/00	X	X						140				8.4														0.76			

Values of 0.1 and 0.01 indicate that the laboratory reported <MDL for this compound on that monitoring event.
Methylene Chloride was the only compound detected in MW-1, A-2, A-3, B-1, C-1, D-1, E-1, F-1, and G-3.
MW-2A were collected on May 24, 1999 prior to their abandonment.

MONITORING WELL	DATE	ALKALINITY		CHLORIDE	COD	HARDNESS	NO2+NO3	TDS	SULFATE	IRON	MANGANESE
		ES(mg/l)		250			10		250	0.3	0.05
		PAL(mg/l)		125			2		125	0.15	0.025
G-3	06/10/1998		170	1.8	<3.9	180	<0.017		9.2	<0.019	0.1
	06/15/1999		160	<10	<7.3	170	<0.017		12	<0.024	0.16
	09/21/1999		170	<10	<7.3	190	<0.024	180	22	<0.024	NA
	12/14/1999		170	<5.0	<7.3	160	<0.024	120	4.9	0.065	0.085
	03/13/2000		160	<5.0	9.1	60	0.140	200	24	<0.024	0.13
	06/27/2000		130	<5.0	<7.3	170	0.031	220	4.9	<0.024	0.084
	09/18/2000		150	NA	<3.8	160	0.024	170	NA	<0.024	0.11
	12/06/2000		150	<5.0	4.8	180	<0.024	240	5.4	<0.024	0.082
H-1	12/14/1999		170	<5.0	<7.3	160	<0.024	170	9.6	0.770	0.24
	03/13/2000		160	<5.0	11	160	<0.024	200	25	0.780	0.21
	06/27/2000		120	<5.0	<7.3	170	0.031	220	6.3	1.000	0.23
	09/18/2000		140	<5.0	<3.8	190	0.024	180	10	1.400	0.22
	12/06/2000		130	5.9	4.5	200	<0.024	240	6.2	1.200	0.2
MW-1	06/12/1997		77	16.3	13	117	NA		NA	<0.030	NA
	06/10/1998		62	15	7.3	108	3.8		15	<0.019	0.94
	06/15/1999		98	13	<7.3	120	4.8		17	<0.024	0.44
	12/13/1999		<50	<5.0	13	110	4.5	160	21	<0.024	0.95
	03/13/2000		82	8.9	16	130	7	210	29	<0.024	1
	06/27/2000		<50	5	20	180	13	280	33	<0.024	1.4
	09/18/2000		77	12	6.8	150	7.7	210	35	0.160	1.3
	12/06/2000		87	8.8	16	160	8.3	240	30	0.099	1.3
MW-2	06/12/1997		752	88.4	50	1260	NA		NA	2.090	NA
	06/10/1998		670	100	45	1100	0.87		640	1.700	5.2
MW-2A	06/04/1997		980	188	64	1100	NA		NA	13	NA
	06/10/1998		800	120	51	740	<0.017		44	14	9.9
MW-2R	12/13/1999		260	<5.0	22	270	0.26	360	53	<0.024	0.79
	03/13/2000		240	7.9	40	230	1.8	310	40	0.310	0.55
	06/27/2000		180	<5.0	24	230	2.9	350	18	<0.024	<0.0086
	09/18/2000		210	15	18	310	0.81	370	66	<0.024	0.079
	12/06/2000		160	7.7	11	230	2	280	14	<0.024	0.062
MW-2AR	12/13/1999		850	180	42	920	<0.024	1600	280	<0.024	0.14
	03/13/2000		850	190	44	1000	0.085	1550	260	<0.024	0.097
	06/27/2000		720	220	34	1000	0.031	1600	350	<0.024	0.068
	09/18/2000		710	180	28	980	0.024	1600	310	<0.024	0.074
	12/06/2000		680	180	38	1010	<0.024	1,500	240	<0.024	0.062
MW-3	06/12/1997		175	21.1	28	189	NA		NA	1.750	NA
	06/10/1998		79	2.9	<3.9	110	0.056		12	3.0	2.5
	06/15/1999		120	<10	7.5	140	0.13		14	6.0	3.5
	09/21/1999		94	<10	<7.3	90	0.078	150	22	4.9	NA
	12/13/1999		700	97	81	510	<0.024	820	22	25.0	6.6
	03/13/2000		310	25	32	260	0.130	340	55	14.0	2.9
	06/27/2000		120	12	12	170	2.4	240	8.4	2.400	2.7
	09/18/2000		360	23	21	390	0.024	480	9.2	9.900	4.7
	12/06/2000		300	14	21	300	<0.024	410	5.9	9.400	3.6
FOUKS	06/04/1997		156	8.17	<7	180	NA		NA	0.089	NA
	06/10/1998		140	6	<3.9	180	3.1		11	0.130	<0.0063
	06/15/1999		150	<10	<7.3	160	3.4		12	0.051	<0.0086
	09/21/1999		150	<10	<7.3	160	1.3	200	12	0.350	NA
	12/13/1999		170	<5.0	8.4	150	2.8	150	4.9	0.160	0.012
	03/13/2000		160	6.4	9.4	180	3.6	210	31	0.040	<0.0086
	06/27/2000		110	<5.0	<7.3	150	2.8	210	6.4	0.069	0.012
	09/18/2000		100	6.2	<3.8	150	3.2	190	9.7	0.054	<0.0086
	12/06/2000		110	7.4	7.4	170	3.7	250	6.8	0.049	<0.0086
RYAN	06/04/1997		63	7.17	<7	82	NA		NA	<0.030	NA
	06/10/1998		63	4	<3.9	84	1.4		8.6	<0.019	<0.0063
	06/15/1999		740	<10	<7.3	90	0.91		4.9	<0.024	<0.0086
	09/21/1999		78	<10	<7.3	80	1.4	130	9.3	<0.024	NA
	12/13/1999		91	7.6	<7.3	90	2	100	4.8	<0.024	<0.0086
	03/13/2000		76	<5.0	9.1	90	1.9	130	14	<0.024	<0.0086
	06/27/2000		<50	<5.0	<7.3	120	1.1	140	6.5	<0.024	<0.0086
	09/18/2000		<50	5	<3.8	90	2.1	120	9.2	<0.024	<0.0086
	12/06/2000		68	6.6	4.2	100	2.3	190	7	<0.024	<0.0086
JACKSON	06/10/1998		NA	NA	NA	NA	0.27		7.8	0.049	0.011
	06/15/1999		150	<10	<7.3	170	0.28		12	0.041	0.031
	09/21/1999		170	<10	<7.3	160	0.4	200	10	0.081	NA
	12/13/1999		180	<5.0	<7.3	150	0.16	170	8.7	<0.024	0.016
	03/13/2000		180	6.2	9.7	160	0.22	180	24	0.046	0.039
	06/27/2000		120	<5.0	<7.3	160	0.22	200	3.7	<0.024	0.1
	09/18/2000		120	<5.0	<3.8	160	0.26	170	6.2	0.041	0.052
	12/06/2000		140	<5.0	7.1	160	0.13	260	3.9	<0.024	0.013

ES = ENFORCEMENT STANDARD
PAL = PREVENTIVE ACTION LIMIT
NA = NOT ANALYZED

MONITORING WELL	DATE	ALKALINITY		CHLORIDE	COD	HARDNESS	NO2+NO3	TDS	SULFATE	IRON	MANGANESE
		ES(mg/l)		250			10		250	0.3	0.05
		PAL(mg/l)		125			2		125	0.15	0.025
D-2	06/10/1998		34	1.3	8.6	40	0.74		4.1	<0.019	<0.0063
	06/15/1999		<50	<10	<7.3	40	0.56		7.8	<0.024	<0.0086
	09/21/1999		<50	<10	<7.3	40	0.4	65	5.9	<0.024	NA
	12/14/1999		<50	<5.0	<7.3	30	0.39	1.7	4.9	<0.024	<0.0086
	03/13/2000		32	<5.0	13	40	0.440	63	8	<0.024	<0.0086
	06/27/2000		<50	<5.0	7.4	30	0.47	62	4.1	<0.024	<0.0086
	09/18/2000		<50	<5.0	3.9	30	0.42	54	4.8	<0.024	<0.0086
	12/06/2000		<50	<5.0	12	20	0.39	99	4.2	<0.0024	<0.0086
E-1	06/10/1998		56	1.7	8.6	64	0.084		7.9	<0.019	<0.0063
	06/15/1999		68	<10	<7.3	70	0.074		11	<0.024	<0.0086
	09/21/1999		<50	<10	<7.3	40	0.28		7.3	<0.024	NA
	12/14/1999		<50	<5.0	<7.3	40	0.17	63	8.5	<0.024	<0.0086
	03/13/2000		40	<5.0	9.7	40	<0.024	67	8.5	<0.024	<0.0086
	06/27/2000		<50	<5.0	11	60	0.047	89	6.8	<0.024	<0.0086
	09/18/2000		<50	<5.0	<3.8	30	0.38	47	5.5	<0.024	<0.0086
	12/06/2000		<50	<5.0	9.1	40	0.17	110	5.8	<0.024	<0.0086
E-2	06/10/1998		74	1.7	18	96	<0.017		4.1	29	0.51
	06/15/1999		92	<10	20	90	0.25		11	29	0.52
	09/21/1999		97	<10	18	70	0.38	130	7.3	12	NA
	12/14/1999		92	<5.0	15	70	<0.024	87	5	20	0.42
	03/13/2000		88	<5.0	28	80	<0.024	120	15	26	0.52
	06/27/2000		<50	<5.0	18	50	0.047	140	<2.0	24	0.48
	09/18/2000		<50	<5.0	13	220	0.21	110	<2.0	26	0.49
	12/06/2000		71	<5.0	18	250	<0.024	140	<2.0	22	0.45
F-1	06/04/1997		<50	0.62	<7	49	NA		NA	<0.030	NA
	06/10/1998		41	<1.0	21	64	3.1		6.2	<0.019	<0.0063
	06/15/1999		57	<10	14	60	0.97		9.2	0.024	<0.0086
	09/21/1999		<50	<10	28	60	0.8	85	7.7	<0.024	NA
	12/13/1999		<50	<5.0	11	60	0.87	27	4.9	<0.024	<0.0086
	03/13/2000		43	<5.0	24	40	0.53	59	9.5	0.038	<0.0086
	06/27/2000		<50	<5.0	22	100	1.4	85	3	<0.024	<0.0086
	09/18/2000		<50	<5.0	21	20	2.9	78	6.8	<0.024	<0.0086
12/06/2000		<50	<5.0	14	40	1.6	91	5.3	<0.024	<0.0086	
F-2	06/04/1997		176	5.78	<7	202	NA		NA	1.77	NA
	06/10/1998		170	4.8	<3.9	180	0.05		11	2.0	0.26
	06/15/1999		160	<10	<7.3	190	0.025		14	2.0	0.26
	09/21/1999		170	15	<7.3	160	<0.024	210	11	1.7	NA
	12/13/1999		98	<5.0	<7.3	160	<0.024	160	4.9	0.13	0.23
	03/13/2000		170	<5.0	9.7	170	<0.024	200	23	1.8	0.27
	06/27/2000		140	<5.0	<7.3	180	0.047	240	8.9	1.900	0.26
	09/18/2000		150	<5.0	<3.8	180	0.024	180	11	1.800	0.24
12/06/2000		150	11	5.2	100	<0.024	220	7.1	1.800	0.24	
F-3	06/04/1997		169	2.05	<7	193	NA		NA	<0.030	NA
	06/10/1998		160	2.1	<3.9	160	0.4		9.5	0.023	<0.0063
	06/15/1999		160	<10	<7.3	170	0.39		13	<0.024	<0.0086
	09/21/1999		160	<10	<7.3	40	0.21	200	12	0.12	NA
	12/13/1999		180	<5.0	<7.3	170	<0.024	170	8.9	1.60	0.23
	03/13/2000		150	<5.0	9.4	150	0.130	190	18	0.10	0.031
	06/27/2000		120	<5.0	<7.3	180	0.18	230	6.5	0.120	0.0045
	09/18/2000		140	<5.0	<3.8	160	0.15	180	10	0.210	0.059
12/06/2000		140	<5.0	3.9	80	0.093	210	7.4	0.230	0.042	
G-1	06/10/1998		43	<1.0	14	52	1.3		4.1	<0.019	<0.0063
	06/15/1999		54	<10	8.1	50	0.74		8.5	<0.024	<0.0086
	09/21/1999		<50	<10	12	170	1.4	85	7.3	0.120	NA
	12/14/1999		55	<5.0	28	60	0.74	57	4.8	<0.024	<0.0086
	03/13/2000		55	<5.0	18	30	0.460	59	7	0.037	<0.0086
	06/27/2000		<50	<5.0	14	30	1	95	2.7	<0.024	<0.0086
	09/18/2000		<50	<5.0	16	20	1.2	53	3.2	<0.024	<0.0086
	12/06/2000		<50	<5.0	10	50	1.2	89	3.4	<0.024	<0.0086
G-2	06/10/1998		54	1	11	68	0.22		6.3	<0.019	0.17
	06/15/1999		81	<10	<7.3	110	0.14		14	1.000	0.29
	09/21/1999		59	<10	13	80	0.065	110	7.3	0.170	NA
	12/14/1999		77	<5.0	11	70	<0.024	78	5.3	<0.024	0.21
	03/13/2000		55	<5.0	17	80	<0.024	110	19	0.410	0.27
	06/27/2000		<50	<5.0	11	70	0.031	140	<2.0	0.100	0.26
	09/18/2000		67	<5.0	6.5	70	0.024	67	2.2	0.096	0.27
	12/06/2000		54	<5.0	11	80	<0.024	160	<2.0	0.860	0.23

ANALYTICAL AND QUALITY CONTROL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000

Job No: 00.10645

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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
421604	00069001 MW-1 1411-0059 Amery	12/06/2000	12/09/2000
421605	00069023 MW-2R 1411-0059 Amery	12/06/2000	12/09/2000
421606	00069024 MW-2AR 1411-0059 Amery	12/06/2000	12/09/2000
421607	00069003 MW-3 1411-0059 Amery L	12/06/2000	12/09/2000
421608	00069005 A-1 1411-0059 Amery LF	12/06/2000	12/09/2000
421609	00069006 A-2 1411-0059 Amery LF	12/06/2000	12/09/2000
421610	00069007 A-3 1411-0059 Amery LF	12/06/2000	12/09/2000
421611	00069008 B-1 1411-0059 Amery LF	12/06/2000	12/09/2000
421612	00069009 B-2 1411-0059 Amery LF	12/06/2000	12/09/2000
421613	00069010 C-1 1411-0059 Amery LF	12/06/2000	12/09/2000
421614	00069011 C-2 1411-0059 Amery LF	12/06/2000	12/09/2000
421615	00069012 D-1 1411-0059 Amery LF	12/06/2000	12/09/2000
421616	00069013 D-2 1411-0059 Amery LF	12/06/2000	12/09/2000
421617	00069014 E-1 1411-0059 Amery LF	12/06/2000	12/09/2000
421618	00069015 E-2 1411-0059 Amery LF	12/06/2000	12/09/2000

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

HW

ANALYTICAL AND QUALITY CONTROL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000

Job No: 00.10645

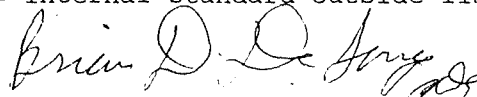
Page 2 of 87

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

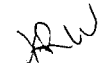
Sample Number	Sample Description	Date Taken	Date Received
421619	00069016 F-1 1411-0059 Amery LF	12/06/2000	12/09/2000
421620	00069017 F-2 1411-0059 Amery LF	12/06/2000	12/09/2000
421621	00069018 F-3 1411-0059 Amery LF	12/06/2000	12/09/2000
421622	00069019 G-1 1411-0059 Amery LF	12/06/2000	12/09/2000
421623	00069020 G-2 1411-0059 Amery LF	12/06/2000	12/09/2000
421624	00069021 G-3 1411-0059 Amery LF	12/06/2000	12/09/2000
421625	00069025 H-1 1411-0059 Amery LF	12/06/2000	12/09/2000
421626	00069025 H-1 Dup 1411-0059 Amer	12/06/2000	12/09/2000
421627	00069103 Ryan 1411-0059 Amery L	12/06/2000	12/09/2000
421628	00069101 Fouks 1411-0059 Amery	12/06/2000	12/09/2000
421629	00069102 Jackson 1411-0059 Amer	12/06/2000	12/09/2000

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
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F = Sample filtered in lab	G = Received past hold time
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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. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421604
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069001 MW-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 12:00

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
Groundwater Elev.	1065.20	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	44.25	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	Yes		n/a	n/a		12/06/2000	1874
Turbidity	Yes		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	87	mg/L	10	33	EPA 310.2	12/20/2000	859
Chloride, dissolved	8.8	mg/L	1.0	3.3	EPA 325.2	12/18/2000	1535
COD, dissolved	16	mg/L	3.8	14	EPA 410.4	12/13/2000	1646
Total Hardness, dissolved	160	mg/L	4.0	12	EPA 130.2	12/19/2000	713
N-Nitrate + Nitrite, Dissolved	8.3	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1154
Solids, Total Dissolved	240	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	30	mg/L	2.0	6.7	EPA 300.0	12/27/2000	850
Iron, Dissolved	0.099	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1656
Manganese, Dissolved	1.3	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1075
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421604
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069001 MW-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 12:00 Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Surr: Dibromofluoromethane	97.0	%		87-115	SW 8260B	12/16/2000	2247
Surr: Toluene-d8	96.4	%		86-111	SW 8260B	12/16/2000	2247
Surr: Bromofluorobenzene	95.4	%		90-109	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421604
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069001 MW-1 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 12:00

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
pH, Field	5.9	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	410	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421605
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069023 MW-2R 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 09:30 Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.70	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	27.00	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	Yes		n/a	n/a		12/06/2000	1874
Turbidity	Yes		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	160	mg/L	10	33	EPA 310.2	12/20/2000	859
Chloride, dissolved	7.7	mg/L	1.0	3.3	EPA 325.2	12/18/2000	1535
COD, dissolved	11	mg/L	3.8	14	EPA 410.4	12/13/2000	1646
Total Hardness, dissolved	230	mg/L	4.0	12	EPA 130.2	12/19/2000	713
N-Nitrate + Nitrite, Dissolved	2.0	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1154
Solids, Total Dissolved	280	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	14	mg/L	2.0	6.7	EPA 300.0	12/27/2000	850
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1656
Manganese, Dissolved	0.062	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1075
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421605
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069023 MW-2R 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 09:30 Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,2-Dichloroethene	0.33	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Tetrachloroethene	12	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1-Trichloroethane	1.1	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichloroethene	4.7	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Surr: Dibromofluoromethane	97.0	%		87-115	SW 8260B	12/16/2000	2247
Surr: Toluene-d8	97.6	%		86-111	SW 8260B	12/16/2000	2247
Surr: Bromofluorobenzene	95.2	%		90-109	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421605
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069023 MW-2R 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 09:30

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.6	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	450	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421606
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069024 MW-2AR 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 09:40

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1063.94	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	27.89	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	680	mg/L	10	33	EPA 310.2	12/20/2000	859
Chloride, dissolved	180	mg/L	1.0	3.3	EPA 325.2	12/18/2000	1535
COD, dissolved	38	mg/L	3.8	14	EPA 410.4	12/13/2000	1646
Total Hardness, dissolved	1,010	mg/L	4.0	12	EPA 130.2	12/19/2000	713
N-Nitrate + Nitrite, Dissolved	<0.024	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1154
Solids, Total Dissolved	1,500	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	240	mg/L	2.0	6.7	EPA 300.0	12/27/2000	850
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1656
Manganese, Dissolved	0.062	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1075
VOC - AQUEOUS - EPA 8260B							
Benzene	0.56	ug/L	0.10	0.33	SW 8260B	12/18/2000	2252
Bromobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Bromochloromethane	1.8	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Bromodichloromethane	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Bromoform	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Bromomethane	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
n-Butylbenzene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
sec-Butylbenzene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
tert-Butylbenzene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Carbon Tetrachloride	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Chlorobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Chlorodibromomethane	37	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Chloroethane	11	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Chloroform	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Chloromethane	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
2-Chlorotoluene	<0.40	ug/L	0.10	0.33	SW 8260B	12/18/2000	2252
4-Chlorotoluene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,2-Dibromo-3-Chloropropane	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,2-Dibromoethane (EDB)	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Dibromomethane	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,2-Dichlorobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,3-Dichlorobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,4-Dichlorobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Dichlorodifluoromethane	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421606
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069024 MW-2AR 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 09:40

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
1,1-Dichloroethane	22	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,2-Dichloroethane	1.2	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,1-Dichloroethene	23	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
cis-1,2-Dichloroethene	120	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
trans-1,2-Dichloroethene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,2-Dichloropropane	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,3-Dichloropropane	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
2,2-Dichloropropane	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,1-Dichloropropene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
cis-1,3-Dichloropropene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
trans-1,3-Dichloropropene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Di-isopropyl ether	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Ethylbenzene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Hexachlorobutadiene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Isopropylbenzene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
p-Isopropyltoluene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Methylene Chloride	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Methyl-t-butyl ether	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Naphthalene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
n-Propylbenzene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Styrene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,1,1,2-Tetrachloroethane	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,1,2,2-Tetrachloroethane	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Tetrachloroethene	88	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Toluene	<0.40	ug/L	0.10	0.33	SW 8260B	12/18/2000	2252
1,2,3-Trichlorobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,2,4-Trichlorobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,1,1-Trichloroethane	37	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,1,2-Trichloroethane	3.6	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Trichloroethene	97	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Trichlorofluoromethane	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,2,3-Trichloropropane	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,2,4-Trimethylbenzene	<0.40	ug/L	0.10	0.33	SW 8260B	12/18/2000	2252
1,3,5-Trimethylbenzene	<0.40	ug/L	0.10	0.33	SW 8260B	12/18/2000	2252
Vinyl Chloride	140	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Xylenes, Total	<1.0	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Surr: Dibromofluoromethane	96.2	%		87-115	SW 8260B	12/18/2000	2252
Surr: Toluene-d8	96.2	%		86-111	SW 8260B	12/18/2000	2252
Surr: Bromofluorobenzene	96.8	%		90-109	SW 8260B	12/18/2000	2252

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421606
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069024 MW-2AR 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 09:40

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.4	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	1,850	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421607
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069003 MW-3 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 11:35

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.97	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	10.63	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	300	mg/L	10	33	EPA 310.2	12/20/2000	859
Chloride, dissolved	14	mg/L	1.0	3.3	EPA 325.2	12/18/2000	1535
COD, dissolved	21	mg/L	3.8	14	EPA 410.4	12/13/2000	1646
Total Hardness, dissolved	300	mg/L	4.0	12	EPA 130.2	12/19/2000	713
N-Nitrate + Nitrite, Dissolved	<0.024	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1154
Solids, Total Dissolved	410	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	5.9	mg/L	2.0	6.7	EPA 300.0	12/27/2000	850
Iron, Dissolved	9.4	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1656
Manganese, Dissolved	3.6	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/18/2000	2252
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/18/2000	2252
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421607
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069003 MW-3 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 11:35

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/18/2000	2252
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/18/2000	2252
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/18/2000	2252
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/18/2000	2252
Surr: Dibromofluoromethane	96.6	%		87-115	SW 8260B	12/18/2000	2252
Surr: Toluene-d8	95.4	%		86-111	SW 8260B	12/18/2000	2252
Surr: Bromofluorobenzene	96.8	%		90-109	SW 8260B	12/18/2000	2252

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421607
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069003 MW-3 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 11:35

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.6	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	670	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 504 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421608
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069005 A-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 10:00

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.37	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	6.40	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	<50	mg/L	10	33	EPA 310.2	12/20/2000	859
Chloride, dissolved	<5.0	mg/L	1.0	3.3	EPA 325.2	12/18/2000	1535
COD, dissolved	31	mg/L	3.8	14	EPA 410.4	12/13/2000	1646
Total Hardness, dissolved	60	mg/L	4.0	12	EPA 130.2	12/19/2000	713
N-Nitrate + Nitrite, Dissolved	<0.024	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1154
Solids, Total Dissolved	88	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	3.8	mg/L	2.0	6.7	EPA 300.0	12/27/2000	850
Iron, Dissolved	0.58	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1656
Manganese, Dissolved	0.97	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421608
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069005 A-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 10:00

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Surr: Dibromofluoromethane	96.8	%		87-115	SW 8260B	12/16/2000	2247
Surr: Toluene-d8	96.4	%		86-111	SW 8260B	12/16/2000	2247
Surr: Bromofluorobenzene	93.8	%		90-109	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421608
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069005 A-1 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 10:00

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.9	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	60	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421609
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069006 A-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 10:22

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.39	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	6.41	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	130	mg/L	10	33	EPA 310.2	12/20/2000	859
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	12/18/2000	1535
COD, dissolved	9.4	mg/L	3.8	14	EPA 410.4	12/13/2000	1646
Total Hardness, dissolved	140	mg/L	4.0	12	EPA 130.2	12/19/2000	713
N-Nitrate + Nitrite, Dissolved	<0.024	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1154
Solids, Total Dissolved	170	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	6.0	mg/L	2.0	6.7	EPA 300.0	12/27/2000	850
Iron, Dissolved	0.036	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1656
Manganese, Dissolved	0.83	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421609
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069006 A-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 10:22

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Surr: Dibromofluoromethane	97.2	%		87-115	SW 8260B	12/16/2000	2247
Surr: Toluene-d8	95.8	%		86-111	SW 8260B	12/16/2000	2247
Surr: Bromofluorobenzene	93.8	%		90-109	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421609
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069006 A-2 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 10:22

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.2	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	280	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421610
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069007 A-3 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 10:10

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
Groundwater Elev.	1064.37	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	6.37	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	120	mg/L	10	33	EPA 310.2	12/20/2000	859
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	12/18/2000	1535
COD, dissolved	8.4	mg/L	3.8	14	EPA 410.4	12/13/2000	1646
Total Hardness, dissolved	160	mg/L	4.0	12	EPA 130.2	12/19/2000	713
N-Nitrate + Nitrite, Dissolved	<0.024	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1154
Solids, Total Dissolved	190	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	5.2	mg/L	2.0	6.7	EPA 300.0	12/27/2000	850
Iron, Dissolved	0.19	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1656
Manganese, Dissolved	0.44	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421610
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069007 A-3 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 10:10

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Surr: Dibromofluoromethane	96.6	%		87-115	SW 8260B	12/16/2000	2247
Surr: Toluene-d8	97.0	%		86-111	SW 8260B	12/16/2000	2247
Surr: Bromofluorobenzene	94.8	%		90-109	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421610
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069007 A-3 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 10:10

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
pH, Field	7.1	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	270	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421611
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069008 B-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 10:50

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.19	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	30.56	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	54	mg/L	10	33	EPA 310.2	12/20/2000	859
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	12/18/2000	1535
COD, dissolved	29	mg/L	3.8	14	EPA 410.4	12/13/2000	1646
Total Hardness, dissolved	50	mg/L	4.0	12	EPA 130.2	12/19/2000	713
N-Nitrate + Nitrite, Dissolved	<0.024	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1154
Solids, Total Dissolved	350	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	3.4	mg/L	2.0	6.7	EPA 300.0	12/27/2000	850
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1656
Manganese, Dissolved	0.35	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421611
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069008 B-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 10:50

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Surr: Dibromofluoromethane	96.4	%		87-115	SW 8260B	12/16/2000	2247
Surr: Toluene-d8	97.0	%		86-111	SW 8260B	12/16/2000	2247
Surr: Bromofluorobenzene	94.6	%		90-109	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421611
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069008 B-1 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 10:50

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.1	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	130	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421612
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069009 B-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 11:00 Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.13	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	30.62	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	Yes		n/a	n/a		12/06/2000	1874
Turbidity	Yes		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	300	mg/L	10	33	EPA 310.2	12/20/2000	859
Chloride, dissolved	28	mg/L	1.0	3.3	EPA 325.2	12/18/2000	1535
COD, dissolved	23	mg/L	3.8	14	EPA 410.4	12/13/2000	1647
Total Hardness, dissolved	440	mg/L	4.0	12	EPA 130.2	12/19/2000	713
N-Nitrate + Nitrite, Dissolved	<0.024	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1154
Solids, Total Dissolved	560	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	64	mg/L	2.0	6.7	EPA 300.0	12/27/2000	850
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1656
Manganese, Dissolved	0.24	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421612
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069009 B-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 11:00

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	1.4	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,2-Dichloroethene	8.3	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Tetrachloroethene	11	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichloroethene	7.9	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Vinyl Chloride	8.4	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Surr: Dibromofluoromethane	95.8	%		87-115	SW 8260B	12/16/2000	2247
Surr: Toluene-d8	95.8	%		86-111	SW 8260B	12/16/2000	2247
Surr: Bromofluorobenzene	94.4	%		90-109	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421612
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069009 B-2 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 11:00

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.9	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	830	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421613
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069010 C-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 12:40

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.69	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	29.81	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	12/20/2000	859
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	12/18/2000	1535
COD, dissolved	<3.8	mg/L	3.8	14	EPA 410.4	12/13/2000	1647
Total Hardness, dissolved	120	mg/L	4.0	12	EPA 130.2	12/19/2000	713
N-Nitrate + Nitrite, Dissolved	1.4	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1154
Solids, Total Dissolved	150	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	4.4	mg/L	2.0	6.7	EPA 300.0	12/27/2000	850
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1656
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421613
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069010 C-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 12:40

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Surr: Dibromofluoromethane	96.6	%		87-115	SW 8260B	12/16/2000	2247
Surr: Toluene-d8	97.8	%		86-111	SW 8260B	12/16/2000	2247
Surr: Bromofluorobenzene	95.8	%		90-109	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421613
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069010 C-1 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 12:40

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.8	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	190	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421614
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069011 C-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 13:00 Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.30	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	30.01	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	60	mg/L	10	33	EPA 310.2	12/20/2000	859
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	12/26/2000	1536
COD, dissolved	3.9	mg/L	3.8	14	EP. 410.4	12/13/2000	1647
Total Hardness, dissolved	140	mg/L	4.0	12	EPA 130.2	12/19/2000	713
N-Nitrate + Nitrite, Dissolved	0.81	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1154
Solids, Total Dissolved	150	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	4.9	mg/L	2.0	6.7	EPA 300.0	12/28/2000	851
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1656
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421614
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069011 C-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 13:00

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Tetrachloroethene	0.35	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Surr: Dibromofluoromethane	96.4	%		87-115	SW 8260B	12/16/2000	2247
Surr: Toluene-d8	97.0	%		86-111	SW 8260B	12/16/2000	2247
Surr: Bromofluorobenzene	94.8	%		90-109	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421614
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069011 C-2 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 13:00

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.4	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	200	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421615
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069012 D-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 15:00

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.10	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	8.11	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	12/20/2000	859
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	12/26/2000	1536
COD, dissolved	<3.8	mg/L	3.8	14	EPA 410.4	12/13/2000	1647
Total Hardness, dissolved	20	mg/L	4.0	12	EPA 130.2	12/21/2000	714
N-Nitrate + Nitrite, Dissolved	0.21	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1155
Solids, Total Dissolved	57	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	2.5	mg/L	2.0	6.7	EPA 300.0	12/28/2000	851
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1656
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421615
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069012 D-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 15:00

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Surr: Dibromofluoromethane	97.0	%		87-115	SW 8260B	12/16/2000	2247
Surr: Toluene-d8	96.4	%		86-111	SW 8260B	12/16/2000	2247
Surr: Bromofluorobenzene	94.2	%		90-109	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421615
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069012 D-1 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 15:00

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.3	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	40	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421616
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069013 D-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 14:55

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1063.82	MSL	n/a	n/a		12/06/2000	1899
Depth to BW	8.43	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	12/20/2000	859
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	12/26/2000	1536
COD, dissolved	12	mg/L	3.8	14	EPA 410.4	12/13/2000	1647
Total Hardness, dissolved	20	mg/L	4.0	12	EPA 130.2	12/21/2000	714
N-Nitrate + Nitrite, Dissolved	0.39	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1155
Solids, Total Dissolved	99	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	4.2	mg/L	2.0	6.7	EPA 300.0	12/28/2000	851
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1656
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421616
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069013 D-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 14:55

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Surr: Dibromofluoromethane	96.2	%		87-115	SW 8260B	12/16/2000	2247
Surr: Toluene-d8	96.8	%		86-111	SW 8260B	12/16/2000	2247
Surr: Bromofluorobenzene	94.4	%		90-109	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421616
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069013 D-2 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 14:55

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.7	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	70	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421617
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069014 E-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 14:25

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1063.99	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	19.98	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	12/20/2000	860
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	12/26/2000	1536
COD, dissolved	9.1	mg/L	3.8	14	EPA 410.4	12/13/2000	1647
Total Hardness, dissolved	40	mg/L	4.0	12	EPA 130.2	12/21/2000	714
N-Nitrate + Nitrite, Dissolved	0.17	mg/L	0.024	0.084	EP* 353.2	12/18/2000	1155
Solids, Total Dissolved	110	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	5.8	mg/L	2.0	6.7	EPA 300.0	12/28/2000	851
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1656
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421617
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069014 E-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 14:25 Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Surr: Dibromofluoromethane	94.8	%		87-115	SW 8260B	12/16/2000	2247
Surr: Toluene-d8	96.8	%		86-111	SW 8260B	12/16/2000	2247
Surr: Bromofluorobenzene	93.8	%		90-109	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421617
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069014 E-1 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 14:25

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.6	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	110	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421618
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069015 E-2 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 14:20

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
Groundwater Elev.	1063.56	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	20.87	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	71	mg/L	10	33	EPA 310.2	12/20/2000	860
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	12/26/2000	1536
COD, dissolved	18	mg/L	3.8	14	EPA 410.4	12/13/2000	1647
Total Hardness, dissolved	250	mg/L	4.0	12	EPA 130.2	12/21/2000	714
N-Nitrate + Nitrite, Dissolved	<0.024	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1155
Solids, Total Dissolved	140	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	<2.0	mg/L	2.0	6.7	EPA 300.0	12/28/2000	851
Iron, Dissolved	22	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1656
Manganese, Dissolved	0.45	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421618
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069015 E-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 14:20

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Surr: Dibromofluoromethane	95.8	%		87-115	SW 8260B	12/16/2000	2247
Surr: Toluene-d8	95.4	%		86-111	SW 8260B	12/16/2000	2247
Surr: Bromofluorobenzene	94.0	%		90-109	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421618
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069015 E-2 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 14:20

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.6	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	210	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421619
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069016 F-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 15:50

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.37	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	7.31	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	12/20/2000	860
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	12/26/2000	1536
COD, dissolved	14	mg/L	3.8	14	EPA 410.4	12/13/2000	1647
Total Hardness, dissolved	40	mg/L	4.0	12	EPA 130.2	12/21/2000	714
N-Nitrate + Nitrite, Dissolved	1.6	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1155
Solids, Total Dissolved	91	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	5.3	mg/L	2.0	6.7	EPA 300.0	12/28/2000	851
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1656
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421619
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069016 F-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 15:50

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Surr: Dibromofluoromethane	95.6	%		87-115	SW 8260B	12/16/2000	2247
Surr: Toluene-d8	96.4	%		86-111	SW 8260B	12/16/2000	2247
Surr: Bromofluorobenzene	93.4	%		90-109	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421619
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069016 F-1 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 15:50

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.2	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	9.0	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421620
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069017 F-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 15:43 Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1063.62	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	8.10	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	150	mg/L	10	33	EPA 310.2	12/20/2000	860
Chloride, dissolved	11	mg/L	1.0	3.3	EPA 325.2	12/26/2000	1536
COD, dissolved	5.2	mg/L	3.8	14	EPA 410.4	12/13/2000	1647
Total Hardness, dissolved	100	mg/L	4.0	12	EPA 130.2	12/21/2000	714
N-Nitrate + Nitrite, Dissolved	<0.024	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1155
Solids, Total Dissolved	220	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	7.1	mg/L	2.0	6.7	EPA 300.0	12/28/2000	851
Iron, Dissolved	1.8	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1656
Manganese, Dissolved	0.24	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421620
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069017 F-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 15:43

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	0.37	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloroethene	0.48	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,2-Dichloroethene	3.5	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Tetrachloroethene	0.84	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichloroethene	2.2	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Vinyl Chloride	1.5	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Surr: Dibromofluoromethane	94.4	%		87-115	SW 8260B	12/16/2000	2247
Surr: Toluene-d8	96.2	%		86-111	SW 8260B	12/16/2000	2247
Surr: Bromofluorobenzene	93.0	%		90-109	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421620
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069017 F-2 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 15:43

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.4	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	270	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421621
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069018 F-3 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 15:32

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1063.63	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	8.48	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	140	mg/L	10	33	EPA 310.2	12/20/2000	860
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	12/26/2000	1536
COD, dissolved	3.9	mg/L	3.8	14	EPA 410.4	12/13/2000	1647
Total Hardness, dissolved	80	mg/L	4.0	12	EPA 130.2	12/21/2000	714
N-Nitrate + Nitrite, Dissolved	0.093	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1155
Solids, Total Dissolved	210	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	7.4	mg/L	2.0	6.7	EPA 300.0	12/28/2000	851
Iron, Dissolved	0.23	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1656
Manganese, Dissolved	0.042	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421621
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069018 F-3 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 15:32 Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Tetrachloroethene	1.3	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichloroethene	0.67	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2247
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2247
Surr: Dibromofluoromethane	91.2	%		87-115	SW 8260B	12/16/2000	2247
Surr: Toluene-d8	97.6	%		86-111	SW 8260B	12/16/2000	2247
Surr: Bromofluorobenzene	C 88.4	%		90-109	SW 8260B	12/16/2000	2247

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421621
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069018 F-3 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 15:32

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.2	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	270	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421622
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069019 G-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 13:50

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.39	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	7.78	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO ₃)	D <50	mg/L	10	33	EPA 310.2	12/20/2000	860
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	12/26/2000	1536
COD, dissolved	10	mg/L	3.8	14	EPA 410.4	12/13/2000	1647
Total Hardness, dissolved	50	mg/L	4.0	12	EPA 130.2	12/21/2000	714
N-Nitrate + Nitrite, Dissolved	1.2	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1155
Solids, Total Dissolved	89	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	3.4	mg/L	2.0	6.7	EPA 300.0	12/28/2000	851
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1657
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2000	2249
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2000	2249
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421622
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069019 G-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 13:50

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2000	2249
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2000	2249
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/17/2000	2249
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/17/2000	2249
Surr: Dibromofluoromethane	96.6	%		87-115	SW 8260B	12/17/2000	2249
Surr: Toluene-d8	97.2	%		86-111	SW 8260B	12/17/2000	2249
Surr: Bromofluorobenzene	97.2	%		90-109	SW 8260B	12/17/2000	2249

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421622
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069019 G-1 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 13:50

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
pH, Field	6.8	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	100	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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 Job No: 00.10645
 Sample No: 421623
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069020 G-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 13:45 Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1063.24	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	8.80	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	54	mg/L	10	33	EPA 310.2	12/20/2000	860
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	12/26/2000	1536
COD, dissolved	11	mg/L	3.8	14	EPA 410.4	12/13/2000	1647
Total Hardness, dissolved	80	mg/L	4.0	12	EPA 130.2	12/21/2000	714
N-Nitrate + Nitrite, Dissolved	<0.024	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1155
Solids, Total Dissolved	160	mg/L	1.0	3.3	EPA 160.1	12/13/2000	849
Sulfate, Diss., IC	<2.0	mg/L	2.0	6.7	EPA 300.0	12/28/2000	851
Iron, Dissolved	0.86	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1657
Manganese, Dissolved	0.23	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421623
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069020 G-2 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 13:45

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Surr: Dibromofluoromethane	108.2	%		87-115	SW 8260B	12/16/2000	2248
Surr: Toluene-d8	99.6	%		86-111	SW 8260B	12/16/2000	2248
Surr: Bromofluorobenzene	96.8	%		90-109	SW 8260B	12/16/2000	2248

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421623
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069020 G-2 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 13:45

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.7	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	140	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421624
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069021 G-3 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 13:33

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1063.32	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	8.39	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	150	mg/L	10	33	EPA 310.2	12/20/2000	860
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	12/26/2000	1536
COD, dissolved	4.8	mg/L	3.8	14	EPA 410.4	12/13/2000	1647
Total Hardness, dissolved	180	mg/L	4.0	12	EPA 130.2	12/21/2000	714
N-Nitrate + Nitrite, Dissolved	<0.024	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1155
Solids, Total Dissolved	240	mg/L	1.0	3.3	EPA 160.1	12/13/2000	850
Sulfate, Diss., IC	5.4	mg/L	2.0	6.7	EPA 300.0	12/28/2000	851
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1657
Manganese, Dissolved	0.082	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421624
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069021 G-3 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 13:33

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Surr: Dibromofluoromethane	105.8	%		87-115	SW 8260B	12/16/2000	2248
Surr: Toluene-d8	99.2	%		86-111	SW 8260B	12/16/2000	2248
Surr: Bromofluorobenzene	96.8	%		90-109	SW 8260B	12/16/2000	2248

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421624
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069021 G-3 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 13:33

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.9	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	270	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421625
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069025 H-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 16:20

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.20	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	4.82	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	130	mg/L	10	33	EPA 310.2	12/20/2000	860
Chloride, dissolved	5.9	mg/L	1.0	3.3	EPA 325.2	12/26/2000	1536
COD, dissolved	4.5	mg/L	3.8	14	EPA 410.4	12/13/2000	1647
Total Hardness, dissolved	200	mg/L	4.0	12	EPA 130.2	12/21/2000	714
N-Nitrate + Nitrite, Dissolved	<0.024	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1155
Solids, Total Dissolved	240	mg/L	1.0	3.3	EPA 160.1	12/13/2000	850
Sulfate, Diss., IC	6.2	mg/L	2.0	6.7	EPA 300.0	12/28/2000	851
Iron, Dissolved	1.2	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1657
Manganese, Dissolved	0.20	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421625
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069025 H-1 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 16:20

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	0.49	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1-Dichloroethene	0.46	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
cis-1,2-Dichloroethene	2.7	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Trichloroethene	0.99	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
Vinyl Chloride	0.76	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Surr: Dibromofluoromethane	107.4	µ		87-115	SW 8260B	12/16/2000	2248
Surr: Toluene-d8	99.2	µ		86-111	SW 8260B	12/16/2000	2248
Surr: Bromofluorobenzene	96.6	µ		90-109	SW 8260B	12/16/2000	2248

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421625
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069025 H-1 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 16:20

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
pH, Field	7.4	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	270	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421626
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069025 H-1 Dup 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 16:20

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.20	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	4.82	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1-Dichloroethene	0.37	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
cis-1,2-Dichloroethene	2.7	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421626
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069025 H-1 Dup 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 16:20

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Trichloroethene	1.0	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
Vinyl Chloride	0.85	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Surr: Dibromofluoromethane	109.0	%		87-115	SW 8260B	12/16/2000	2248
Surr: Toluene-d8	99.6	%		86-111	SW 8260B	12/16/2000	2248
Surr: Bromofluorobenzene	96.6	%		90-109	SW 8260B	12/16/2000	2248
pH, Field	7.4	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	270	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421627
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069103 Ryan 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 16:30

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	NA	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	NA	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	68	mg/L	10	33	EPA 310.2	12/20/2000	860
Chloride, dissolved	6.6	mg/L	1.0	3.3	EPA 325.2	12/26/2000	1536
COD, dissolved	4.2	mg/L	3.8	14	EPA 410.4	12/13/2000	1647
Total Hardness, dissolved	100	mg/L	4.0	12	EPA 130.2	12/21/2000	714
N-Nitrate + Nitrite, Dissolved	2.3	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1155
Solids, Total Dissolved	190	mg/L	1.0	3.3	EPA 160.1	12/13/2000	850
Sulfate, Diss., IC	7.0	mg/L	2.0	6.7	EPA 300.0	12/28/2000	851
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1657
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421627
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069103 Ryan 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 16:30

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Surr: Dibromofluoromethane	108.8	%		87-115	SW 8260B	12/16/2000	2248
Surr: Toluene-d8	98.8	%		86-111	SW 8260B	12/16/2000	2248
Surr: Bromofluorobenzene	96.4	%		90-109	SW 8260B	12/16/2000	2248

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421627
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069103 Ryan 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 16:30

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
pH, Field	6.9	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	180	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421628
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069101 Fouks 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 12:25

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	NA	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	NA	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	110	mg/L	10	33	EPA 310.2	12/20/2000	860
Chloride, dissolved	7.4	mg/L	1.0	3.3	EPA 325.2	12/26/2000	1536
COD, dissolved	7.4	mg/L	3.8	14	EPA 410.4	12/13/2000	1647
Total Hardness, dissolved	170	mg/L	4.0	12	EPA 130.2	12/21/2000	714
N-Nitrate + Nitrite, Dissolved	3.7	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1155
Solids, Total Dissolved	250	mg/L	1.0	3.3	EPA 160.1	12/13/2000	850
Sulfate, Diss., IC	6.8	mg/L	2.0	6.7	EPA 300.0	12/28/2000	851
Iron, Dissolved	0.049	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1657
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421628
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069101 Fouks 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 12:25

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Surr: Dibromofluoromethane	109.8	%		87-115	SW 8260B	12/16/2000	2248
Surr: Toluene-d8	97.6	%		86-111	SW 8260B	12/16/2000	2248
Surr: Bromofluorobenzene	95.6	%		90-109	SW 8260B	12/16/2000	2248

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421628
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069101 Fouks 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 12:25

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.8	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	330	umhos/cm	n/a	n/a		12/06/2000	1744

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421629
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069102 Jackson 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 12:15 Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	NA	MSL	n/a	n/a		12/06/2000	1899
Depth to GW	NA	Feet	n/a	n/a		12/06/2000	1857
Odor	No		n/a	n/a		12/06/2000	1878
Color	No		n/a	n/a		12/06/2000	1874
Turbidity	No		n/a	n/a		12/06/2000	1798
T. Alkalinity, diss. (CaCO3)	140	mg/L	10	33	EPA 310.2	12/20/2000	860
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	12/26/2000	1536
COD, dissolved	7.1	mg/L	3.8	14	EPA 410.4	12/13/2000	1647
Total Hardness, dissolved	160	mg/L	4.0	12	EPA 130.2	12/21/2000	714
N-Nitrate + Nitrite, Dissolved	0.13	mg/L	0.024	0.084	EPA 353.2	12/18/2000	1155
Solids, Total Dissolved	260	mg/L	1.0	3.3	EPA 160.1	12/13/2000	850
Sulfate, Diss., IC	3.9	mg/L	2.0	6.7	EPA 300.0	12/28/2000	851
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	12/19/2000	1657
Manganese, Dissolved	0.013	mg/L	0.0086	0.030	EPA 243.1	12/15/2000	1076
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000
 Job No: 00.10645
 Sample No: 421629
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069102 Jackson 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 12/06/2000 12:15 Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	12/16/2000	2248
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	12/16/2000	2248
Surr: Dibromofluoromethane	109.2	%		87-115	SW 8260B	12/16/2000	2248
Surr: Toluene-d8	99.0	%		86-111	SW 8260B	12/16/2000	2248
Surr: Bromofluorobenzene	96.2	%		90-109	SW 8260B	12/16/2000	2248

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000
Job No: 00.10645
Sample No: 421629
Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069102 Jackson 1411-0059 Amery LF
Rec'd on ice

Date/Time Taken: 12/06/2000 12:15

Date Received: 12/09/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
pH, Field	7.3	units	n/a	n/a	EPA 150.1	12/06/2000	2237
Field Conductivity @ 25 C	390	umhos/cm	n/a	n/a		12/06/2000	1744

QUALITY CONTROL REPORT

BLANKS

12/28/2000

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

Job No: 00.10645
Account No: 13800

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Job Description: 1411-0059-304-01 Amery LF

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
T. Alkalinity, diss. (CaCO ₃)		859	<10	10	33	mg/L
T. Alkalinity, diss. (CaCO ₃)		860	<10	10	33	mg/L
Chloride, dissolved		1535	<1.0	1.0	3.3	mg/L
Chloride, dissolved		1536	<1.0	1.0	3.3	mg/L
Total Hardness, dissolved		713	<4.0	4.0	12	mg/L
Total Hardness, dissolved		713	<4.0	4.0	12	mg/L
Total Hardness, dissolved		714	<4.0	4.0	12	mg/L
Total Hardness, dissolved		714	<4.0	4.0	12	mg/L
N-Nitrate + Nitrite, Dissolved		1154	<0.024	0.024	0.084	mg/L
N-Nitrate + Nitrite, Dissolved		1155	<0.024	0.024	0.084	mg/L
Sulfate, Diss., IC		850	<2.0	2.0	6.7	mg/L
Iron, Dissolved		1656	<0.024	0.024	0.085	mg/L
Iron, Dissolved		1657	<0.024	0.024	0.085	mg/L
Manganese, Dissolved		1075	<0.0086	0.0086	0.030	mg/L
Manganese, Dissolved		1076	<0.0086	0.0086	0.030	mg/L
VOC - AQUEOUS - EPA 8260B						
Benzene		2247	<0.10	0.10	0.33	ug/L
Bromobenzene		2247	<0.25	0.25	0.83	ug/L
Bromochloromethane		2247	<0.25	0.25	0.83	ug/L
Bromodichloromethane		2247	<0.25	0.25	0.83	ug/L
Bromoform		2247	<0.25	0.25	0.83	ug/L
Bromomethane		2247	<0.25	0.25	0.83	ug/L
n-Butylbenzene		2247	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		2247	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		2247	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		2247	<0.25	0.25	0.83	ug/L
Chlorobenzene		2247	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		2247	<0.25	0.25	0.83	ug/L
Chloroethane		2247	<0.25	0.25	0.83	ug/L
Chloroform		2247	<0.25	0.25	0.83	ug/L
Chloromethane		2247	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		2247	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		2247	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		2247	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		2247	<0.25	0.25	0.83	ug/L
Dibromomethane		2247	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		2247	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000

Job No: 00.10645
 Account No: 13800

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Job Description: 1411-0059-304-01 Amery LF

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
1,3-Dichlorobenzene		2247	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		2247	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		2247	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		2247	<0.25	0.25	0.83	ug/L
1,2-Dichloroethane		2247	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		2247	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		2247	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		2247	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		2247	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		2247	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		2247	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		2247	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		2247	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		2247	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		2247	<0.25	0.25	0.83	ug/L
Ethylbenzene		2247	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		2247	<0.25	0.25	0.83	ug/L
Isopropylbenzene		2247	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		2247	<0.25	0.25	0.83	ug/L
Methylene Chloride		2247	<0.25	0.25	0.83	ug/L
Methyl-t-butyl ether		2247	<0.25	0.25	0.83	ug/L
Naphthalene		2247	<0.25	0.25	0.83	ug/L
n-Propylbenzene		2247	<0.25	0.25	0.83	ug/L
Styrene		2247	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		2247	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		2247	<0.25	0.25	0.83	ug/L
Tetrachloroethene		2247	<0.25	0.25	0.83	ug/L
Toluene		2247	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		2247	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		2247	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		2247	<0.25	0.25	0.83	ug/L
1,1,2-Trichloroethane		2247	<0.25	0.25	0.83	ug/L
Trichloroethene		2247	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		2247	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		2247	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		2247	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		2247	<0.10	0.10	0.33	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

12/28/2000

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

Job No: 00.10645
Account No: 13800

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Job Description: 1411-0059-304-01 Amery LF

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Vinyl Chloride		2247	<0.25	0.25	0.83	ug/L
Xylenes, Total		2247	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		2247	96.6		87-115	%
Surr: Toluene-d8		2247	96.2		86-111	%
Surr: Bromofluorobenzene		2247	95.4		90-109	%
VOC - AQUEOUS - EPA 8260B						
Benzene		2248	<0.10	0.10	0.33	ug/L
Bromobenzene		2248	<0.25	0.25	0.83	ug/L
Bromochloromethane		2248	<0.25	0.25	0.83	ug/L
Bromodichloromethane		2248	<0.25	0.25	0.83	ug/L
Bromoform		2248	<0.25	0.25	0.83	ug/L
Bromomethane		2248	<0.25	0.25	0.83	ug/L
n-Butylbenzene		2248	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		2248	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		2248	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		2248	<0.25	0.25	0.83	ug/L
Chlorobenzene		2248	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		2248	<0.25	0.25	0.83	ug/L
Chloroethane		2248	<0.25	0.25	0.83	ug/L
Chloroform		2248	<0.25	0.25	0.83	ug/L
Chloromethane		2248	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		2248	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		2248	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		2248	<0.25	0.25	0.83	ug/L
1,2-Dibromomethane (EDB)		2248	<0.25	0.25	0.83	ug/L
Dibromomethane		2248	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		2248	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		2248	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		2248	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		2248	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		2248	<0.25	0.25	0.83	ug/L
1,2-Dichloroethane		2248	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		2248	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		2248	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		2248	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		2248	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		2248	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT BLANKS

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000

Job No: 00.10645
Account No: 13800

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Job Description: 1411-0059-304-01 Amery LF

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
2,2-Dichloropropane		2248	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		2248	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		2248	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		2248	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		2248	<0.25	0.25	0.83	ug/L
Ethylbenzene		2248	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		2248	<0.25	0.25	0.83	ug/L
Isopropylbenzene		2248	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		2248	<0.25	0.25	0.83	ug/L
Methylene Chloride		2248	<0.25	0.25	0.83	ug/L
Methyl-t-butyl ether		2248	<0.25	0.25	0.83	ug/L
Naphthalene		2248	<0.25	0.25	0.83	ug/L
n-Propylbenzene		2248	<0.25	0.25	0.83	ug/L
Styrene		2248	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		2248	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		2248	<0.25	0.25	0.83	ug/L
Tetrachloroethene		2248	<0.25	0.25	0.83	ug/L
Toluene		2248	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		2248	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		2248	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		2248	<0.25	0.25	0.83	ug/L
1,1,2-Trichloroethane		2248	<0.25	0.25	0.83	ug/L
Trichloroethene		2248	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		2248	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		2248	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		2248	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		2248	<0.10	0.10	0.33	ug/L
Vinyl Chloride		2248	<0.25	0.25	0.83	ug/L
Xylenes, Total		2248	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		2248	105.6		87-115	%
Surr: Toluene-d8		2248	100.4		86-111	%
Surr: Bromofluorobenzene		2248	97.2		90-109	%
VOC - AQUEOUS - EPA 8260B						
Benzene		2249	<0.10	0.10	0.33	ug/L
Bromobenzene		2249	<0.25	0.25	0.83	ug/L
Bromochloromethane		2249	<0.25	0.25	0.83	ug/L
Bromodichloromethane		2249	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

12/28/2000

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

Job No: 00.10645

Account No: 13800

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Job Description: 1411-0059-304-01 Amery LF

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Bromoform		2249	<0.25	0.25	0.83	ug/L
Bromomethane		2249	<0.25	0.25	0.83	ug/L
n-Butylbenzene		2249	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		2249	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		2249	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		2249	<0.25	0.25	0.83	ug/L
Chlorobenzene		2249	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		2249	<0.25	0.25	0.83	ug/L
Chloroethane		2249	<0.25	0.25	0.83	ug/L
Chloroform		2249	<0.25	0.25	0.83	ug/L
Chloromethane		2249	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		2249	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		2249	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		2249	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		2249	<0.25	0.25	0.83	ug/L
Dibromomethane		2249	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		2249	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		2249	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		2249	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		2249	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		2249	<0.25	0.25	0.83	ug/L
1,2-Dichloroethane		2249	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		2249	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		2249	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		2249	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		2249	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		2249	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		2249	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		2249	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		2249	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		2249	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		2249	<0.25	0.25	0.83	ug/L
Ethylbenzene		2249	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		2249	<0.25	0.25	0.83	ug/L
Isopropylbenzene		2249	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		2249	<0.25	0.25	0.83	ug/L
Methylene Chloride		2249	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

12/28/2000

Job No: 00.10645
 Account No: 13800

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Job Description: 1411-0059-304-01 Amery LF

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Methyl-t-butyl ether		2249	<0.25	0.25	0.83	ug/L
Naphthalene		2249	<0.25	0.25	0.83	ug/L
n-Propylbenzene		2249	<0.25	0.25	0.83	ug/L
Styrene		2249	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		2249	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		2249	<0.25	0.25	0.83	ug/L
Tetrachloroethene		2249	<0.25	0.25	0.83	ug/L
Toluene		2249	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		2249	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		2249	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		2249	<0.25	0.25	0.83	ug/L
1,1,2-Trichloroethane		2249	<0.25	0.25	0.83	ug/L
Trichloroethene		2249	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		2249	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		2249	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		2249	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		2249	<0.10	0.10	0.33	ug/L
Vinyl Chloride		2249	<0.25	0.25	0.83	ug/L
Xylenes, Total		2249	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		2249	96.4		87-115	%
Surr: Toluene-d8		2249	95.8		86-111	%
Surr: Bromofluorobenzene		2249	96.0		90-109	%
VOC - AQUEOUS - EPA 8260B						
Benzene		2252	<0.10	0.10	0.33	ug/L
Bromobenzene		2252	<0.25	0.25	0.83	ug/L
Bromochloromethane		2252	<0.25	0.25	0.83	ug/L
Bromodichloromethane		2252	<0.25	0.25	0.83	ug/L
Bromoform		2252	<0.25	0.25	0.83	ug/L
Bromomethane		2252	<0.25	0.25	0.83	ug/L
n-Butylbenzene		2252	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		2252	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		2252	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		2252	<0.25	0.25	0.83	ug/L
Chlorobenzene		2252	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		2252	<0.25	0.25	0.83	ug/L
Chloroethane		2252	<0.25	0.25	0.83	ug/L
Chloroform		2252	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

12/28/2000

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

Job No: 00.10645
Account No: 13800

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Job Description: 1411-0059-304-01 Amery LF

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Chloromethane		2252	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		2252	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		2252	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		2252	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		2252	<0.25	0.25	0.83	ug/L
Dibromomethane		2252	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		2252	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		2252	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		2252	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		2252	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		2252	<0.25	0.25	0.83	ug/L
1,2-Dichloroethane		2252	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		2252	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		2252	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		2252	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		2252	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		2252	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		2252	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		2252	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		2252	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		2252	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		2252	<0.25	0.25	0.83	ug/L
Ethylbenzene		2252	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		2252	<0.25	0.25	0.83	ug/L
Isopropylbenzene		2252	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		2252	<0.25	0.25	0.83	ug/L
Methylene Chloride		2252	<0.25	0.25	0.83	ug/L
Methyl-t-butyl ether		2252	<0.25	0.25	0.83	ug/L
Naphthalene		2252	<0.25	0.25	0.83	ug/L
n-Propylbenzene		2252	<0.25	0.25	0.83	ug/L
Styrene		2252	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		2252	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		2252	<0.25	0.25	0.83	ug/L
Tetrachloroethene		2252	<0.25	0.25	0.83	ug/L
Toluene		2252	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		2252	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		2252	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT BLANKS

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

12/28/2000

Job No: 00.10645
Account No: 13800

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Job Description: 1411-0059-304-01 Amery LF

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
1,1,1-Trichloroethane		2252	<0.25	0.25	0.83	ug/L
1,1,2-Trichloroethane		2252	<0.25	0.25	0.83	ug/L
Trichloroethene		2252	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		2252	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		2252	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		2252	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		2252	<0.10	0.10	0.33	ug/L
Vinyl Chloride		2252	<0.25	0.25	0.83	ug/L
Xylenes, Total		2252	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		2252	96.2		87-115	%
Surr: Toluene-d8		2252	96.6		86-111	%
Surr: Bromofluorobenzene		2252	98.0		90-109	%

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

Facility/Well	DNR Code	Test Name	Dup?	Result	Flags	MDL	LOQ	Sample #	Exceedance?
00069023	00631	NITRITE PLUS NITRATE, DIS. 1 DET. (MG	1	2	MMM	0.024	0.084	421605	PAL Matched
00069001	00631	NITRITE PLUS NITRATE, DIS. 1 DET. (MG	1	8.3	MMM	0.024	0.084	421604	PAL & ES Exceeded
00069001	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	1300	MMM	8.6	30	421604	PAL & ES Exceeded
00069023	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	62	MMM	8.6	30	421605	PAL & ES Exceeded
00069023	34475	TETRACHLOROETHYLENE IN WHL WTR	1	12	MMM	0.25	0.83	421605	PAL & ES Exceeded
00069023	39180	TRICHLOROETHYLENE IN WHOLE WATE	1	4.7	MMM	0.25	0.83	421605	PAL & ES Exceeded
00069024	00940	CHLORIDE (MG/L AS CL)	1	180	MMM	1	3.3	421606	PAL & ES Exceeded
00069024	00946	SULFATE, DISSOLVED (MG/L AS SO4)	1	240	MMM	2	6.7	421606	PAL & ES Exceeded
00069024	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	62	MMM	8.6	30	421606	PAL & ES Exceeded
00069024	78124	BENZENE IN WATER (UG/L)	1	0.56	MMM	0.1	0.33	421606	PAL & ES Exceeded
00069024	34306	CHLORODIBROMOMETHANE IN WHL WT	1	37	MMM	0.25	0.83	421606	PAL & ES Exceeded
00069024	32103	1,2-DICHLOROETHANE IN WHOLE WATE	1	1.2	MMM	0.25	0.83	421606	PAL & ES Exceeded
00069024	34501	1,1-DICHLOROETHYLENE IN WHL WTR S	1	23	MMM	0.25	0.83	421606	PAL & ES Exceeded
00069024	77093	CIS-1,2-DICHLOROETHENE, WHOLE WA	1	120	MMM	0.25	0.83	421606	PAL & ES Exceeded
00069024	34475	TETRACHLOROETHYLENE IN WHL WTR	1	88	MMM	0.25	0.83	421606	PAL & ES Exceeded
00069024	34511	1,1,2-TRICHLOROETHANE IN WHL WTR	1	3.6	MMM	0.25	0.83	421606	PAL & ES Exceeded
00069024	39180	TRICHLOROETHYLENE IN WHOLE WATE	1	97	MMM	0.25	0.83	421606	PAL & ES Exceeded
00069024	39175	VINYL CHLORIDE IN WHOLE WATER SA	1	140	MMM	0.25	0.83	421606	PAL & ES Exceeded
00069003	01046	IRON, DISSOLVED (MG/L AS FE)	1	9.4	MMM	0.024	0.085	421607	PAL & ES Exceeded
00069003	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	3600	MMM	8.6	30	421607	PAL & ES Exceeded
00069005	01046	IRON, DISSOLVED (MG/L AS FE)	1	0.58	MMM	0.024	0.085	421608	PAL & ES Exceeded
00069005	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	970	MMM	8.6	30	421608	PAL & ES Exceeded
00069006	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	830	MMM	8.6	30	421609	PAL & ES Exceeded
00069007	01046	IRON, DISSOLVED (MG/L AS FE)	1	0.19	MMM	0.024	0.085	421610	PAL & ES Exceeded
00069007	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	440	MMM	8.6	30	421610	PAL & ES Exceeded
00069008	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	350	MMM	8.6	30	421611	PAL & ES Exceeded
00069009	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	240	MMM	8.6	30	421612	PAL & ES Exceeded
00069009	77093	CIS-1,2-DICHLOROETHENE, WHOLE WA	1	8.3	MMM	0.25	0.83	421612	PAL & ES Exceeded
00069009	34475	TETRACHLOROETHYLENE IN WHL WTR	1	11	MMM	0.25	0.83	421612	PAL & ES Exceeded
00069009	39180	TRICHLOROETHYLENE IN WHOLE WATE	1	7.9	MMM	0.25	0.83	421612	PAL & ES Exceeded
00069009	39175	VINYL CHLORIDE IN WHOLE WATER SA	1	8.4	MMM	0.25	0.83	421612	PAL & ES Exceeded
00069015	01046	IRON, DISSOLVED (MG/L AS FE)	1	22	MMM	0.024	0.085	421618	PAL & ES Exceeded
00069015	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	450	MMM	8.6	30	421618	PAL & ES Exceeded
00069017	01046	IRON, DISSOLVED (MG/L AS FE)	1	1.8	MMM	0.024	0.085	421620	PAL & ES Exceeded
00069017	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	240	MMM	8.6	30	421620	PAL & ES Exceeded
00069017	34475	TETRACHLOROETHYLENE IN WHL WTR	1	0.84	MMM	0.25	0.83	421620	PAL & ES Exceeded
00069017	39180	TRICHLOROETHYLENE IN WHOLE WATE	1	2.2	MMM	0.25	0.83	421620	PAL & ES Exceeded
00069017	39175	VINYL CHLORIDE IN WHOLE WATER SA	1	1.5	MMM	0.25	0.83	421620	PAL & ES Exceeded
00069018	01046	IRON, DISSOLVED (MG/L AS FE)	1	0.23	MMM	0.024	0.085	421621	PAL & ES Exceeded
00069018	01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	42	MMM	8.6	30	421621	PAL & ES Exceeded

00069018	34475 TETRACHLOROETHYLENE IN WHL WTR	1	1.3 MMM	0.25	0.83	421621 PAL & ES Exceeded
00069018	39180 TRICHLOROETHYLENE IN WHOLE WATE	1	0.67 JMMM	0.25	0.83	421621 PAL & ES Exceeded
00069020	01046 IRON, DISSOLVED (MG/L AS FE)	1	0.86 MMM	0.024	0.085	421623 PAL & ES Exceeded
00069020	01056 MANGANESE, DISSOLVED (UG/L AS MN)	1	230 MMM	8.6	30	421623 PAL & ES Exceeded
00069021	01056 MANGANESE, DISSOLVED (UG/L AS MN)	1	82 MMM	8.6	30	421624 PAL & ES Exceeded
00069025	01046 IRON, DISSOLVED (MG/L AS FE)	1	1.2 MMM	0.024	0.085	421625 PAL & ES Exceeded
00069025	01056 MANGANESE, DISSOLVED (UG/L AS MN)	1	200 MMM	8.6	30	421625 PAL & ES Exceeded
00069025	39180 TRICHLOROETHYLENE IN WHOLE WATE	1	0.99 MMM	0.25	0.83	421625 PAL & ES Exceeded
00069025	39175 VINYL CHLORIDE IN WHOLE WATER SA	1	0.76 JMMM	0.25	0.83	421625 PAL & ES Exceeded
00069025	39180 TRICHLOROETHYLENE IN WHOLE WATE	2	1 MMM	0.25	0.83	421626 PAL & ES Exceeded
00069025	39175 VINYL CHLORIDE IN WHOLE WATER SA	2	0.85 MMM	0.25	0.83	421626 PAL & ES Exceeded
00069103	00631 NITRITE PLUS NITRATE, DIS. 1 DET. (MG	1	2.3 MMM	0.024	0.084	421627 PAL & ES Exceeded
00069101	00631 NITRITE PLUS NITRATE, DIS. 1 DET. (MG	1	3.7 MMM	0.024	0.084	421628 PAL & ES Exceeded
00069001	72020 ELEVATION, GROUNDWATER (FEET AB	1	1065.2 MMM			421604
00069001	72002 DEPTH TO GROUNDWATER (FEET BELO	1	44.25 MMM			421604
00069001	00002 COMMENT, SAMPLE COLOR	1	0 MMM			421604
00069001	00003 COMMENT, SAMPLE TURBIDITY	1	0 MMM			421604
00069001	39036 ALKALINITY, TOTAL FILTERED (MG/L AS	1	87 MMM	10	33	421604
00069001	00940 CHLORIDE (MG/L AS CL)	1	8.8 MMM	1	3.3	421604
00069001	00341 CHEMICAL OXYGEN DEMAND, FILTERE	1	16 MMM	3.8	14	421604
00069001	22413 HARDNESS, TOTAL, FILTERED (MG/L AS	1	160 MMM	4	12	421604
00069001	70295 DISSOLVED SOLIDS, TOTAL (MG/L)	1	240 MMM	1	3.3	421604
00069001	00946 SULFATE, DISSOLVED (MG/L AS SO4)	1	30 MMM	2	6.7	421604
00069001	01046 IRON, DISSOLVED (MG/L AS FE)	1	0.099 MMM	0.024	0.085	421604
00069001	78124 BENZENE IN WATER (UG/L)	1	NMMM	0.1	0.33	421604
00069001	81555 BROMOBENZENE IN WHL WTR SAMPLE	1	NMMM	0.25	0.83	421604
00069001	77297 BROMOCHLOROMETHANE (UG/L)	1	NMMM	0.25	0.83	421604
00069001	32101 BROMODICHLOROMETHANE IN WHL W	1	NMMM	0.25	0.83	421604
00069001	32104 TRIBROMOMETHANE IN WHL WTR SAM	1	NMMM	0.25	0.83	421604
00069001	34413 BROMOMETHANE IN WHL WTR SAMPLE	1	NMMM	0.25	0.83	421604
00069001	77342 BUTYLBENZENE, N- (UG/L)	1	NMMM	0.25	0.83	421604
00069001	77350 BUTYLBENZENE, SEC- (UG/L)	1	NMMM	0.25	0.83	421604
00069001	77353 BUTYLBENZENE, TERT- (UG/L)	1	NMMM	0.25	0.83	421604
00069001	32102 CARBON TETRACHLORIDE IN WHOLE W	1	NMMM	0.25	0.83	421604
00069001	34301 CHLOROBENZENE IN WHL WTR SAMPL	1	NMMM	0.25	0.83	421604
00069001	34306 CHLORODIBROMOMETHANE IN WHL WT	1	NMMM	0.25	0.83	421604
00069001	34311 CHLOROETHANE IN WHL WTR SAMPLE	1	NMMM	0.25	0.83	421604
00069001	32106 CHLOROFORM IN WHOLE WATER SAMP	1	NMMM	0.25	0.83	421604
00069001	34418 CHLOROMETHANE IN WHL WTR SAMPL	1	NMMM	0.25	0.83	421604
00069001	77275 O-CHLOROTOLUENE (UG/L)	1	NMMM	0.1	0.33	421604
00069001	77277 P-CHLOROTOLUENE (UG/L)	1	NMMM	0.25	0.83	421604

00.10645



Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone: 920-261-1660
Fax: 920-261-8120

To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: CEGAR CORPORATION Client #: _____

Address: 604 WILSON AVE

City/State/Zip Code: MENOMONIE, WI 54751

Project Manager: SCOTT MCCURDY

Telephone Number: 715-235-9081 Fax: 235-2727

Sampler Name: (Print Name) MARK IVERSON

Sampler Signature: [Signature]

Project Name: Amery LIT

Project #: 1411-0059-304-01

Site/Location ID: _____ State: _____

Report To: CEGAR CORP

Invoice To: Amery City & Co

Quote #: 118 Center St. Arlington, WI 54001

TAT <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (surcharges may apply) Date Needed: _____ Fax Results: Y N	Date Sampled	Time Sampled	C = Composite Field Filtered	Matrix SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other	Preservation & # of Containers							Analyze For:								QC Deliverables None Level 2 (Batch QC) Level 3 Level 4 Other: _____ REMARKS								
					HNO ₃ Filtered	HCl	NaOH	H ₂ SO ₄ Filtered	Methanol	None Filtered	Other (Specify)	VOC 8021	Mn	Fe	NO ₃ +3	Sulfate	Alk	Chloride	COD		Hardness	TDS						
MW-1 001	12-6-00	1200	G X	GW	1	3												X	X	X	X	X	X	X	X	X		
MW-2R 023		930																X										
MW-2AR 024		940																X										
MW-3 003		1135																X										
A-1 005		1000																X										
A-2 006		1022																X										
A-3 007		1010																X										
B-1 008		1050																X										
B-2 009	✓	1100	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Special Instructions:

LABORATORY COMMENTS:	
Init Lab Temp:	
Rec Lab Temp:	iced
Custody Seals:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
Bottles Supplied by TestAmerica:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Method of Shipment:	overnight

Relinquished By: <u>[Signature]</u>	Date: <u>12-7-00</u>	Time: <u>800</u>	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: <u>CB</u>	Date: <u>12/9/00</u>	Time: <u>10:30</u>

12/12/11/00



Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone: 920-261-1660
Fax: 920-261-8120

To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring _____

00.10645

Client Name: CEGAR CORPORATION Client #: _____

Address: 604 Wilson Ave

City/State/Zip Code: Menomonie, WI 54751

Project Manager: Scott McCurdy

Telephone Number: 715-235-9081 Fax: 715-235-2727

Sampler Name: (Print Name) MARK IVERSON

Sampler Signature: Mark Iverson

Project Name: Amery LIF

Project #: 1411-0059-304-01

Site/Location ID: _____ State: _____

Report To: CEGAR CORP

Invoice To: Amery, City of

Quote #: _____ PO#: _____

TAT <input type="checkbox"/> Standard <input type="checkbox"/> Rush (surcharges may apply)	Date Needed: _____	Fax Results: Y N	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix								Preservation & # of Containers								Analyze For:								QC Deliverables None Level 2 (Batch QC) Level 3 Level 4 Other: _____	REMARKS
							Sl - Sludge	DW - Drinking Water	GW - Groundwater	S - Soil/Solid	WW - Wastewater	Specify Other	HNO ₃ Filtered	HCl	NaOH	H ₂ SO ₄ Filtered	Methanol	None Filtered	Other (Specify)	VOC's 8021	Mn	Fe	NO ₂ +NO ₃	Sulfate	Alk	Chloride	CO ₂	Hardness	TDS			
C-1 010			12-6-00	1240	G	X	GW	1	3	1	1			X	X	X	X	X	X	X	X	X	X	X								
C-2 011				1300																												
D-1 012				1500																												
D-2 013				1455																												
E-1 014				1425																												
E-2 015				1420																												
F-1 016				1550																												
F-2 017				1543																												
F-3 018			✓	1532	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						

Special Instructions:

LABORATORY COMMENTS:

Init Lab Temp:

Rec Lab Temp:

Custody Seals: Y N N/A

Bottles Supplied by TestAmerica: Y N

Relinquished By: <u>Mark Iverson</u>	Date: <u>12-7-00</u>	Time: <u>800</u>	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: <u>CB</u>	Date: <u>12/9/00</u>	Time: <u>10:30</u>

Method of Shipment: dunham

12/11/00



Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone: 920-261-1660
Fax: 920-261-8120

00.10645

To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: CEGAR CORPORATION Client #: _____

Address: 604 WILSON AVE

City/State/Zip Code: Menomonie, WI 54751

Project Manager: Scott McCurdy

Telephone Number: 715-235-9081 Fax: 235-2727

Sampler Name: (Print Name) MARK IVERSON

Sampler Signature: Mark Iverson

Project Name: Amery LIF

Project #: 1411-0059-304-01

Site/Location ID: _____ State: _____

Report To: CEGAR CORPORATION

Invoice To: Amery, City of

Quote #: _____ PO#: _____

TAT <input type="checkbox"/> Standard <input type="checkbox"/> Rush (surcharges may apply) Date Needed: _____ Fax Results: Y N	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other	Preservation & # of Containers								Analyze For:							QC Deliverables <input type="checkbox"/> None <input type="checkbox"/> Level 2 (Batch QC) <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 Other: _____	REMARKS		
						HNO ₃ Filtered	HCl	NaOH	H ₂ SO ₄ Filtered	Methanol	None Filtered	Other (Specify)	VOCs 8021	Mn	Fe	NO ₂ +NO ₃	Sulfate	Alk	Chloride	COD			Hardness	TDS
G-1 019	12-6-00	1350	G	X	GW	1	3		1					X	X	X	X	X	X	X	X	X		
G-2 020		1345																						
G-3 021		1333																						
H-1 025		1620																						
H-1 DUP 025		1620																						only vals needed
Ryan 103		1630																						
Fouks 101		1225																						
Jackson 102		1215		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓

Special Instructions: _____

LABORATORY COMMENTS:
Init Lab Temp: _____
Rec Lab Temp: iced
Custody Seals: (Y) N N/A
Bottles Supplied by TestAmerica: (Y) N
Method of Shipment: FF dunnham

Relinquished By: <u>Mark Iverson</u>	Date: <u>12-7-00</u>	Time: <u>800</u>	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: <u>CB</u>	Date: <u>12-9-00</u>	Time: <u>10:30</u>

12/11/00

RECEIVED
DNR SPOONER

'01 AUG 9 AM 11 17

August 8, 2001

Ms. Julie Riemenschneider
City of Amery
118 Center Street
Amery, WI 54001

RE: Amery Landfill Groundwater Monitoring, June 2001

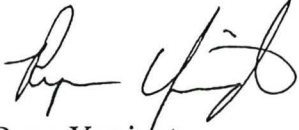
Dear Julie:

The Amery Landfill analytical data for the June 2001 sampling period has been reviewed and the necessary documents have been forwarded to the DNR on your behalf. I have enclosed your copies of the groundwater monitoring certification form, analytical results, and the DNR required memorandum explaining all analytical results that exceed Preventive Action Limits.

If you have any questions or concerns, please contact Scott McCurdy or me at your convenience.

Yours Truly,

CEDAR CORPORATION



Ryan Yarrington
Hydrogeologist

RY/ry

Enclosure

cc: WDNR - Bureau of Solid Waste, P.O. Box 7921, Madison, WI 53707
WDNR - Jamie Dunn, 810 West Maple Street, Spooner, WI 54801

August 8, 2001

Mr. Richard Jackson
872 Lincoln Avenue
Amery, WI 54001

SUBJECT: June 2001 Residential Well Sampling Results

Dear Mr. Jackson:

Please find attached the June 2001 laboratory analytical report for your well. The report indicates that your residential water supply well does not contain any volatile organic compounds above their Preventive Action Limits.

Indicator parameters were also collected from your well. Manganese(MN) was detected at 0.62 mg/L which is above the Wisconsin Administrative Code NR140 Enforcement Standard (ES)(0.05 mg/L). The results of your water supply samples are similar to those collected during previous events.

If you have any questions regarding the results, feel free to contact me or Scott McCurdy at 1-800-472-7372. If you have any other questions regarding the quantity of the compounds detected or the quality of your water, please contact a water supply specialist in the Spooner DNR office at 715-635-2101.

Yours truly,

CEDAR CORPORATION



Ryan Yarrington
Hydrogeologist

RY/br
Enclosure

cc: Ms. Julie Riemenschneider, 118 Center Street, Amery, WI 54001

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/18/2001
Job No: 01.04803
Sample No: 442683
Account No: 13800
Page 75 of 88

JOB DESCRIPTION: 1411-0064-304-01 City of AmeryLF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069102 Jackson 1411-0064 Amery LF
Amery, WI
Rec'd on ice

Date/Time Taken: 06/27/2001 14:15

Date Received: 06/29/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
Odor	No		n/a	n/a		06/27/2001	pam	2174
Color	No		n/a	n/a		06/27/2001	pam	2168
Turbidity	No		n/a	n/a		06/27/2001	pam	2092
Alkalinity, total (CaCO3)	120	mg/L	10	33	EPA 310.2	07/11/2001	gaf	927
Chloride	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/09/2001	gaf	1633
COD, Total	<3.8	mg/L	3.8	14	EPA 410.4	07/06/2001	cmb	1743
Hardness, Total	170	mg/L	4.0	12	EPA 130.2	07/09/2001	cmb	769
N-Nitrate + Nitrite	0.090	mg/L	0.024	0.084	EPA 353.2	07/11/2001	tds	1237
Solids, Total Dissolved	A 180	mg/L	1.0	3.3	EPA 160.1	07/05/2001	cmb	902
Sulfate, IC	10	mg/L	2.0	6.7	EPA 300.0	07/16/2001	tds	1037
Turbidity	<1.0	NTU	n/a	n/a	EPA 180.1	07/09/2001	mmm	414
Iron, AA	0.11	mg/L	0.042	0.14	EPA 236.1	07/16/2001	gaf	1767
Manganese, AA	0.62	mg/L	0.0018	0.0063	EPA 243.1	07/16/2001	gaf	1151
VOC - AQUEOUS - EPA 8260B								
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/11/2001	mae	2708
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/11/2001	mae	2708
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/18/2001
 Job No: 01.04803
 Sample No: 442683
 Account No: 13800
 Page 76 of 88

JOB DESCRIPTION: 1411-0064-304-01 City of AmeryLF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069102 Jackson 1411-0064 Amery LF
 Amery, WI
 Rec'd on ice

Date/Time Taken: 06/27/2001 14:15

Date Received: 06/29/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
2,2-Dichloropropane	C <0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Methylene Chloride	L 0.74	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/11/2001	mae	2708
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/11/2001	mae	2708
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/11/2001	mae	2708
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Surr: Dibromofluoromethane	104.4	%		94-110	SW 8260B	07/11/2001	mae	2708
Surr: Toluene-d8	94.6	%		83-111	SW 8260B	07/11/2001	mae	2708
Surr: Bromofluorobenzene	99.6	%		86-114	SW 8260B	07/11/2001	mae	2708
pH, Field	8.0	units	n/a	n/a	EPA 150.1	06/27/2001	pam	2532

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/18/2001
Job No: 01.04803
Sample No: 442683
Account No: 13800
Page 77 of 88

JOB DESCRIPTION: 1411-0064-304-01 City of AmeryLF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069102 Jackson 1411-0064 Amery LF
Amery, WI
Rec'd on ice

Date/Time Taken: 06/27/2001 14:15

Date Received: 06/29/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Analyst	Batch	
Field Conductivity @ 25 C	220	umhos/cm	n/a	n/a		06/27/2001	pam		2038

August 8, 2001

Mr. Wm. Ryan
881 Lincoln Avenue
Amery, WI 54001

SUBJECT: June 2001 Residential Well Sampling Results

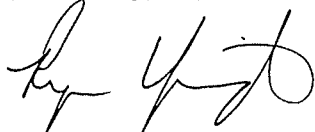
Dear Mr. Ryan:

Please find attached the June 2001 laboratory analytical report for your well. The report indicates that your residential water supply well does not contain any volatile organic compounds. Indicator parameter samples were also collected from your well. Nitrogen (nitrate+nitrite) was detected at 2.6 mg/L which is above the Wisconsin Administrative Code NR140 Preventative Action Limit (PAL) (2.0 mg/L). These results are consistent with previous data that has been collected.

If you have any questions regarding the results, feel free to contact me or Scott McCurdy at 1-800-472-7372. If you have any other questions regarding the quantity of the compounds detected or the quality of your water, please contact a water supply specialist in the Spooner DNR office at 715-635-2101.

Yours truly,

CEDAR CORPORATION



Ryan Yarrington
Hydrogeologist

RY/br
Enclosure

cc: Ms. Julie Riemenschneider, 118 Center Street, Amery, WI 54001

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/18/2001
 Job No: 01.04803
 Sample No: 442682
 Account No: 13800
 Page 72 of 88

JOB DESCRIPTION: 1411-0064-304-01 City of AmeryLF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069103 Ryan 1411-0064 Amery LF
 Amery, WI
 Rec'd on ice

Date/Time Taken: 06/27/2001 14:00

Date Received: 06/29/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	
Odor	No		n/a	n/a		06/27/2001	pam	2174
Color	No		n/a	n/a		06/27/2001	pam	2168
Turbidity	No		n/a	n/a		06/27/2001	pam	2092
Alkalinity, total (CaCO3)	D <50	mg/L	10	33	EPA 310.2	07/11/2001	gaf	927
Chloride	15	mg/L	1.0	3.3	EPA 325.2	07/09/2001	gaf	1633
COD, Total	<3.8	mg/L	3.8	14	EPA 410.4	07/06/2001	cmb	1743
Hardness, Total	100	mg/L	4.0	12	EPA 130.2	07/09/2001	cmb	769
N-Nitrate + Nitrite	2.6	mg/L	0.024	0.084	EPA 353.2	07/11/2001	tds	1237
Solids, Total Dissolved	A 170	mg/L	1.0	3.3	EPA 160.1	07/05/2001	cmb	902
Sulfate, IC	12	mg/L	2.0	6.7	EPA 300.0	07/16/2001	tds	1037
Turbidity	<1.0	NTU	n/a	n/a	EPA 180.1	07/09/2001	mmm	414
Iron, AA	<0.042	mg/L	0.042	0.14	EPA 236.1	07/16/2001	gaf	1767
Manganese, AA	<0.0018	mg/L	0.0018	0.0063	EPA 243.1	07/16/2001	gaf	1151
VOC - AQUEOUS - EPA 8260B								
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/11/2001	mae	2708
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/11/2001	mae	2708
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/18/2001
 Job No: 01.04803
 Sample No: 442682
 Account No: 13800
 Page 73 of 88

JOB DESCRIPTION: 1411-0064-304-01 City of AmeryLF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069103 Ryan 1411-0064 Amery LF
 Amery, WI
 Rec'd on ice

Date/Time Taken: 06/27/2001 14:00

Date Received: 06/29/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
2,2-Dichloropropane	C <0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Methylene Chloride	L 0.62	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/11/2001	mae	2708
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/11/2001	mae	2708
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/11/2001	mae	2708
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Surr: Dibromofluoromethane	103.2	%		94-110	SW 8260B	07/11/2001	mae	2708
Surr: Toluene-d8	96.4	%		83-111	SW 8260B	07/11/2001	mae	2708
Surr: Bromofluorobenzene	100.6	%		86-114	SW 8260B	07/11/2001	mae	2708
pH, Field	8.1	units	n/a	n/a	EPA 150.1	06/27/2001	pam	2532

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/18/2001
Job No: 01.04803
Sample No: 442682
Account No: 13800
Page 74 of 88

JOB DESCRIPTION: 1411-0064-304-01 City of AmeryLF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069103 Ryan 1411-0064 Amery LF
Amery, WI
Rec'd on ice

Date/Time Taken: 06/27/2001 14:00

Date Received: 06/29/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Analyst	Batch	
Field Conductivity @ 25 C	160	umhos/cm	n/a	n/a		06/27/2001	pam		2038

August 8, 2001

Mr. Herbert Fouks
876 Lincoln Avenue
Amery, WI 54001

SUBJECT: June 2001 Residential Well Sampling Results

Dear Mr. Fouks:

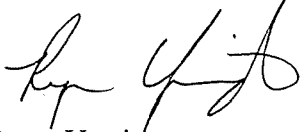
Please find attached the June 2001 laboratory analytical results for your well. The report indicates that no volatile organic compounds were detected in your residential water supply well.

Indicator parameter samples were also collected from your well. Nitrogen (nitrate+nitrite) was detected at 3.3 mg/L which is above the Wisconsin Administrative Code NR140 Preventative Action Limit (PAL) (2.0 mg/L). These results are consistent with previous data that has been collected.

If you have any questions regarding the results, feel free to contact me or Scott McCurdy at 1-800-472-7372. If there are any other questions regarding the quantity of the compounds detected and the quality of your water, please contact a water supply specialist in the Spooner DNR office at 715-635-2101.

Yours truly,

CEDAR CORPORATION



Ryan Yarrington
Hydrogeologist

RY/br
Enclosure

cc: Ms. Julie Riemenschneider, 118 Center Street, Amery, WI 54001

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/18/2001
Job No: 01.04803
Sample No: 442684
Account No: 13800
Page 78 of 88

JOB DESCRIPTION: 1411-0064-304-01 City of AmeryLF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069101 Fouks 1411-0064 Amery LF
Amery, WI
Rec'd on ice

Date/Time Taken: 06/27/2001 14:20

Date Received: 06/29/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run	
						Analyzed	Analyst	Batch	
Odor	No		n/a	n/a		06/27/2001	pam		2174
Color	No		n/a	n/a		06/27/2001	pam		2168
Turbidity	No		n/a	n/a		06/27/2001	pam		2092
Alkalinity, total (CaCO3)	97	mg/L	10	33	EPA 310.2	07/11/2001	gaf		927
Chloride	6.4	mg/L	1.0	3.3	EPA 325.2	07/09/2001	gaf		1633
COD, Total	<3.8	mg/L	3.8	14	EPA 410.4	07/06/2001	cmb		1743
Hardness, Total	170	mg/L	4.0	12	EPA 130.2	07/09/2001	cmb		769
N-Nitrate + Nitrite	3.3	mg/L	0.024	0.084	EPA 353.2	07/11/2001	tds		1237
Solids, Total Dissolved	A 200	mg/L	1.0	3.3	EPA 160.1	07/05/2001	cmb		902
Sulfate, IC	11	mg/L	2.0	6.7	EPA 300.0	07/16/2001	tds		1037
Turbidity	<1.0	NTU	n/a	n/a	EPA 180.1	07/09/2001	mmm		414
Iron, AA	0.13	mg/L	0.042	0.14	EPA 236.1	07/16/2001	gaf		1767
Manganese, AA	0.0061	mg/L	0.0018	0.0063	EPA 243.1	07/16/2001	gaf		1151
VOC - AQUEOUS - EPA 8260B									
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/11/2001	mae		2708
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/11/2001	mae		2708
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
Dichlorodifluoromethane	0.26	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae		2708

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/18/2001
Job No: 01.04803
Sample No: 442684
Account No: 13800
Page 79 of 88

JOB DESCRIPTION: 1411-0064-304-01 City of AmeryLF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069101 Fouks 1411-0064 Amery LF
Amery, WI
Rec'd on ice

Date/Time Taken: 06/27/2001 14:20

Date Received: 06/29/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
2,2-Dichloropropane	C <0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Methylene Chloride	L 0.93	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/11/2001	mae	2708
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/11/2001	mae	2708
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/11/2001	mae	2708
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/11/2001	mae	2708
Surr: Dibromofluoromethane	105.6	%		94-110	SW 8260B	07/11/2001	mae	2708
Surr: Toluene-d8	95.6	%		83-111	SW 8260B	07/11/2001	mae	2708
Surr: Bromofluorobenzene	100.0	%		86-114	SW 8260B	07/11/2001	mae	2708
pH, Field	8.3	units	n/a	n/a	EPA 150.1	06/27/2001	pam	2532

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/18/2001
Job No: 01.04803
Sample No: 442684
Account No: 13800
Page 80 of 85

JOB DESCRIPTION: 1411-0064-304-01 City of AmeryLF
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069101 Fouks 1411-0064 Amery LF
Amery, WI
Rec'd on ice

Date/Time Taken: 06/27/2001 14:20

Date Received: 06/29/2001

Parameter	Results	Units	MDL	LOQ	Method	Date		Prep/Run
						Analyzed	Analyst	Batch
Field Conductivity @ 25 C	250	umhos/cm	n/a	n/a		06/27/2001	pam	2038

MEMORANDUM

TO: Wisconsin DNR Bureau of Solid Waste

FROM: Ryan Yarrington, Cedar Corporation

DATE: August 8, 2001

SUBJECT: Amery Landfill Preventative Action Limit (PAL) Exceedances

The quarterly ground water sampling and analysis for the Amery Landfill, June 27, 2001, has been completed. Wisconsin Administrative Code NR 140 Preventative Action Limits (PAL) have been exceeded for chloride, nitrate+nitrite, sulfate, iron, manganese, benzene chloroethane, chloromethane, 1,2-Dichloroethane, 1,2-Dichloroethane, trichloroethene, and vinyl chloride. One or a combination of these substances has been detected at or over the PAL in A-1, A-2, A-3, B-1, B-2, C-2, E-2, F-1, F-2, F-3, G-2, G-3, H-1, MW-1, MW-2R, MW-2AR, MW-3. The concentrations of analytes detected are consistent with data acquired during past sampling events. At this time, the contaminant concentration trends appear to be stable. See attached tables for VOC and indicator parameter detects.

The Jackson private drinking water wells has no concentrations of EPA 524.2 VOC parameters exceeding PALs, however, Manganese exceeds enforcement standards at 0.62 mg/L.

The Fouk's private drinking water well has a slight concentration of dichlorodifluoromethane (0.26 mg/L). This compound has been detected in the Fouk's well during previous sampling events and is below the Preventive Action Limit. Nitrate+nitrite (3.3 mg/L) was detected in the Fouk's well above the established PAL of 2.0 mg/L. Nitrate+nitrite concentrations are consistent with previous results.

Nitrate+nitrite - nitrogen was detected at 2.6 mg/L in the Ryan residential well. This is slightly above the PAL. Previous concentrations have ranged from .9 to 2.0 mg/L.

RY/br

ENVIRONMENTAL MONITORING DATA CERTIFICATION

Note: Two data certification pages and two copies of any exceedance notification and explanation must be prepared for *each* license number included in the electronic submittal. One copy of each must be mailed to WDNR Central Office with the submittal and the second copies must be mailed to the WDNR Regional Office in which the facility is located.

Check here to indicate that a copy of this page (and a copy of the exceedance notification letter, if any) was mailed to the WDNR Regional Office.

The enclosed electronic submittal contains data for the following facility or facilities:

<u>License No.</u>	<u>Facility ID. No. (FID)</u>	<u>Facility Name</u>	<u>Sample Results for Month(s) of:</u>
00069	749009240	Amery Landfill	June 2001

Type of data submitted (check as applicable):

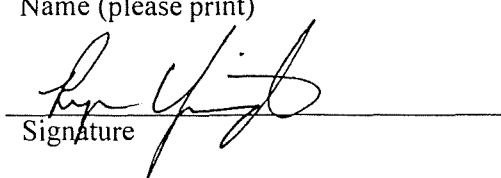
- Groundwater monitoring data
 Non-groundwater monitoring data (gas, leachate, air)

Check one of the following:

- An exceedance notification and explanation *is attached*.
 An exceedance notification *is not attached* because there are no exceedances to report.

To the best of my knowledge, the information reported and the statements made on this data submittal and enclosures are true and correct. *Furthermore, per ss. NR 140.24(1)(a), NR 140.26(1)(a), NR 635.18(20) and NR 507.30, Wis. Adm. Codes, I have attached notification of enforcement standard, preventative action limit, or alternative concentration limit exceedances, if any, which includes a list of the wells at which the exceedances occurred and a preliminary analysis of the cause and significance of the concentration.*

Ryan Yarrington
Name (please print)


Signature

Hydrogeologist
Title

August 7, 2001
Date

715-235-9081
Phone Number

	SAMPLE DATE	NR 140 Exceedences		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	A-3	B-1	B-2	C-1	C-2	D-1	D-2	E-1	E-2	F-1	F-2	F-3	G-1	G-2	H-1	PRODEN	GOULD	FOULKES	
		PAL	ES																										
TRICHLOROETHENE (ug / L) Enforcement Standard - 5 Preventive Action Limit - 0.5	04/06/93	X	X		18	7.4							8.6								0.01	1.6				2.9	3.5		
	06/01/93	X	X		27	3.3							12									1.6	1.5				0.1	4.5	
	10/05/93	X	X		22	3.3							12									1.6	0.01				1.9	3.9	
	12/15/93	X	X		16	2.6							10									1.1	0.01				1.8	3.1	
	03/15/94	X	X		13	2.1							9									0.01	0.01				1.8	2.9	
	06/16/94	X	X		45	3.7							16									2.2	1.7				2.7	3.7	
	09/12/94	X	X		31	8.9							12									2.3	1.3				1.7	3.6	
	09/12/95	X	X		37	6.2							11									1.9	1.3						
	06/29/96	X	X		27	5.9							8.7									1.4	1.3						
	06/04/97	X	X		28	5.3							8.6										0.6						0.14
	06/10/98	X	X		37	6.5							9.8									1.9	0.49						
	06/15/99	X	X		58	3.4																1.7							
	09/21/99	X	X										7.8									1.5	0.65						0.1
	12/13/99	X	X					9	110				9									0.66	0.68		1				
	03/13/00	X	X					6.4	97				8.2									1.8	0.75		0.8				
	06/27/00	X	X					3.3	120				7.3									2	0.61		0.88				
	09/18/00	X	X					11	110				8.4									2.1	0.71		0.98				
12/06/00	X	X					4.7	97				7.9									2.2	0.67		0.99					
06/27/01	X	X					7.3	97				6.6									2	0.79		1.2					
1,2,4-Trimethylbenzene	09/21/99																		0.5	0.44				0.45					
	12/13/99							0.18																					
XYLENES (ug / L) Enforcement Standard - 10,000 Preventive Action Limit - 1000	06/04/97																												
	06/15/99			1.4				0.87	3.7												1.4			0.52	1.3				
	12/13/99																						0.99	0.43					

	SAMPLE DATE	NR 140 Exceedences		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	A-3	B-1	B-2	C-1	C-2	D-1	D-2	E-1	E-2	F-1	F-2	F-3	G-1	G-2	H-1	PRODEN	GOULD	FOULKS
		PAL	ES																									
VINYL CHLORIDE (ug / L) Enforcement Standard - 0.2 Preventive Action Limit - 0.02	04/06/93	X	X		90	9.3							3.6								3.7	0.01				1.5	1.5	
	06/01/93	X	X		56	5.7							6.1								2.8	0.01				X	2.4	
	10/05/93	X	X		43	4.8							4								2.1	0.01				0.01	1.2	
	12/15/93	X	X		38	5.7							4								1.6	0.01				0.01	0.01	
	03/15/94	X	X		24	3.4							2.8								0.01	0.01				0.01	X	
	06/16/94	X	X		21	3.4							8.4								1.2	0.01				0.01	0.01	
	09/12/94	X	X		46	4.6							4.9								0.01	0.01				0.01	0.4	
	09/12/95	X	X		34	2.1							4.9								0.01	0.01						
	06/29/96	X	X		30	3.5							2.6								0.01	0.01						
	06/04/97	X	X		38	2.7							2.1															
	06/10/98	X	X		46	3.2							4.4									0.98						
	06/15/99	X	X		7.6	2.6							5.3															
	09/21/99	X	X										4.2									0.82						
	12/13/99	X	X					0.77	150				8.1									0.45			0.59			
	03/13/00	X	X						180				7.7									1.3						
	06/27/00	X	X						160				5.8									1.5						
	09/18/00	X	X					2.6	160				7.4									1.7				0.91		
12/06/00	X	X						140				8.4									1.5				0.76			
06/27/01	X	X					1.4	120				5.4																

Values of 0.1 and 0.01 indicate that the laboratory reported <MDL for this compound on that monitoring event.
Methylene Chloride was the only compound detected in MW-1, MW-3, B-1, D-1, D-2, E-1, E-2, F-1, G-1, G-2 and G-3.
*Sample results for MW-2 & MW-2A were collected on May 24, 1999 prior to their abandonment.



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August 24, 2000

Ms. Julie Riemenschneider
City of Amery
118 Center Street
Amery, WI 54001

RE: Amery Landfill Groundwater Monitoring, June 2000

Dear Julie:

The Amery Landfill analytical data for the June 2000 sampling period has been reviewed and the necessary documents have been forwarded to the DNR on your behalf. I have enclosed your copies of the groundwater monitoring certification form, analytical results, and the DNR required memorandum explaining all analytical results that exceed Preventive Action Limits.

If you have any questions or concerns, please contact Scott McCurdy or me at your convenience.

Yours Truly,

CEDAR CORPORATION

A handwritten signature in black ink that reads "Mark Iverson". The signature is written in a cursive style.

Mark Iverson
Environmental Specialist

MI/mi

Enclosure

cc: WDNR - Bureau of Solid Waste, P.O. Box 7921, Madison, WI 53707
WDNR - Jamie Dunn, 810 West Maple Street, Spooner, WI 54801

ATTACHMENT 4
GROUNDWATER MONITORING DATA CERTIFICATION

Note: Two data certification pages and two copies of any exceedance notification and explanation must be prepared for *each* license number included on the diskette. One copy of each must be mailed to the WDNR Central Office with the diskette, the second copies must be mailed to the WDNR Regional Office for the region in which the facility is located.

[] Check here to indicate that a copy of this page (and a copy of the exceedance notification letter, if any) was mailed to the DNR Regional Office.

The enclosed diskette contains data for the following facility or facilities:

<u>License No.</u>	<u>Facility ID No.</u>	<u>Facility Name</u>	<u>Sample Results for Month(s) of:</u>
00069	649009240	Amery LIF	June 2000

Check one of the following:

- An exceedance notification and explanation *is attached*.
 An exceedance notification *is not attached* because there are no exceedances to report.

To the best of my knowledge, the information reported and the statements made on this diskette and enclosures are true and correct. *Furthermore, per ss. NR 140.24(1)(a) and 507.30, Wis. Adm. Code, I have attached notification of enforcement standard, preventive action limit, or alternative concentration limit exceedances, if any, which includes a list of the wells at which the exceedances occurred and a preliminary analysis of the cause and significance of the concentration.*

Martine
Signature

August 24, 2000
Date

Environmental Specialist
Title



August 24, 2000

Ms. Julie Riemenschneider
City of Amery
118 Center Street
Amery, WI 54001

RE: Amery Landfill, Soil Vent Monitoring
Methane Lower Explosive Limit (LEL) Exceedance
Ch. NR 507.22 Wisconsin Administrative Code

Dear Ms. Riemenschneider:

June 2000 soil vent monitoring has been completed at the Amery Landfill. The results indicate that the LEL of Methane, 5.5% total volume, has been exceeded in the three gas extraction vents (V-1, V-2, and V-3) and in two of the four soil gas monitoring points (GP-1 and GP-2). The following comments pertain to these exceedances.

V-1, V-2, V-3:

Three gas extraction vents, V-1, V-2, and V-3, are located within the landfill. Methane concentrations at these three sample points have exceeded the LEL of methane during the June 2000 sampling event. Total percent methane concentrations have ranged from 47.5% to 60.5% during the sampling event. Three rounds of data have been collected, no trends have been established to this point.

GP-1:

Gas point #1 is located northeast of the landfill. Methane concentrations in GP-1 have exceeded the LEL of 5.5% total volume methane during the June 2000 sampling event. Trends have not yet been established since only two rounds of data have been collected.

GP-2:

Gas point #2 is located south of the landfill. Methane concentrations in GP-2 have exceeded the LEL of 5.5% total volume methane during the June 2000 sampling events. Trends have not yet been established since only three rounds of data have been collected.

Results of the gas extraction vent and soil vent monitoring are shown on Table 1. The data diskette has been forwarded to the Bureau of Solid Waste in Madison and the information for the gas extraction vents has been included on Form 4400-89. Please do not hesitate to contact me or Scott McCurdy at 1-800-472-7372 should you have any questions regarding this project.

Sincerely,

CEDAR CORPORATION

Mark Iverson
Environmental Specialist

MI/br

cc: WDNR, Jamie Dunn, 810 West Maple St., Spooner, WI 54801
WDNR, Bureau of Solid Waste, P.O. Box 7921, Madison, WI 53707

MEMORANDUM

TO: Wisconsin DNR Bureau of Solid Waste

FROM: Mark Iverson, Cedar Corporation

DATE: August 24, 2000

SUBJECT: Amery Landfill Preventative Action Limit (PAL) Exceedances

The quarterly ground water sampling and analysis for the Amery Landfill, June 2000, has been completed. Wisconsin Administrative Code NR 140 Preventative Action Limits (PAL) have been exceeded for Chloride, nitrate+nitrite, sulfate, iron, manganese, chloroethane, chloromethane, 1,1-Dichloroethene, cis-1,2-dichloroethene, methylene chloride, tetrachloroethylene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, trichloroethene, and vinyl chloride. One or a combination of these substances has been detected over the PAL in A-1, A-2, A-3, B-1, B-2, C-1, C-2, D-1, D-2, E-2, F-2, F-3, G-2, G-3, H-1, MW-1, MW-2R, MW-2AR, MW-3. The concentrations of analytes detected are consistent with data acquired during past sampling events with the exception of MW-2R, MW-2AR, and H-1 which were installed in December 1999. At this time, the contaminant concentration trend appears to be stable. See attached tables for VOC and indicator parameter detects.

Manganese has been detected at 0.10 mg/L in the Jackson private drinking water well above the NR140 ES (0.05 mg/L). The results are similar to those collected during previous sampling events. Manganese has been detected above the PAL, however, this is the first time the Enforcement Standard has been exceeded.

Nitrate+nitrite (2.8 mg/L) was detected in the Fouk's well above its established PALs of 2.0 mg/L. Nitrate+nitrite concentrations are consistent with previous results.

No compounds were detected above the NR140 PALs in the Ryan residential well.

MI/br

	SAMPLE DATE	NR 140 Exceedences		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	A-3	B-1	B-2	C-1	C-2	D-1	D-2	E-2	F-1	F-2	F-3	G-1	G-2	H-1	PRODEN	GOULD	FOULKS	COMMENTS	
		PAL	ES																										
BENZENE (ug / L) Enforcement Standard - 5.0 Preventive Action Limit - 0.5	06/04/1997 09/10/1998 12/13/1999 03/13/2000	X X			0.2	0.9 1.1		0.15	1.2	2.5 0.81			0.5 0.48 0.42 0.44				0.6			0.1			0.3						
BROMOMETHANE (ug / L)	06/10/1998					0.18																							
CHLOROETHANE (ug / L) Enforcement Standard - 5.0 Preventive Action Limit - 0.5	06/04/1997 06/10/1998 12/13/1999 03/13/2000 06/27/2000	X X X X X	X X X X X		1.8 2	11 7.8		24 13 15	2.9				1.2 1.5 1.4 1.9 1.2																
CHLOROFORM (ug / L) Enforcement Standard - 6.0 Preventive Action Limit - 0.6	06/04/1997 06/10/1998 05/24/1999 12/13/1999				0.2 0.41 0.42			0.37																					
CHLOROMETHANE (ug / L) Enforcement Standard - 3.0 Preventive Action Limit - 0.3	06/10/1998 06/27/2000	X X			0.44	0.9				0.27	1.5	1.2	0.31 0.85			2.2	1.1												
DICHLORODIFLUOROMETHANE (ug / L) Enforcement Standard - 1000 Preventive Action Limit - 200	06/04/1997 06/10/1998 06/15/1999 12/13/1999							0.34																				0.57 0.53 0.28 0.28	
1,2-DICHLOROETHANE (ug / L) Enforcement Standard - 5.0 Preventive Action Limit - 0.5	06/04/1997 06/10/1998 12/13/1999		X X		0.3 0.68	0.4			1.9				2.5																

	SAMPLE DATE	NR 140 Exceedences		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	A-3	B-1	B-2	C-1	C-2	D-1	D-2	E-2	F-1	F-2	F-3	G-1	G-2	H-1	PRODEN	GOULD	FOULKS	COMMENTS	
		PAL	ES																										
ETHYLBENZENE (ug / L) Enforcement Standard - 700 Preventive Action Limit - 140	06/15/1999 12/13/1999								0.41	0.98																			
HEXACHLOROBUTADIENE (ug / L)	06/10/1998									1																			
ISOPROPYLBENZENE (ug / L)	12/13/1999								0.58																				
METHYLENE CHLORIDE (ug / L) Enforcement Standard - 5.0 Preventive Action Limit - 0.5	06/10/1998 12/13/1999 03/13/2000	X X X			1.3	2.3		0.65 2		0.63			2.3 0.29		2.2		0.95			0.25	0.7 1.5	0.96	0.6	0.86			0.3		
METHYL-TERT BUTYL ETHER (ug / L) Enforcement Standard - 60 Preventive Action Limit - 12	06/10/1998 12/13/1999 03/13/2000					1.1			0.84				0.3																
NAPHTHALENE (ug / L) Enforcement Standard - 40 Preventive Action Limit - 8	06/10/1998 12/13/1999 03/13/2000								0.75 0.28	0.73																			
TETRACHLOROETHENE (ug / L) Enforcement Standard - 5 Preventive Action Limit - 0.5	04/06/1993	X	X		30	2.3							16								0.1	2.3				2.8	3.2		
	06/01/1993	X	X		56	0.1							22								0.1	2.3				0.1	3.9		
	10/05/1993	X	X		65	0.1							22								0.1	1.8				2.4	4.0		
	12/15/1993	X	X		40	0.1							20								0.1	1.5				2.2	2.9		
	03/15/1994	X	X		29	0.1							18								0.1	1.1				2.9	0.1		
	06/16/1994	X	X		75	0.1							26								0.1	3				3.2	3.4		
	09/12/1994	X	X		72	2.2							19								0.1	2.1				2.5	3.2		
	09/12/1995	X	X		84	1.1							19								0.1	2.2							
	06/29/1996	X	X		54	1.9							15								0.1	1.2							
	06/04/1997	X	X		62	1.2							11		0.6						0.5	1						0.32	
	06/10/1998	X	X		70	1.3							13		0.76						0.73	0.96						0.28	
	06/15/1999	X	X		101	0.58							11								0.58	0.73						0.3	
	09/21/1999	X																			0.64	1.3						0.3	
	12/13/1999	X	X	0.33					18	120				12	0.3	0.57												0.26	
	03/13/2000	X	X	0.36					17	110				13	0.34	0.52						0.78	1.6						
06/27/2000	X	X	0.33					8.5	120				12	0.28	0.51						0.89	1.4							

	SAMPLE DATE	NR 140 Exceedences		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	A-3	B-1	B-2	C-1	C-2	D-1	D-2	E-2	F-1	F-2	F-3	G-1	G-2	H-1	PRODEN	GOULD	FOULKS	COMMENTS	
		PAL	ES																										
1,1,1 - TRICHLOROETHANE (ug / L) Enforcement Standard - 200 Preventive Action Limit - 40	03/15/1994				4.3	0.1							0.1							0.1	0.1				0.1	0.1			
	06/16/1994	X			50	0.1							0.1							0.1	0.1				0.1	0.1			
	09/12/1994				18	0.1																			0.1	0.1			
	09/12/1995				4.6	0.1								2.1							0.1	0.1				0.1	0.1		
	06/29/1996				3.3	0.1								0.1							0.1	0.1							
	06/04/1997				5.2	0.3								0.5														0.072	
	06/10/1998				26																0.76								
	06/15/1999				7.7																								
	12/13/1999	X						2	49																				
	03/13/2000	X						2.5	51					0.58															
	06/27/2000	X						0.88	52					0.63							0.61								
1,1,2 - TRICHLOROETHANE (ug / L) Enforcement Standard - 5 Preventive Action Limit - 0.5	12/13/1999	X						4.1																					
	03/13/2000	X						4.5																					
	06/27/2000	X						4.7																					
TRICHLOROFLUOROMETHANE (ug / L)	06/04/1997																										0.14		
TOLUENE (ug / L) Enforcement Standard - 1000 Preventive Action Limit - 200	06/04/1997				0.1	0.2											3.1			0.2	0.2	0.1	1.1						
TRICHLOROETHENE (ug / L) Enforcement Standard - 5 Preventive Action Limit - 0.5	04/06/1993	X	X		18	7.4							8.6							0.01	1.6				2.9	3.5			
	06/01/1993	X	X		27	3.3							12							1.6	1.5				0.1	4.5			
	10/05/1993	X	X		22	3.3							12							1.6	0.01				1.9	3.9			
	12/15/1993	X	X		16	2.6							10							1.1	0.01				1.8	3.1			
	03/15/1994	X	X		13	2.1							9							0.01	0.01				1.8	2.9			
	06/16/1994	X	X		45	3.7							16							2.2	1.7				2.7	3.7			
	09/12/1994	X	X		31	8.9							12							2.3	1.3				1.7	3.6			
	09/12/1995	X	X		37	6.2							11							1.9	1.3								
	06/29/1996	X	X		27	5.9							8.7							1.4	1.3								
	06/04/1997	X	X		28	5.3							8.6									0.6					0.14		
	06/10/1998	X	X		37	6.5							9.8							1.9	0.49								
	06/15/1999	X	X		58	3.4														1.7									
	09/21/1999	X	X										7.8							1.5	0.65						0.1		
	12/13/1999	X	X					9	110				9							0.66	0.68			1					
	03/13/2000	X	X					6.4	97				8.2							1.8	0.75			0.8					
06/27/2000	X	X					3.3	120				7.3							2	0.61			0.88						
1,2,4-Trimethylbenzene	09/21/1999																	0.5	0.44				0.45						
	12/13/1999								0.18																				
XYLENES (ug / L) Enforcement Standard - 10,000 Preventive Action Limit - 1000	06/04/1997																												
	06/15/1999			1.4				0.87	3.7											1.4		0.52	1.3						
	12/13/1999																					0.99	0.43						

	SAMPLE DATE	NR 140 Exceedences		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	A-3	B-1	B-2	C-1	C-2	D-1	D-2	E-2	F-1	F-2	F-3	G-1	G-2	H-1	PRODEN	GOULD	FOULKES	COMMENTS
		PAL	ES																									
		VINYL CHLORIDE (ug / L) Enforcement Standard - 0.2 Preventive Action Limit - 0.02	04/06/1993																									
	06/01/1993	X	X		56	5.7							6.1							2.8	0.01				X	2.4		
	10/05/1993	X	X		43	4.8							4							2.1	0.01				0.01	1.2		
	12/15/1993	X	X		38	5.7							4							1.6	0.01				0.01	0.01		
	03/15/1994	X	X		24	3.4							2.8							0.01	0.01				0.01	X		
	06/16/1994	X	X		21	3.4							8.4							1.2	0.01				0.01	0.01		
	09/12/1994	X	X		46	4.6							4.9							0.01	0.01				0.01	0.4		
	09/12/1995	X	X		34	2.1							4.9							0.01	0.01							
	06/29/1996	X	X		30	3.5							2.6							0.01	0.01							
	06/04/1997	X	X		38	2.7							2.1															
	06/10/1998	X	X		46	3.2							4.4															
	06/15/1999	X	X		7.6	2.6							5.3								0.98							
	09/21/1999	X	X										4.2															
	12/13/1999	X	X				0.77	150					8.1										0.59					
	03/13/2000	X	X					180					7.7															
	06/27/2000	X	X					160					5.8															

Values of 0.1 and 0.01 indicate that the laboratory reported <MDL for this compound on that monitoring event.
Methylene Chloride was the only compound detected in MW-1, A-2, A-3, B-1, C-1, D-1, E-1, F-1, and G-3.
W-2A were collected on May 24, 1999 prior to their abandonment.

ANALYTICAL AND QUALITY CONTROL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/13/2000

Job No: 00.05593

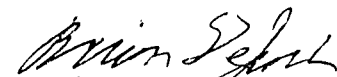
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Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

Sample Number	Sample Description	Date Taken	Date Received
401714	00069020 G-2 City of Amery LF	06/27/2000	06/29/2000
401715	00069021 G-3 City of Amery LF	06/27/2000	06/29/2000
401716	00069025 H-1 City of Amery LF	06/27/2000	06/29/2000
401717	00069001 MW-1 City of Amery LF	06/27/2000	06/29/2000
401718	00069023 MW-2R City of Amery LF	06/27/2000	06/29/2000
401719	00069024 MW-2AR City of Amery L	06/27/2000	06/29/2000
401720	00069003 MW-3 City of Amery LF	06/27/2000	06/29/2000
401721	00069101 Fouks City of Amery L	06/27/2000	06/29/2000
401722	00069102 Jackson City of Amery	06/27/2000	06/29/2000
401723	00069103 Ryan City of Amery LF	06/27/2000	06/29/2000
401724	00069997 F.B. City of Amery LF	06/27/2000	06/29/2000
401725	00069023 MW-2AR Dup City of Ame	06/27/2000	06/29/2000

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. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401699
 Account No: 13800
 Page 3 of 81

JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069005 A-1 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 09:35

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.89	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	5.88	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	Yes		n/a	n/a		06/27/2000	1678
Turbidity	Yes		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	07/11/2000	788
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1443
COD, dissolved	23	mg/L	7.3	26	EPA 410.4	07/06/2000	1545
Total Hardness, dissolved	210	mg/L	4.0	12	EPA 130.2	07/11/2000	674
N-Nitrate + Nitrite, Dissolved	0.047	mg/L	0.024	0.084	EPA 353.2	07/05/2000	1077
Solids, Total Dissolved	110	mg/L	1.0	3.3	EPA 160.1	07/03/2000	793
Sulfate, Diss., IC	<2.0	mg/L	2.0	6.7	EPA 300.0	07/08/2000	743
Iron, Dissolved	1.9	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	2.3	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401699
 Account No: 13800
 Page 4 of 81

JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069005 A-1 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 09:35

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Surr: Dibromofluoromethane	97.6	µ		89-119	SW 8260B	07/07/2000	1997
Surr: Toluene-d8	98.0	µ		88-113	SW 8260B	07/07/2000	1997
Surr: Bromofluorobenzene	97.8	µ		89-107	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/13/2000
Job No: 00.05593
Sample No: 401699
Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069005 A-1 City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 09:35

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.0	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	8.0	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401700
 Account No: 13800
 Page 6 of 81

JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069006 A-2 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 09:20

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.82	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	5.98	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	No		n/a	n/a		06/27/2000	1678
Turbidity	No		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	110	mg/L	10	33	EPA 310.2	07/11/2000	788
Chloride, dissolved	D <7.3	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1443
COD, dissolved	<7.3	mg/L	7.3	26	EPA 410.4	07/06/2000	1545
Total Hardness, dissolved	140	mg/L	4.0	12	EPA 130.2	07/11/2000	674
N-Nitrate + Nitrite, Dissolved	0.047	mg/L	0.024	0.084	EPA 353.2	07/05/2000	1077
Solids, Total Dissolved	150	mg/L	1.0	3.3	EPA 160.1	07/03/2000	793
Sulfate, Diss., IC	6.5	mg/L	2.0	6.7	EPA 300.0	07/08/2000	743
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	0.79	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401700
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069006 A-2 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 09:20

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Napthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Surr: Dibromofluoromethane	96.6	%		89-119	SW 8260B	07/07/2000	1997
Surr: Toluene-d8	98.8	%		88-113	SW 8260B	07/07/2000	1997
Surr: Bromofluorobenzene	99.0	%		89-107	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/13/2000
Job No: 00.05593
Sample No: 401700
Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069006 A-2 City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 09:20

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.5	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	290	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069007 A-3 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 09:25

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.79	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	5.95	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	No		n/a	n/a		06/27/2000	1678
Turbidity	No		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	100	mg/L	10	33	EPA 310.2	07/11/2000	788
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1443
COD, dissolved	<7.3	mg/L	7.3	26	EPA 410.4	07/06/2000	1545
Total Hardness, dissolved	170	mg/L	4.0	12	EPA 130.2	07/11/2000	674
N-Nitrate + Nitrite, Dissolved	0.047	mg/L	0.024	0.084	EPA 353.2	07/05/2000	1077
Solids, Total Dissolved	170	mg/L	1.0	3.3	EPA 160.1	07/03/2000	793
Sulfate, Diss., IC	5.4	mg/L	2.0	6.7	EPA 300.0	07/08/2000	743
Iron, Dissolved	0.10	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	0.42	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloromethane	1.5	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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 Job No: 00.05593
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069007 A-3 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 09:25

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Surr: Dibromofluoromethane	99.2	%		89-119	SW 8260B	07/07/2000	1997
Surr: Toluene-d8	98.6	%		88-113	SW 8260B	07/07/2000	1997
Surr: Bromofluorobenzene	98.0	%		89-107	SW 8260B	07/07/2000	1997

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Mr. Scott McCurdy
CEDAR CORPORATION
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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069007 A-3 City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 09:25

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.1	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	270	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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 Job No: 00.05593
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069008 B-1 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 08:30

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.84	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	79.91	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	Yes		n/a	n/a		06/27/2000	1678
Turbidity	Yes		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	07/11/2000	788
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1443
COD, dissolved	12	mg/L	7.3	26	EPA 410.4	07/06/2000	1545
Total Hardness, dissolved	70	mg/L	4.0	12	EPA 130.2	07/11/2000	674
N-Nitrate + Nitrite, Dissolved	0.047	mg/L	0.024	0.084	EPA 353.2	07/05/2000	1077
Solids, Total Dissolved	83	mg/L	1.0	3.3	EPA 160.1	07/03/2000	793
Sulfate, Diss., IC	2.4	mg/L	2.0	6.7	EPA 300.0	07/08/2000	743
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	0.49	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloromethane	1.2	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069008 B-1 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 08:30

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Surr: Dibromofluoromethane	97.2	%		89-119	SW 8260B	07/07/2000	1997
Surr: Toluene-d8	98.2	%		88-113	SW 8260B	07/07/2000	1997
Surr: Bromofluorobenzene	97.8	%		89-107	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/13/2000
Job No: 00.05593
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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069008 B-1 City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 08:30

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.4	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	140	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401703
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069009 B-2 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 08:45

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.64	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	30.11	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	Yes		n/a	n/a		06/27/2000	1678
Turbidity	No		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	340	mg/L	10	33	EPA 310.2	07/11/2000	788
Chloride, dissolved	35	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1444
COD, dissolved	12	mg/L	7.3	26	EPA 410.4	07/06/2000	1545
Total Hardness, dissolved	460	mg/L	4.0	12	EPA 130.2	07/11/2000	674
N-Nitrate + Nitrite, Dissolved	0.047	mg/L	0.024	0.084	EPA 353.2	07/05/2000	1077
Solids, Total Dissolved	610	mg/L	1.0	3.3	EPA 160.1	07/03/2000	793
Sulfate, Diss., IC	100	mg/L	2.0	6.7	EPA 300.0	07/10/2000	743
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	0.17	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroethane	1.2	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloromethane	0.85	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401703
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069009 B-2 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 08:45

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	1.6	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,2-Dichloroethene	8.9	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Tetrachloroethene	12	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1-Trichloroethane	0.63	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichloroethene	7.3	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Vinyl Chloride	5.8	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Surr: Dibromofluoromethane	96.4	%		89-119	SW 8260B	07/07/2000	1997
Surr: Toluene-d8	99.6	%		88-113	SW 8260B	07/07/2000	1997
Surr: Bromofluorobenzene	98.0	%		89-107	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069009 B-2 City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 08:45

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.4	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	980	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069010 C-1 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 11:30

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1065.43	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	29.07	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	Yes		n/a	n/a		06/27/2000	1678
Turbidity	Yes		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	07/11/2000	788
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1444
COD, dissolved	7.4	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Total Hardness, dissolved	100	mg/L	4.0	12	EPA 130.2	07/11/2000	674
N-Nitrate + Nitrite, Dissolved	2.0	mg/L	0.024	0.084	EPA 353.2	07/05/2000	1077
Solids, Total Dissolved	150	mg/L	1.0	3.3	EPA 160.1	07/03/2000	793
Sulfate, Diss., IC	5.9	mg/L	2.0	6.7	EPA 300.0	07/08/2000	743
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069010 C-1 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 11:30

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Tetrachloroethene	0.28	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Surr: Dibromofluoromethane	97.2	%		89-119	SW 8260B	07/07/2000	1997
Surr: Toluene-d8	97.8	%		88-113	SW 8260B	07/07/2000	1997
Surr: Bromofluorobenzene	97.4	%		89-107	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/13/2000
Job No: 00.05593
Sample No: 401704
Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069010 C-1 City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 11:30

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.8	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	190	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401705
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069011 C-2 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 11:40

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.85	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	29.46	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	Yes		n/a	n/a		06/27/2000	1678
Turbidity	Yes		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	95	mg/L	10	33	EPA 310.2	07/11/2000	788
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1444
COD, dissolved	<7.3	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Total Hardness, dissolved	130	mg/L	4.0	12	EPA 130.2	07/11/2000	674
N-Nitrate + Nitrite, Dissolved	0.80	mg/L	0.024	0.084	EPA 353.2	07/05/2000	1077
Solids, Total Dissolved	150	mg/L	1.0	3.3	EPA 160.1	07/03/2000	793
Sulfate, Diss., IC	5.4	mg/L	2.0	6.7	EPA 300.0	07/08/2000	743
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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 Job No: 00.05593
 Sample No: 401705
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069011 C-2 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 11:40

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Tetrachloroethene	0.51	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Surr: Dibromofluoromethane	97.4	µ		89-119	SW 8260B	07/07/2000	1997
Surr: Toluene-d8	100.6	µ		88-113	SW 8260B	07/07/2000	1997
Surr: Bromofluorobenzene	98.0	µ		89-107	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401705
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069011 C-2 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 11:40

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
pH, Field	8.0	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	230	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401706
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069012 D-1 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 13:35

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.89	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	7.32	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	Yes		n/a	n/a		06/27/2000	1678
Turbidity	Yes		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	07/11/2000	788
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1444
COD, dissolved	<7.3	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Total Hardness, dissolved	10	mg/L	4.0	12	EPA 130.2	07/11/2000	674
N-Nitrate + Nitrite, Dissolved	0.17	mg/L	0.024	0.084	EPA 353.2	07/05/2000	1077
Solids, Total Dissolved	37	mg/L	1.0	3.3	EPA 160.1	07/03/2000	793
Sulfate, Diss., IC	<2.0	mg/L	2.0	6.7	EPA 300.0	07/11/2000	744
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloromethane	2.2	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401706
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069012 D-1 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 13:35

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Surr: Dibromofluoromethane	98.0	µ		89-119	SW 8260B	07/07/2000	1997
Surr: Toluene-d8	99.0	µ		88-113	SW 8260B	07/07/2000	1997
Surr: Bromofluorobenzene	97.4	µ		89-107	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/13/2000
Job No: 00.05593
Sample No: 401706
Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069012 D-1 City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 13:35

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.9	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	50	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401707
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069013 D-2 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 13:45

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.33	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	7.92	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	No		n/a	n/a		06/27/2000	1678
Turbidity	No		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	07/11/2000	788
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1444
COD, dissolved	7.4	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Total Hardness, dissolved	30	mg/L	4.0	12	EPA 130.2	07/11/2000	674
N-Nitrate + Nitrite, Dissolved	0.47	mg/L	0.024	0.084	EPA 353.2	07/05/2000	1077
Solids, Total Dissolved	62	mg/L	1.0	3.3	EPA 160.1	07/03/2000	793
Sulfate, Diss., IC	4.1	mg/L	2.0	6.7	EPA 300.0	07/11/2000	744
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloromethane	1.1	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401707
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069013 D-2 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 13:45

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Surr: Dibromofluoromethane	98.2	%		89-119	SW 8260B	07/07/2000	1997
Surr: Toluene-d8	97.6	%		88-113	SW 8260B	07/07/2000	1997
Surr: Bromofluorobenzene	97.2	%		89-107	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/13/2000
Job No: 00.05593
Sample No: 401707
Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069013 D-2 City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 13:45

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.6	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	90	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401708
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069014 E-1 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 14:00

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.85	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	19.12	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	No		n/a	n/a		06/27/2000	1678
Turbidity	No		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	07/11/2000	788
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1444
COD, dissolved	11	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Total Hardness, dissolved	60	mg/L	4.0	12	EPA 130.2	07/11/2000	674
N-Nitrate + Nitrite, Dissolved	0.047	mg/L	0.024	0.084	EPA 353.2	07/05/2000	1077
Solids, Total Dissolved	89	mg/L	1.0	3.3	EPA 160.1	07/03/2000	793
Sulfate, Diss., IC	6.8	mg/L	2.0	6.7	EPA 300.0	07/11/2000	744
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401708
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069014 E-1 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 14:00

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Surr: Dibromofluoromethane	98.0	%		89-119	SW 8260B	07/07/2000	1997
Surr: Toluene-d8	98.2	%		88-113	SW 8260B	07/07/2000	1997
Surr: Bromofluorobenzene	96.6	%		89-107	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/13/2000
Job No: 00.05593
Sample No: 401708
Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069014 E-1 City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 14:00

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.7	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	120	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401709
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069015 E-2 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 14:05

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.13	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	20.30	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	No		n/a	n/a		06/27/2000	1678
Turbidity	No		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	07/11/2000	788
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1444
COD, dissolved	18	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Total Hardness, dissolved	50	mg/L	4.0	12	EPA 130.2	07/11/2000	674
N-Nitrate + Nitrite, Dissolved	0.047	mg/L	0.024	0.084	EPA 353.2	07/05/2000	1077
Solids, Total Dissolved	140	mg/L	1.0	3.3	EPA 160.1	07/03/2000	793
Sulfate, Diss., IC	<2.0	mg/L	2.0	6.7	EPA 300.0	07/11/2000	744
Iron, Dissolved	24	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	0.48	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401709
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069015 E-2 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 14:05

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Surr: Dibromofluoromethane	98.6	%		89-119	SW 8260B	07/07/2000	1997
Surr: Toluene-d8	97.2	%		88-113	SW 8260B	07/07/2000	1997
Surr: Bromofluorobenzene	97.6	%		89-107	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/13/2000
Job No: 00.05593
Sample No: 401709
Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069015 E-2 City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 14:05

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.1	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	230	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401710
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069016 F-1 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 12:15

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.51	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	6.17	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	Yes		n/a	n/a		06/27/2000	1678
Turbidity	Yes		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	07/11/2000	788
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1444
COD, dissolved	22	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Total Hardness, dissolved	100	mg/L	4.0	12	EPA 130.2	07/11/2000	674
N-Nitrate + Nitrite, Dissolved	1.4	mg/L	0.024	0.084	EPA 353.2	07/05/2000	1077
Solids, Total Dissolved	85	mg/L	1.0	3.3	EPA 160.1	07/03/2000	793
Sulfate, Diss., IC	3.0	mg/L	2.0	6.7	EPA 300.0	07/11/2000	744
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401710
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069016 F-1 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 12:15

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1997
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1997
Surr: Dibromofluoromethane	96.2	µ		89-119	SW 8260B	07/07/2000	1997
Surr: Toluene-d8	98.2	µ		88-113	SW 8260B	07/07/2000	1997
Surr: Bromofluorobenzene	97.0	µ		89-107	SW 8260B	07/07/2000	1997

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

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Job No: 00.05593
Sample No: 401710
Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069016 F-1 City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 12:15

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	8.4	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	90	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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 Job No: 00.05593
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069017 F-2 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 12:10

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.13	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	7.59	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	No		n/a	n/a		06/27/2000	1678
Turbidity	No		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	140	mg/L	10	33	EPA 310.2	07/11/2000	788
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1444
COD, dissolved	<7.3	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Total Hardness, dissolved	180	mg/L	4.0	12	EPA 130.2	07/11/2000	674
N-Nitrate + Nitrite, Dissolved	0.047	mg/L	0.024	0.084	EPA 353.2	07/05/2000	1077
Solids, Total Dissolved	240	mg/L	1.0	3.3	EPA 160.1	07/03/2000	792
Sulfate, Diss., IC	8.9	mg/L	2.0	6.7	EPA 300.0	07/11/2000	744
Iron, Dissolved	1.9	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	0.26	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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 Job No: 00.05593
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069017 F-2 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 12:10

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloroethene	0.67	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,2-Dichloroethene	4.2	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Tetrachloroethene	0.89	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1-Trichloroethane	0.68	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichloroethene	2.0	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Vinyl Chloride	1.5	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Surr: Dibromofluoromethane	102.0	µ		89-119	SW 8260B	07/07/2000	1999
Surr: Toluene-d8	98.8	µ		88-113	SW 8260B	07/07/2000	1999
Surr: Bromofluorobenzene	99.6	µ		89-107	SW 8260B	07/07/2000	1999

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/13/2000
Job No: 00.05593
Sample No: 401711
Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069017 F-2 City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 12:10

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.6	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	320	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401712
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069018 F-3 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 12:20

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.13	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	7.98	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	No		n/a	n/a		06/27/2000	1678
Turbidity	No		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	120	mg/L	10	33	EPA 310.2	07/11/2000	788
Chloride, dissolved	<5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1444
COD, dissolved	<7.3	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Total Hardness, dissolved	180	mg/L	4.0	12	EPA 130.2	07/12/2000	675
N-Nitrate + Nitrite, Dissolved	0.18	mg/L	0.024	0.084	EPA 353.2	07/05/2000	1077
Solids, Total Dissolved	230	mg/L	1.0	3.3	EPA 160.1	07/03/2000	792
Sulfate, Diss., IC	6.5	mg/L	2.0	6.7	EPA 300.0	07/11/2000	744
Iron, Dissolved	0.12	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	0.0045	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401712
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069018 F-3 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 12:20

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Tetrachloroethene	1.4	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichloroethene	0.61	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Surr: Dibromofluoromethane	101.0	%		89-119	SW 8260B	07/07/2000	1999
Surr: Toluene-d8	98.6	%		88-113	SW 8260B	07/07/2000	1999
Surr: Bromofluorobenzene	96.8	%		89-107	SW 8260B	07/07/2000	1999

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/13/2000
Job No: 00.05593
Sample No: 401712
Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069018 F-3 City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 12:20

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.8	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	280	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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 Job No: 00.05593
 Sample No: 401713
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069019 G-1 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 14:30

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1065.65	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	6.52	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	Yes		n/a	n/a		06/27/2000	1678
Turbidity	Yes		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	07/11/2000	788
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1444
COD, dissolved	14	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Total Hardness, dissolved	30	mg/L	4.0	12	EPA 130.2	07/12/2000	675
N-Nitrate + Nitrite, Dissolved	1.0	mg/L	0.024	0.084	EPA 353.2	07/11/2000	1078
Solids, Total Dissolved	95	mg/L	1.0	3.3	EPA 160.1	07/03/2000	792
Sulfate, Diss., IC	2.7	mg/L	2.0	6.7	EPA 300.0	07/11/2000	744
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401713
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069019 G-1 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 14:30

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Surr: Dibromofluoromethane	101.6	%		89-119	SW 8260B	07/07/2000	1999
Surr: Toluene-d8	98.0	%		88-113	SW 8260B	07/07/2000	1999
Surr: Bromofluorobenzene	97.4	%		89-107	SW 8260B	07/07/2000	1999

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/13/2000
Job No: 00.05593
Sample No: 401713
Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069019 G-1 City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 14:30

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	7.0	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	110	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401714
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069020 G-2 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 14:35

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1063.76	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	8.28	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	No		n/a	n/a		06/27/2000	1678
Turbidity	No		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	D <50	mg/L	10	33	EPA 310.2	07/11/2000	788
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1444
COD, dissolved	11	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Total Hardness, dissolved	70	mg/L	4.0	12	EPA 130.2	07/12/2000	675
N-Nitrate + Nitrite, Dissolved	0.031	mg/L	0.024	0.084	EPA 353.2	07/11/2000	1078
Solids, Total Dissolved	140	mg/L	1.0	3.3	EPA 160.1	07/03/2000	792
Sulfate, Diss., IC	<2.0	mg/L	2.0	6.7	EPA 300.0	07/11/2000	744
Iron, Dissolved	0.10	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	0.26	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401714
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069020 G-2 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 14:35

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Surr: Dibromofluoromethane	101.8	µ		89-119	SW 8260B	07/07/2000	1999
Surr: Toluene-d8	98.2	µ		88-113	SW 8260B	07/07/2000	1999
Surr: Bromofluorobenzene	97.4	µ		89-107	SW 8260B	07/07/2000	1999

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/13/2000
Job No: 00.05593
Sample No: 401714
Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069020 G-2 City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 14:35

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.5	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	170	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401715
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069021 G-3 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 14:50

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1063.83	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	7.88	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	No		n/a	n/a		06/27/2000	1678
Turbidity	No		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	130	mg/L	10	33	EPA 310.2	07/11/2000	788
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1444
COD, dissolved	<7.3	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Total Hardness, dissolved	170	mg/L	4.0	12	EPA 130.2	07/12/2000	675
N-Nitrate + Nitrite, Dissolved	0.031	mg/L	0.024	0.084	EPA 353.2	07/11/2000	1078
Solids, Total Dissolved	220	mg/L	1.0	3.3	EPA 160.1	07/03/2000	792
Sulfate, Diss., IC	4.9	mg/L	2.0	6.7	EPA 300.0	07/11/2000	744
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	0.084	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401715
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069021 G-3 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 14:50

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Surr: Dibromofluoromethane	101.4	%		89-119	SW 8260B	07/07/2000	1999
Surr: Toluene-d8	98.8	%		88-113	SW 8260B	07/07/2000	1999
Surr: Bromofluorobenzene	99.4	%		89-107	SW 8260B	07/07/2000	1999

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069021 G-3 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 14:50

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
pH, Field	7.4	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	330	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401716
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069025 H-1 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 12:30

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.69	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	4.33	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	No		n/a	n/a		06/27/2000	1678
Turbidity	No		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	120	mg/L	10	33	EPA 310.2	07/11/2000	788
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1444
COD, dissolved	<7.3	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Total Hardness, dissolved	170	mg/L	4.0	12	EPA 130.2	07/12/2000	675
N-Nitrate + Nitrite, Dissolved	0.031	mg/L	0.024	0.084	EPA 353.2	07/11/2000	1078
Solids, Total Dissolved	220	mg/L	1.0	3.3	EPA 160.1	07/03/2000	792
Sulfate, Diss., IC	6.3	mg/L	2.0	6.7	EPA 300.0	07/11/2000	744
Iron, Dissolved	1.0	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	0.23	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
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 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069025 H-1 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 12:30

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	0.27	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,2-Dichloroethene	2.6	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichloroethene	0.88	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Surr: Dibromofluoromethane	103.4	µ		89-119	SW 8260B	07/07/2000	1999
Surr: Toluene-d8	97.6	µ		88-113	SW 8260B	07/07/2000	1999
Surr: Bromofluorobenzene	98.4	µ		89-107	SW 8260B	07/07/2000	1999

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/13/2000
Job No: 00.05593
Sample No: 401716
Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069025 H-1 City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 12:30

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	8.0	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	310	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
 Job No: 00.05593
 Sample No: 401717
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069001 MW-1 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 10:55

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1065.91	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	43.54	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	Yes		n/a	n/a		06/27/2000	1678
Turbidity	Yes		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3) D	<50	mg/L	10	33	EPA 310.2	07/11/2000	789
Chloride, dissolved	5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1444
COD, dissolved	20	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Total Hardness, dissolved	180	mg/L	4.0	12	EPA 130.2	07/12/2000	675
N-Nitrate + Nitrite, Dissolved	13	mg/L	0.024	0.084	EPA 353.2	07/11/2000	1078
Solids, Total Dissolved	280	mg/L	1.0	3.3	EPA 160.1	07/03/2000	792
Sulfate, Diss., IC	33	mg/L	2.0	6.7	EPA 300.0	07/11/2000	744
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	1.4	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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 Job No: 00.05593
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069001 MW-1 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 10:55

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Tetrachloroethene	0.33	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Surr: Dibromofluoromethane	102.4	%		89-119	SW 8260B	07/07/2000	1999
Surr: Toluene-d8	98.2	%		88-113	SW 8260B	07/07/2000	1999
Surr: Bromofluorobenzene	96.8	%		89-107	SW 8260B	07/07/2000	1999

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Mr. Scott McCurdy
CEDAR CORPORATION
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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069001 MW-1 City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 10:55

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.7	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	410	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
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 Menomonie, WI 54751

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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069023 MW-2R City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 10:25

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1065.57	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	26.13	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	Yes		n/a	n/a		06/27/2000	1678
Turbidity	Yes		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	180	mg/L	10	33	EPA 310.2	07/11/2000	789
Chloride, dissolved	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1444
COD, dissolved	24	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Total Hardness, dissolved	230	mg/L	4.0	12	EPA 130.2	07/12/2000	675
N-Nitrate + Nitrite, Dissolved	2.9	mg/L	0.024	0.084	EPA 353.2	07/11/2000	1078
Solids, Total Dissolved	350	mg/L	1.0	3.3	EPA 160.1	07/03/2000	792
Sulfate, Diss., IC	18	mg/L	2.0	6.7	EPA 300.0	07/11/2000	744
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1564
Manganese, Dissolved	<0.0086	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069023 MW-2R City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 10:25

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Tetrachloroethene	8.5	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1-Trichloroethane	0.88	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichloroethene	3.3	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Surr: Dibromofluoromethane	101.6	%		89-119	SW 8260B	07/07/2000	1999
Surr: Toluene-d8	97.0	%		88-113	SW 8260B	07/07/2000	1999
Surr: Bromofluorobenzene	97.2	%		89-107	SW 8260B	07/07/2000	1999

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/13/2000
Job No: 00.05593
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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069023 MW-2R City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 10:25

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.7	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	580	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/14/2000
 Job No: 00.05593
 Sample No: 401719
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069024 MW-2AR City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 10:20

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1064.44	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	27.36	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	No		n/a	n/a		06/27/2000	1678
Turbidity	No		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	720	mg/L	10	33	EPA 310.2	07/11/2000	789
Chloride, dissolved	220	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1444
COD, dissolved	34	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Total Hardness, dissolved	1,000	mg/L	4.0	12	EPA 130.2	07/12/2000	675
N-Nitrate + Nitrite, Dissolved	0.031	mg/L	0.024	0.084	EPA 353.2	07/11/2000	1078
Solids, Total Dissolved	1,600	mg/L	1.0	3.3	EPA 160.1	07/03/2000	792
Sulfate, Diss., IC	350	mg/L	2.0	6.7	EPA 300.0	07/12/2000	744
Iron, Dissolved	<0.024	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1565
Manganese, Dissolved	0.068	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1004
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.20	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Bromobenzene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromochloromethane	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromodichloromethane	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromoform	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromomethane	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Butylbenzene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
sec-Butylbenzene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
tert-Butylbenzene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Carbon Tetrachloride	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorobenzene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorodibromomethane	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroethane	15	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroform	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloromethane	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2-Chlorotoluene	<0.20	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
4-Chlorotoluene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromo-3-Chloropropane	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromoethane (EDB)	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dibromomethane	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichlorobenzene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichlorobenzene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,4-Dichlorobenzene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dichlorodifluoromethane	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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 Job No: 00.05593
 Sample No: 401719
 Account No: 13800
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069024 MW-2AR City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 10:20

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	29	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloroethane	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloroethene	37	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,2-Dichloroethene	150	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,2-Dichloroethene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloropropane	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichloropropane	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2,2-Dichloropropane	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloropropene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,3-Dichloropropene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,3-Dichloropropene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Di-isopropyl ether	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Ethylbenzene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Hexachlorobutadiene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Isopropylbenzene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
p-Isopropyltoluene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methylene Chloride	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methyl-t-butyl ether	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Naphthalene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Propylbenzene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Styrene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1,2-Tetrachloroethane	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1,2,2-Tetrachloroethane	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Tetrachloroethene	120	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Toluene	<0.20	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,2,3-Trichlorobenzene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trichlorobenzene	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1-Trichloroethane	52	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,2-Trichloroethane	4.7	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichloroethene	120	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichlorofluoromethane	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,3-Trichloropropane	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trimethylbenzene	<0.20	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,3,5-Trimethylbenzene	<0.20	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Vinyl Chloride	160	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Xylenes, Total	<0.50	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Surr: Dibromofluoromethane	101.0	%		89-119	SW 8260B	07/07/2000	1999
Surr: Toluene-d8	97.2	%		88-113	SW 8260B	07/07/2000	1999
Surr: Bromofluorobenzene	98.0	%		89-107	SW 8260B	07/07/2000	1999

ANALYTICAL REPORT

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CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069024 MW-2AR City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 10:20

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
pH, Field	6.6	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	>2,000	umhos/cm	n/a	n/a		06/27/2000	1548

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Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069003 MW-3 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 09:50

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Groundwater Elev.	1065.76	MSL	n/a	n/a		06/27/2000	1703
Depth to GW	9.84	Feet	n/a	n/a		06/27/2000	1661
Odor	No		n/a	n/a		06/27/2000	1682
Color	No		n/a	n/a		06/27/2000	1678
Turbidity	No		n/a	n/a		06/27/2000	1602
T. Alkalinity, diss. (CaCO3)	120	mg/L	10	33	EPA 310.2	07/11/2000	789
Chloride, dissolved	12	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1444
COD, dissolved	12	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Total Hardness, dissolved	170	mg/L	4.0	12	EPA 130.2	07/12/2000	675
N-Nitrate + Nitrite, Dissolved	2.4	mg/L	0.024	0.084	EPA 353.2	07/11/2000	1078
Solids, Total Dissolved	240	mg/L	1.0	3.3	EPA 160.1	07/03/2000	792
Sulfate, Diss., IC	8.4	mg/L	2.0	6.7	EPA 300.0	07/11/2000	744
Iron, Dissolved	2.4	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1565
Manganese, Dissolved	2.7	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1005
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069003 MW-3 City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 09:50

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Surr: Dibromofluoromethane	101.6	%		89-119	SW 8260B	07/07/2000	1999
Surr: Toluene-d8	98.0	%		88-113	SW 8260B	07/07/2000	1999
Surr: Bromofluorobenzene	97.4	%		89-107	SW 8260B	07/07/2000	1999

ANALYTICAL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

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JOB DESCRIPTION: City of Amery Landfill
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: 00069003 MW-3 City of Amery LF
Rec'd on ice

Date/Time Taken: 06/27/2000 09:50

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
pH, Field	6.4	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	400	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069101 Fouks City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 11:15

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Odor	No		n/a	n/a		06/27/2000	1682
Color	No		n/a	n/a		06/27/2000	1678
Turbidity	No		n/a	n/a		06/27/2000	1602
Alkalinity, total (CaCO3)	110	mg/L	10	33	EPA 310.2	07/11/2000	789
Chloride	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1443
COD, Total	<7.3	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Hardness, Total	150	mg/L	4.0	12	EPA 130.2	07/12/2000	675
N-Nitrate + Nitrite	2.8	mg/L	0.024	0.084	EPA 353.2	07/11/2000	1078
Solids, Total Dissolved	210	mg/L	1.0	3.3	EPA 160.1	07/03/2000	792
Sulfate, IC	6.4	mg/L	2.0	6.7	EPA 300.0	07/11/2000	744
Turbidity	<1.0	NTU	n/a	n/a	EPA 180.1	07/11/2000	331
Iron, AA	0.069	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1565
Manganese, AA	0.012	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1005
pH, Field	7.4	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	350	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000
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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069102 Jackson City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 11:05

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Odor	No		n/a	n/a		06/27/2000	1682
Color	No		n/a	n/a		06/27/2000	1678
Turbidity	No		n/a	n/a		06/27/2000	1602
Alkalinity, total (CaCO3)	120	mg/L	10	33	EPA 310.2	07/11/2000	789
Chloride	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1443
COD, Total	<7.3	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Hardness, Total	160	mg/L	4.0	12	EPA 130.2	07/12/2000	675
N-Nitrate + Nitrite	0.22	mg/L	0.024	0.084	EPA 353.2	07/11/2000	1078
Solids, Total Dissolved	200	mg/L	1.0	3.3	EPA 160.1	07/03/2000	792
Sulfate, IC	3.7	mg/L	2.0	6.7	EPA 300.0	07/11/2000	744
Turbidity	<1.0	NTU	n/a	n/a	EPA 180.1	07/11/2000	331
Iron, AA	<0.024	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1565
Manganese, AA	0.10	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1005
pH, Field	7.5	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	330	umhos/cm	n/a	n/a		06/27/2000	1548

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069103 Ryan City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 12:00

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Odor	No		n/a	n/a		06/27/2000	1682
Color	No		n/a	n/a		06/27/2000	1678
Turbidity	No		n/a	n/a		06/27/2000	1602
Alkalinity, total (CaCO3)	D <50	mg/L	10	33	EPA 310.2	07/11/2000	789
Chloride	D <5.0	mg/L	1.0	3.3	EPA 325.2	07/11/2000	1443
COD, Total	<7.3	mg/L	7.3	26	EPA 410.4	07/11/2000	1550
Hardness, Total	120	mg/L	4.0	12	EPA 130.2	07/12/2000	675
N-Nitrate + Nitrite	1.1	mg/L	0.024	0.084	EPA 353.2	07/11/2000	1078
Solids, Total Dissolved	140	mg/L	1.0	3.3	EPA 160.1	07/03/2000	792
Sulfate, IC	6.5	mg/L	2.0	6.7	EPA 300.0	07/11/2000	744
Turbidity	<1.0	NTU	n/a	n/a	EPA 180.1	07/11/2000	331
Iron, AA	<0.024	mg/L	0.024	0.085	EPA 236.1	07/13/2000	1565
Manganese, AA	<0.0086	mg/L	0.0086	0.030	EPA 243.1	07/12/2000	1005
pH, Field	7.8	units	n/a	n/a	EPA 150.1	06/27/2000	2035
Field Conductivity @ 25 C	200	umhos/cm	n/a	n/a		06/27/2000	1548

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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069997 F.B. City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 12:15

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloroform	0.85	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999

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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069997 F.B. City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 12:15

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/07/2000	1999
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/07/2000	1999
Surr: Dibromofluoromethane	102.0	%		89-119	SW 8260B	07/07/2000	1999
Surr: Toluene-d8	97.6	%		88-113	SW 8260B	07/07/2000	1999
Surr: Bromofluorobenzene	97.6	%		89-107	SW 8260B	07/07/2000	1999

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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069023 MW-2AR Dup City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 10:20

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.40	ug/L	0.10	0.33	SW 8260B	07/10/2000	2002
Bromobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Bromochloromethane	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Bromodichloromethane	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Bromoform	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Bromomethane	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
n-Butylbenzene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
sec-Butylbenzene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
tert-Butylbenzene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Carbon Tetrachloride	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Chlorobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Chlorodibromomethane	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Chloroethane	14	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Chloroform	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Chloromethane	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
2-Chlorotoluene	<0.40	ug/L	0.10	0.33	SW 8260B	07/10/2000	2002
4-Chlorotoluene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
1,2-Dibromo-3-Chloropropane	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
1,2-Dibromoethane (EDB)	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Dibromomethane	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
1,2-Dichlorobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
1,3-Dichlorobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
1,4-Dichlorobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Dichlorodifluoromethane	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
1,1-Dichloroethane	28	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
1,2-Dichloroethane	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
1,1-Dichloroethene	34	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
cis-1,2-Dichloroethene	140	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
trans-1,2-Dichloroethene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
1,2-Dichloropropane	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
1,3-Dichloropropane	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
2,2-Dichloropropane	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
1,1-Dichloropropene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
cis-1,3-Dichloropropene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
trans-1,3-Dichloropropene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Di-isopropyl ether	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Ethylbenzene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Hexachlorobutadiene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002

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JOB DESCRIPTION: City of Amery Landfill
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069023 MW-2AR Dup City of Amery LF
 Rec'd on ice

Date/Time Taken: 06/27/2000 10:20

Date Received: 06/29/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Isopropylbenzene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
p-Isopropyltoluene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Methylene Chloride	L 4.7	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Methyl-t-butyl ether	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Naphthalene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
n-Propylbenzene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Styrene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
1,1,1,2-Tetrachloroethane	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
1,1,2,2-Tetrachloroethane	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Tetrachloroethene	110	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Toluene	<0.40	ug/L	0.10	0.33	SW 8260B	07/10/2000	2002
1,2,3-Trichlorobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
1,2,4-Trichlorobenzene	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
1,1,1-Trichloroethane	50	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
1,1,2-Trichloroethane	4.3	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Trichloroethene	110	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Trichlorofluoromethane	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
1,2,3-Trichloropropane	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
1,2,4-Trimethylbenzene	<0.40	ug/L	0.10	0.33	SW 8260B	07/10/2000	2002
1,3,5-Trimethylbenzene	<0.40	ug/L	0.10	0.33	SW 8260B	07/10/2000	2002
Vinyl Chloride	150	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Xylenes, Total	<1.0	ug/L	0.25	0.83	SW 8260B	07/10/2000	2002
Surr: Dibromofluoromethane	100.8	%		89-119	SW 8260B	07/10/2000	2002
Surr: Toluene-d8	97.8	%		88-113	SW 8260B	07/10/2000	2002
Surr: Bromofluorobenzene	100.4	%		89-107	SW 8260B	07/10/2000	2002

QUALITY CONTROL REPORT

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Job Description: City of Amery Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Alkalinity, total (CaCO3)		789	<10	10	33	mg/L
T. Alkalinity, diss. (CaCO3)		788	<10	10	33	mg/L
Chloride		1443	<1.0	1.0	3.3	mg/L
Chloride, dissolved		1444	<1.0	1.0	3.3	mg/L
COD, Total		1550	<7.3	7.3	26	mg/L
COD, dissolved		1545	<7.3	7.3	26	mg/L
Hardness, Total		675	<4.0	4.0	12	mg/L
Hardness, Total		675	<4.0	4.0	12	mg/L
Total Hardness, dissolved		674	<4.0	4.0	12	mg/L
Total Hardness, dissolved		674	<4.0	4.0	12	mg/L
N-Nitrate + Nitrite		1078	0.031	0.024	0.084	mg/L
N-Nitrate + Nitrite, Dissolved		1077	0.047	0.024	0.084	mg/L
Sulfate, IC		744	<2.0	2.0	6.7	mg/L
Sulfate, Diss., IC		743	<2.0	2.0	6.7	mg/L
Iron, AA		1565	<0.024	0.024	0.085	mg/L
Iron, Dissolved		1564	<0.024	0.024	0.085	mg/L
Manganese, AA		1005	<0.0086	0.0086	0.030	mg/L
Manganese, Dissolved		1004	<0.0086	0.0086	0.030	mg/L
VOC - AQUEOUS - EPA 8260B						
Benzene		1997	<0.10	0.10	0.33	ug/L
Bromobenzene		1997	<0.25	0.25	0.83	ug/L
Bromochloromethane		1997	<0.25	0.25	0.83	ug/L
Bromodichloromethane		1997	<0.25	0.25	0.83	ug/L
Bromoform		1997	<0.25	0.25	0.83	ug/L
Bromomethane		1997	<0.25	0.25	0.83	ug/L
n-Butylbenzene		1997	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		1997	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		1997	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		1997	<0.25	0.25	0.83	ug/L
Chlorobenzene		1997	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		1997	<0.25	0.25	0.83	ug/L
Chloroethane		1997	<0.25	0.25	0.83	ug/L
Chloroform		1997	<0.25	0.25	0.83	ug/L
Chloromethane		1997	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		1997	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		1997	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		1997	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

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Job Description: City of Amery Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
2-Dibromoethane (EDB)		1997	<0.25	0.25	0.83	ug/L
bromomethane		1997	<0.25	0.25	0.83	ug/L
2-Dichlorobenzene		1997	<0.25	0.25	0.83	ug/L
3-Dichlorobenzene		1997	<0.25	0.25	0.83	ug/L
4-Dichlorobenzene		1997	<0.25	0.25	0.83	ug/L
chlorodifluoromethane		1997	<0.25	0.25	0.83	ug/L
1-Dichloroethane		1997	<0.25	0.25	0.83	ug/L
2-Dichloroethane		1997	<0.25	0.25	0.83	ug/L
1-Dichloroethene		1997	<0.25	0.25	0.83	ug/L
s-1,2-Dichloroethene		1997	<0.25	0.25	0.83	ug/L
ans-1,2-Dichloroethene		1997	<0.25	0.25	0.83	ug/L
2-Dichloropropane		1997	<0.25	0.25	0.83	ug/L
3-Dichloropropane		1997	<0.25	0.25	0.83	ug/L
2-Dichloropropane		1997	<0.25	0.25	0.83	ug/L
1-Dichloropropene		1997	<0.25	0.25	0.83	ug/L
s-1,3-Dichloropropene		1997	<0.25	0.25	0.83	ug/L
ans-1,3-Dichloropropene		1997	<0.25	0.25	0.83	ug/L
-isopropyl ether		1997	<0.25	0.25	0.83	ug/L
nylbenzene		1997	<0.25	0.25	0.83	ug/L
nachlorobutadiene		1997	<0.25	0.25	0.83	ug/L
opropylbenzene		1997	<0.25	0.25	0.83	ug/L
Isopropyltoluene		1997	<0.25	0.25	0.83	ug/L
ethylene Chloride		1997	0.32	0.25	0.83	ug/L
ethyl-t-butyl ether		1997	<0.25	0.25	0.83	ug/L
phthalene		1997	<0.25	0.25	0.83	ug/L
Propylbenzene		1997	<0.25	0.25	0.83	ug/L
ylene		1997	<0.25	0.25	0.83	ug/L
1,1,2-Tetrachloroethane		1997	<0.25	0.25	0.83	ug/L
1,2,2-Tetrachloroethane		1997	<0.25	0.25	0.83	ug/L
tetrachloroethene		1997	<0.25	0.25	0.83	ug/L
luene		1997	<0.10	0.10	0.33	ug/L
2,3-Trichlorobenzene		1997	<0.25	0.25	0.83	ug/L
2,4-Trichlorobenzene		1997	<0.25	0.25	0.83	ug/L
1,1-Trichloroethane		1997	<0.25	0.25	0.83	ug/L
1,2-Trichloroethane		1997	<0.25	0.25	0.83	ug/L
ichloroethene		1997	<0.25	0.25	0.83	ug/L
ichlorofluoromethane		1997	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

07/13/2000

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

Job No: 00.05593
 Account No: 13800

Page 80 of 81

Job Description: City of Amery Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Bromobenzene		2002	<0.25	0.25	0.83	ug/L
Bromochloromethane		2002	<0.25	0.25	0.83	ug/L
Bromodichloromethane		2002	<0.25	0.25	0.83	ug/L
Bromoform		2002	<0.25	0.25	0.83	ug/L
Bromomethane		2002	<0.25	0.25	0.83	ug/L
n-Butylbenzene		2002	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		2002	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		2002	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		2002	<0.25	0.25	0.83	ug/L
Chlorobenzene		2002	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		2002	<0.25	0.25	0.83	ug/L
Chloroethane		2002	<0.25	0.25	0.83	ug/L
Chloroform		2002	<0.25	0.25	0.83	ug/L
Chloromethane		2002	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		2002	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		2002	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		2002	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		2002	<0.25	0.25	0.83	ug/L
Dibromomethane		2002	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		2002	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		2002	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		2002	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		2002	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		2002	<0.25	0.25	0.83	ug/L
1,2-Dichloroethane		2002	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		2002	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		2002	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		2002	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		2002	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		2002	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		2002	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		2002	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		2002	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		2002	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		2002	<0.25	0.25	0.83	ug/L
Ethylbenzene		2002	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		2002	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/13/2000

Job No: 00.05593

Account No: 13800

Page 81 of 81

Job Description: City of Amery Landfill

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Isopropylbenzene		2002	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		2002	<0.25	0.25	0.83	ug/L
Methylene Chloride		2002	<0.25	0.25	0.83	ug/L
Methyl-t-butyl ether		2002	<0.25	0.25	0.83	ug/L
Naphthalene		2002	<0.25	0.25	0.83	ug/L
n-Propylbenzene		2002	<0.25	0.25	0.83	ug/L
Styrene		2002	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		2002	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		2002	<0.25	0.25	0.83	ug/L
Tetrachloroethene		2002	<0.25	0.25	0.83	ug/L
Toluene		2002	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		2002	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		2002	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		2002	<0.25	0.25	0.83	ug/L
1,1,2-Trichloroethane		2002	<0.25	0.25	0.83	ug/L
Trichloroethene		2002	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		2002	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		2002	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		2002	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		2002	<0.10	0.10	0.33	ug/L
Vinyl Chloride		2002	<0.25	0.25	0.83	ug/L
Xylenes, Total		2002	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		2002	102.2		89-119	%
Surr: Toluene-d8		2002	96.4		88-113	%
Surr: Bromofluorobenzene		2002	98.8		89-107	%

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

00069

00.05593

CHAIN OF CUSTODY RECORD



COMPANY Cedar Corporation
 ADDRESS 604 Wilson Ave Menomonie
 PHONE 715-235-9081 FAX 715-235-2727
 PROJECT DESCRIPTION/NO. Amery Landfill
 PROJECT MANAGER Scott McCurdy

REPORT TO: Cedar
 INVOICE TO: Amery City of
 P.O. NO.: _____
 QUOTE NO.: _____

602 Commerce Drive / Watertown, WI 53094
 Phone: (920) 261-1660 / Fax: (920) 261-8120

SAMPLED BY:
 NAME MARK IYERSON
Jason Lemke

NAME _____ # and Type of Containers

DATE	TIME	SAMPLE ID/DESCRIPTION	FILTERED	MATRIX	GRAB	COMP	# and Type of Containers							ANALYSES										COMMENTS				
							HCl	NOOH	HNO3	H2SO4	NONE	METHANOL	OTHER	VOC 8021	VOC 524.0	Dissolved Mn	" Fe	" NO2+NO3	" Sulfate	" Alk	" COD	" Hardness	" Chloride		" TDS			
6-27-00	935	A-1 005	3	WX			3		1	1	1						X	X	X	X	X	X	X	X	X	X		
	920	A-2 006																										
	925	A-3 007																										
	830	B-1 008																										
	845	B-2 009																										
	1130	C-1 010																										
	1140	C-2 011																										
	1335	D-1 012																										
	1345	D-2 013																										
	1400	E-1 014																										
	1405	E-2 015																										
	1215	F-1 016																										
	1210	F-2 017																										
	1220	F-3 018																										

Fax Results? _____ QC w/Results? _____
 Which regulations apply?
 NPDES/Wastewater _____ RCRA _____ UST _____
 Drinking Water _____ Other _____ None _____

CONDITION OF SAMPLE: BOTTLES INTACT? YES NO VOLATILES FREE OF HEADSPACE? YES NO BOTTLES SUPPLIED BY LAB? YES NO TEMPERATURE UPON RECEIPT: 1ced/c

RELINQUISHED BY: [Signature] DATE: 6-27 TIME: 1800 RECEIVED BY: _____ DATE: 6/29/00 TIME: 15:30 RECEIVED FOR LAB BY: [Signature]

METHOD OF SHIPMENT:
 TestAmerica Courier _____
 Client: _____
 Common Carrier: Dunham

REMARKS: 1 of 2
12/30/00

00.05593

CHAIN OF CUSTODY RECORD



COMPANY Cedar Corporation
ADDRESS 604 Wilson Ave
PHONE (715) 235-9081 FAX 715-235-2727
PROJECT DESCRIPTION/NO. Amery LIF
PROJECT MANAGER Scott McCurdy

REPORT TO: Cedar
INVOICE TO: Amery, City of
P.O. NO.:
QUOTE NO.:

602 Commerce Drive / Watertown, WI 53094
Phone: (920) 261-1660 / Fax: (920) 261-8120

MARK IYERSON

SAMPLED BY: Jason Lemke

Table with columns: DATE, TIME, SAMPLE ID/DESCRIPTION, FILTERED, MATRIX, GRAB, COMP, HCl, NHOH, HNO3, H2SO4, NONE, METHANOL, OTHER, and ANALYSES (VOC 8021, VOC 524.2, Diss Mn, Fe, NO2+NO3, Sulfate, AIK, COD, Hardness, Chloride, TDS).

Fax Results? QC w/Results?

Which regulations apply?
NPDES/Wastewater RCRA UST
Drinking Water Other None

Labels say 022

Total Parameters

LAB USE ONLY
CONDITION OF SAMPLE: BOTTLES INTACT? YES/NO VOLATILES FREE OF HEADSPACE? YES/NO BOTTLES SUPPLIED BY LAB? YES/NO TEMPERATURE UPON RECEIPT: 1ced °C

RELINQUISHED BY: DATE TIME RECEIVED BY: DATE TIME RECEIVED FOR LAB BY:

METHOD OF SHIPMENT:
TestAmerica Courier
Client:
Common Carrier: Dunham

REMARKS: 2 of 2
Cancel print well VOC per Scott M (resid 7/6/00 @ 24°C @ NCS)

CHAIN OF CUSTODY RECORD

COMPANY CEDAR CORPORATION
 ADDRESS 604 Wilson Avenue Menomonee
 PHONE 715-235-9081 FAX 715-235-2727
 PROJECT NAME/LOCATION Amery LIF
 PROJECT NUMBER 1411-0059-304-01
 PROJECT MANAGER Scott McCurdy

00.05908

REPORT TO: Cedar
 INVOICE TO: Cedar
 P.O. NO. _____
 NET QUOTE NO. _____

SAMPLED BY
Mark Iverson
 (PRINT NAME)

 (PRINT NAME)

Mark Iverson
 SIGNATURE

 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

COMMENTS

DATE	TIME	SAMPLE ID/DESCRIPTION	MATRIX	GRAB	COMP	# and Type of Containers					OTHER	VOC's
						HCl	NaOH	HNO ₃	H ₂ SO ₄	OTHER		
7-10-00	1650	Jackson 101	W	X								X
	1655	Fouks 102	W	X								X
	1705	Ryan 103	W	X								X
✓	1710	F.B.	W	X								X

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: iced
 Bottles supplied by NET? YES / NO _____

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

RELINQUISHED BY: <u>Mark Iverson</u>	DATE 7-11-00	TIME 7:15	RECEIVED BY:	RELINQUISHED BY:	DATE 7/12/00	TIME 12:10	RECEIVED FOR NET BY: <u>Calab</u>
METHOD OF SHIPMENT <u>D-Exp.</u>			REMARKS: <u>a 7/12/00</u>				

ANALYTICAL AND QUALITY CONTROL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/14/2000

Job No: 00.05908

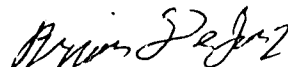
Page 1 of 11

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

Sample Number	Sample Description	Date Taken	Date Received
402865	00069101 Jackson 1411-0059 Amer	07/10/2000	07/12/2000
402866	00069102 Fouks 1411-0059 Amery	07/10/2000	07/12/2000
402867	00069103 Ryan 1411-0059 Amery L	07/10/2000	07/12/2000
402868	00069997 F.B. 1411-0059 Amery L	07/10/2000	07/12/2000

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. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/14/2000
 Job No: 00.05908
 Sample No: 402865
 Account No: 13800
 Page 2 of 11

JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069101 Jackson 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 07/10/2000 16:50

Date Received: 07/12/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/14/2000
 Job No: 00.05908
 Sample No: 402865
 Account No: 13800
 Page 3 of 11

JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069101 Jackson 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 07/10/2000 16:50

Date Received: 07/12/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Surr: Dibromofluoromethane	99.0	%		89-119	SW 8260B	07/13/2000	2008
Surr: Toluene-d8	94.8	%		88-113	SW 8260B	07/13/2000	2008
Surr: Bromofluorobenzene	96.8	%		89-107	SW 8260B	07/13/2000	2008

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/14/2000
 Job No: 00.05908
 Sample No: 402866
 Account No: 13800
 Page 4 of 11

JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069102 Fouks 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 07/10/2000 16:55

Date Received: 07/12/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/14/2000
 Job No: 00.05908
 Sample No: 402866
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069102 Fouks 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 07/10/2000 16:55

Date Received: 07/12/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Surr: Dibromofluoromethane	99.2	%		89-119	SW 8260B	07/13/2000	2008
Surr: Toluene-d8	94.6	%		88-113	SW 8260B	07/13/2000	2008
Surr: Bromofluorobenzene	97.2	%		89-107	SW 8260B	07/13/2000	2008

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/14/2000
 Job No: 00.05908
 Sample No: 402867
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069103 Ryan 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 07/10/2000 17:05

Date Received: 07/12/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/14/2000
 Job No: 00.05908
 Sample No: 402867
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069103 Ryan 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 07/10/2000 17:05

Date Received: 07/12/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Surr: Dibromofluoromethane	99.0	%		89-119	SW 8260B	07/13/2000	2008
Surr: Toluene-d8	94.0	%		88-113	SW 8260B	07/13/2000	2008
Surr: Bromofluorobenzene	96.4	%		89-107	SW 8260B	07/13/2000	2008

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/14/2000
 Job No: 00.05908
 Sample No: 402868
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069997 F.B. 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 07/10/2000 17:10

Date Received: 07/12/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloroform	0.44	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/14/2000
 Job No: 00.05908
 Sample No: 402868
 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069997 F.B. 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 07/10/2000 17:10

Date Received: 07/12/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Surr: Dibromofluoromethane	99.6	%		89-119	SW 8260B	07/13/2000	2008
Surr: Toluene-d8	96.0	%		88-113	SW 8260B	07/13/2000	2008
Surr: Bromofluorobenzene	98.2	%		89-107	SW 8260B	07/13/2000	2008

QUALITY CONTROL REPORT

BLANKS

07/14/2000

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

Job No: 00.05908

Account No: 13800

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Job Description: 1411-0059-304-01 Amery LF

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
VOC - AQUEOUS - EPA 8260B						
Benzene		2008	<0.10	0.10	0.33	ug/L
Bromobenzene		2008	<0.25	0.25	0.83	ug/L
Bromochloromethane		2008	<0.25	0.25	0.83	ug/L
Bromodichloromethane		2008	<0.25	0.25	0.83	ug/L
Bromoform		2008	<0.25	0.25	0.83	ug/L
Bromomethane		2008	<0.25	0.25	0.83	ug/L
n-Butylbenzene		2008	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		2008	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		2008	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		2008	<0.25	0.25	0.83	ug/L
Chlorobenzene		2008	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		2008	<0.25	0.25	0.83	ug/L
Chloroethane		2008	<0.25	0.25	0.83	ug/L
Chloroform		2008	<0.25	0.25	0.83	ug/L
Chloromethane		2008	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		2008	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		2008	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		2008	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		2008	<0.25	0.25	0.83	ug/L
Dibromomethane		2008	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		2008	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		2008	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		2008	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		2008	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		2008	<0.25	0.25	0.83	ug/L
1,2-Dichloroethane		2008	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		2008	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		2008	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		2008	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		2008	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		2008	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		2008	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		2008	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		2008	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		2008	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		2008	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/14/2000

Job No: 00.05908
 Account No: 13800

Page 11 of 11

Job Description: 1411-0059-304-01 Amery LF

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Ethylbenzene		2008	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		2008	<0.25	0.25	0.83	ug/L
Isopropylbenzene		2008	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		2008	<0.25	0.25	0.83	ug/L
Methylene Chloride		2008	<0.25	0.25	0.83	ug/L
Methyl-t-butyl ether		2008	<0.25	0.25	0.83	ug/L
Naphthalene		2008	<0.25	0.25	0.83	ug/L
n-Propylbenzene		2008	<0.25	0.25	0.83	ug/L
Styrene		2008	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		2008	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		2008	<0.25	0.25	0.83	ug/L
Tetrachloroethene		2008	<0.25	0.25	0.83	ug/L
Toluene		2008	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		2008	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		2008	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		2008	<0.25	0.25	0.83	ug/L
1,1,2-Trichloroethane		2008	<0.25	0.25	0.83	ug/L
Trichloroethene		2008	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		2008	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		2008	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		2008	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		2008	<0.10	0.10	0.33	ug/L
Vinyl Chloride		2008	<0.25	0.25	0.83	ug/L
Xylenes, Total		2008	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		2008	97.4		89-119	%
Surr: Toluene-d8		2008	96.6		88-113	%
Surr: Bromofluorobenzene		2008	97.4		89-107	%

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d



NATIONAL ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY RECORD

COMPANY CEDAR CORPORATION
 ADDRESS 604 Wilson Avenue Menomonee
 PHONE 715-235-9081 FAX 715-235-2727
 PROJECT NAME/LOCATION Amery LIF
 PROJECT NUMBER 1411-0059-304-01
 PROJECT MANAGER Scott McCurdy

00.05908

REPORT TO: Cedar
 INVOICE TO: Cedar
 P.O. NO. _____
 NET QUOTE NO. _____

SAMPLED BY
Mark Iverson
 (PRINT NAME)

 (PRINT NAME)

Mark Iverson
 SIGNATURE

 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	VOC's
						HCl	NaOH	HNO ₃	H ₂ SO ₄				
7-10-00	1650	Jackson 101	W	X		3							X
	1655	Fouks 102	W	X		3							X
	1705	Ryan 103	W	X		3							X
	1710	F.B.	W	X		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: iced
 Bottles supplied by NET? YES / NO _____

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

RELINQUISHED BY: <u>Mark Iverson</u>	DATE: <u>7-11-00</u>	TIME: <u>715</u>	RECEIVED BY: _____	RELINQUISHED BY: _____	DATE: <u>7/12/00</u>	TIME: <u>12:10</u>	RECEIVED FOR NET BY: <u>Calab</u>
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METHOD OF SHIPMENT: D-Exp.

REMARKS: _____

ANALYTICAL AND QUALITY CONTROL REPORT

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

07/14/2000

Job No: 00.05908

Page 1 of 11

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

Sample Number	Sample Description	Date Taken	Date Received
402865	00069101 Jackson 1411-0059 Amer	07/10/2000	07/12/2000
402866	00069102 Fouks 1411-0059 Amery	07/10/2000	07/12/2000
402867	00069103 Ryan 1411-0059 Amery L	07/10/2000	07/12/2000
402868	00069997 F.B. 1411-0059 Amery L	07/10/2000	07/12/2000

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. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/14/2000
 Job No: 00.05908
 Sample No: 402865
 Account No: 13800
 Page 2 of 11

JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069101 Jackson 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 07/10/2000 16:50

Date Received: 07/12/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/14/2000
 Job No: 00.05908
 Sample No: 402865
 Account No: 13800
 Page 3 of 11

JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069101 Jackson 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 07/10/2000 16:50

Date Received: 07/12/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Surr: Dibromofluoromethane	99.0	%		89-119	SW 8260B	07/13/2000	2008
Surr: Toluene-d8	94.8	%		88-113	SW 8260B	07/13/2000	2008
Surr: Bromofluorobenzene	96.8	%		89-107	SW 8260B	07/13/2000	2008

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/14/2000
 Job No: 00.05908
 Sample No: 402866
 Account No: 13800
 Page 4 of 11

JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069102 Fouks 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 07/10/2000 16:55 Date Received: 07/12/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008

ANALYTICAL REPORT

Mr. Scott McCurdy
 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

07/14/2000
 Job No: 00.05908
 Sample No: 402866
 Account No: 13800
 Page 5 of 11

JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069102 Fouks 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 07/10/2000 16:55

Date Received: 07/12/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Surr: Dibromofluoromethane	99.2	%		89-119	SW 8260B	07/13/2000	2008
Surr: Toluene-d8	94.6	%		88-113	SW 8260B	07/13/2000	2008
Surr: Bromofluorobenzene	97.2	%		89-107	SW 8260B	07/13/2000	2008

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 CEDAR CORPORATION
 604 Wilson Avenue
 Menomonie, WI 54751

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 Job No: 00.05908
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069103 Ryan 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 07/10/2000 17:05

Date Received: 07/12/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008

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 Menomonie, WI 54751

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 Account No: 13800
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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069103 Ryan 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 07/10/2000 17:05

Date Received: 07/12/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Surr: Dibromofluoromethane	99.0	%		89-119	SW 8260B	07/13/2000	2008
Surr: Toluene-d8	94.0	%		88-113	SW 8260B	07/13/2000	2008
Surr: Bromofluorobenzene	96.4	%		89-107	SW 8260B	07/13/2000	2008

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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069997 F.B. 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 07/10/2000 17:10

Date Received: 07/12/2000

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloroform	0.44	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008

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JOB DESCRIPTION: 1411-0059-304-01 Amery LF
 PROJECT DESCRIPTION: Groundwater Analysis
 SAMPLE DESCRIPTION: 00069997 F.B. 1411-0059 Amery LF
 Rec'd on ice

Date/Time Taken: 07/10/2000 17:10

Date Received: 07/12/2000

Parameter	Results	Units	MDL	LOQ	Method	Date	Prep/Run
						Analyzed	Batch
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Methylene Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Naphthalene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	07/13/2000	2008
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	07/13/2000	2008
Surr: Dibromofluoromethane	99.6	%		89-119	SW 8260B	07/13/2000	2008
Surr: Toluene-d8	96.0	%		88-113	SW 8260B	07/13/2000	2008
Surr: Bromofluorobenzene	98.2	%		89-107	SW 8260B	07/13/2000	2008

QUALITY CONTROL REPORT

BLANKS

07/14/2000

Mr. Scott McCurdy
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

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Job Description: 1411-0059-304-01 Amery LF

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
VOC - AQUEOUS - EPA 8260B						
Benzene		2008	<0.10	0.10	0.33	ug/L
Bromobenzene		2008	<0.25	0.25	0.83	ug/L
Bromochloromethane		2008	<0.25	0.25	0.83	ug/L
Bromodichloromethane		2008	<0.25	0.25	0.83	ug/L
Bromoform		2008	<0.25	0.25	0.83	ug/L
Bromomethane		2008	<0.25	0.25	0.83	ug/L
n-Butylbenzene		2008	<0.25	0.25	0.83	ug/L
sec-Butylbenzene		2008	<0.25	0.25	0.83	ug/L
tert-Butylbenzene		2008	<0.25	0.25	0.83	ug/L
Carbon Tetrachloride		2008	<0.25	0.25	0.83	ug/L
Chlorobenzene		2008	<0.25	0.25	0.83	ug/L
Chlorodibromomethane		2008	<0.25	0.25	0.83	ug/L
Chloroethane		2008	<0.25	0.25	0.83	ug/L
Chloroform		2008	<0.25	0.25	0.83	ug/L
Chloromethane		2008	<0.25	0.25	0.83	ug/L
2-Chlorotoluene		2008	<0.10	0.10	0.33	ug/L
4-Chlorotoluene		2008	<0.25	0.25	0.83	ug/L
1,2-Dibromo-3-Chloropropane		2008	<0.25	0.25	0.83	ug/L
1,2-Dibromoethane (EDB)		2008	<0.25	0.25	0.83	ug/L
Dibromomethane		2008	<0.25	0.25	0.83	ug/L
1,2-Dichlorobenzene		2008	<0.25	0.25	0.83	ug/L
1,3-Dichlorobenzene		2008	<0.25	0.25	0.83	ug/L
1,4-Dichlorobenzene		2008	<0.25	0.25	0.83	ug/L
Dichlorodifluoromethane		2008	<0.25	0.25	0.83	ug/L
1,1-Dichloroethane		2008	<0.25	0.25	0.83	ug/L
1,2-Dichloroethane		2008	<0.25	0.25	0.83	ug/L
1,1-Dichloroethene		2008	<0.25	0.25	0.83	ug/L
cis-1,2-Dichloroethene		2008	<0.25	0.25	0.83	ug/L
trans-1,2-Dichloroethene		2008	<0.25	0.25	0.83	ug/L
1,2-Dichloropropane		2008	<0.25	0.25	0.83	ug/L
1,3-Dichloropropane		2008	<0.25	0.25	0.83	ug/L
2,2-Dichloropropane		2008	<0.25	0.25	0.83	ug/L
1,1-Dichloropropene		2008	<0.25	0.25	0.83	ug/L
cis-1,3-Dichloropropene		2008	<0.25	0.25	0.83	ug/L
trans-1,3-Dichloropropene		2008	<0.25	0.25	0.83	ug/L
Di-isopropyl ether		2008	<0.25	0.25	0.83	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT

BLANKS

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Job Description: 1411-0059-304-01 Amery LF

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Ethylbenzene		2008	<0.25	0.25	0.83	ug/L
Hexachlorobutadiene		2008	<0.25	0.25	0.83	ug/L
Isopropylbenzene		2008	<0.25	0.25	0.83	ug/L
p-Isopropyltoluene		2008	<0.25	0.25	0.83	ug/L
Methylene Chloride		2008	<0.25	0.25	0.83	ug/L
Methyl-t-butyl ether		2008	<0.25	0.25	0.83	ug/L
Naphthalene		2008	<0.25	0.25	0.83	ug/L
n-Propylbenzene		2008	<0.25	0.25	0.83	ug/L
Styrene		2008	<0.25	0.25	0.83	ug/L
1,1,1,2-Tetrachloroethane		2008	<0.25	0.25	0.83	ug/L
1,1,2,2-Tetrachloroethane		2008	<0.25	0.25	0.83	ug/L
Tetrachloroethene		2008	<0.25	0.25	0.83	ug/L
Toluene		2008	<0.10	0.10	0.33	ug/L
1,2,3-Trichlorobenzene		2008	<0.25	0.25	0.83	ug/L
1,2,4-Trichlorobenzene		2008	<0.25	0.25	0.83	ug/L
1,1,1-Trichloroethane		2008	<0.25	0.25	0.83	ug/L
1,1,2-Trichloroethane		2008	<0.25	0.25	0.83	ug/L
Trichloroethene		2008	<0.25	0.25	0.83	ug/L
Trichlorofluoromethane		2008	<0.25	0.25	0.83	ug/L
1,2,3-Trichloropropane		2008	<0.25	0.25	0.83	ug/L
1,2,4-Trimethylbenzene		2008	<0.10	0.10	0.33	ug/L
1,3,5-Trimethylbenzene		2008	<0.10	0.10	0.33	ug/L
Vinyl Chloride		2008	<0.25	0.25	0.83	ug/L
Xylenes, Total		2008	<0.25	0.25	0.83	ug/L
Surr: Dibromofluoromethane		2008	97.4		89-119	%
Surr: Toluene-d8		2008	96.6		88-113	%
Surr: Bromofluorobenzene		2008	97.4		89-107	%

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d



Kcd 11/09/99
J& DNR -cc

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www.cedarcorp.com

November 1, 1999

✓ Wm. Ryan
881 Lincoln Ave.
Amery, WI 54001

Richard Jackson
872 Lincoln Ave.
Amery, WI 54001

Herbert Fouks
876 Lincoln Ave.
Amery, WI 54001

Project: Amery Landfill
Water Well Sampling

Ladies and Gentlemen;

First, allow me to apologize for not forwarding the water supply well analytical results for the June, 1999 round completed at your residences. Attached please find the Laboratory Analytical Report for each of your wells. As the DNR in the Northern Region does not forward you copies of these reports (a courtesy extended by other districts of the DNR), Cedar Corporation will be forwarding copies of future test results to you.

The information contained in these reports indicates that the water supply wells for both the Ryan and the Jackson residences do not contain any volatile organic compounds. The Fouks well shows low level detection of two compounds - dichlorodifluoromethane and tetrachloroethene at levels of 0.28 and 0.3, respectively, micrograms per liter (or parts per billion). Both these compounds are regulated by the DNR under Wisconsin Administrative Code NR 140. In this chapter under Table 1 dichlorodifluoromethane is listed as having a Preventive Action Level of 200 micrograms per liter and tetrachloroethene is listed as having a Preventive Action Level of 0.5 micrograms per liter. Previous well samples have indicated that these compounds are present in the Fouks well on a sporadic basis including the initial round of sampling completed in 1993. The DNR has not indicated that this water supply is unfit or unhealthy. The concentrations at which Public Health is considered dangerous are 1000 parts per billion for dichlorodifluoromethane and 5 parts per billion for tetrachloroethene.

The analytical reports for the Jackson residence indicate the presence of manganese at a level of 0.031 milligrams per liter. The DNR NR 140 Preventive Action Level for manganese is 0.025 milligrams per liter. Manganese has been reported in this water supply well in previous rounds of sampling. This is the first indication that the concentration has exceeded the DNR's Preventive Action Limit. Manganese is a common constituent of ground water supplies in western Wisconsin. It is listed under DNR regulation because increases amounts can result in detrimental effects to the aesthetic quality of water including leaving a black colored deposit on water fixtures. The concentration at which Public Welfare is considered impeded is 0.05 parts per million for manganese.

As part of the cleanup activity, the City of Amery will be sampling all ground water monitoring wells and your water supply wells on a quarterly basis for the next year. This is a direct result of

the landfill capping project which was recently completed. Additional monitoring wells are to be drilled as well to complete the monitoring network. If, after one year of monitoring quarterly, the analytical results show favorable results, then the monitoring will be reduced to semi-annually.

A report of the efficiency of the landfill cap will be prepared in 5 years. This report will document all ground water monitoring completed in this period. The DNR will review this report and determine if additional action is necessary. If, however, the on going monitoring suggests the contamination is not controlled, it is likely the DNR will want additional measures to be completed.

In addition to sampling ground water and well water, the DNR is also requiring samples of the soil gas to be recovered and analyzed for presence of landfill gases.

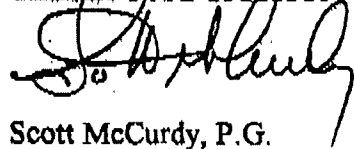
These data will continue to be made available for review at the Amery City Hall. However, as indicated earlier, the private well owners listed here will receive copies of the water supply analysis within 30 to 45 days after the wells have been sampled. As part of this presentation we will advise if the samples indicate that there are changes in the quality of your water supply.

Thank you for your patience throughout this project. Please do not hesitate to contact me at 1-800-472-7372 if you have questions or comments regarding the project. If there are questions you would feel more comfortable directing to an alternate party, I would recommend a Water Supply specialist in the Spooner DNR office. The DNR receptionist at 715-635-2101 can assist you with the correct individual with whom to speak.

Please find enclosed

Yours truly,

CEDAR CORPORATION



Scott McCurdy, P.G.
Project Manager

cc The Honorable Mayor Stower, 118 Center Street, Amery, WI 54001



April 6, 2000

Ms. Julie Riemenschneider
City of Amery
118 Center Street
Amery, WI 54001

RE: Amery Landfill, Soil Vent Monitoring
Methand Lower Explosive Limit (LEL) Exceedance
Ch. NR 507.22 Wisconsin Administrative Code

Dear Ms. Riemenschneider:

The December 1999 and March 2000 soil vent monitoring has been completed at the Amery Landfill. The results indicate that the LEL of Methane, 5.5% total volume, has been exceeded in the three gas extraction vents (V-1, V-2, and V-3) and in two of the four soil gas monitoring points (GP-1 and GP-2). The following comments pertain to these exceedances.

V-1, V-2, V-3:

Three gas extraction vents, V-1, V-2, and V-3, are located within the landfill. Methane concentrations at these three sample points have exceeded the LEL of methane during the December 1999 and March 2000 sampling events. Total percent methane concentrations have ranged from 41.2% to 63.8% during the two sampling events. Since only two rounds of data have been collected, no trends have been established to this point.

GP-1:

Gas point #1 is located northeast of the landfill. Methane concentrations in GP-1 have exceeded the LEL of 5.5% total volume methane during the December 1999 and March 2000 sampling events. Trends have not yet been established since only two rounds of data have been collected.

GP-2:

Gas point #2 is located south of the landfill. Methane concentrations in GP-2 have exceeded the LEL of 5.5% total volume methane during the December 1999 and March 2000 sampling events. Trends have not yet been established since only two rounds of data have been collected.

Results of the gas extraction vent and soil vent monitoring are shown on Table 1. The data diskette has been forwarded to the Bureau of Solid Waste in Madison and the information for the gas extraction vents has been included on Form 4400-89. Please do not hesitate to contact me or Scott McCurdy at 1-800-472-7372 should you have any questions regarding this project.

Sincerely,

CEDAR CORPORATION

Mark Iverson
Environmental Specialist

MI/br

cc: **WDNR**, Jamie Dunn, 810 West Maple St., Spooner, WI 54801
WDNR, Bureau of Solid Waste, P.O. Box 7921, Madison, WI 53707

ATTACHMENT 4
GROUNDWATER MONITORING DATA CERTIFICATION

Note: Two data certification pages and two copies of any exceedance notification and explanation must be prepared for *each* license number included on the diskette. One copy of each must be mailed to the WDNR Central Office with the diskette, the second copies must be mailed to the WDNR Regional Office for the region in which the facility is located.

Check here to indicate that a copy of this page (and a copy of the exceedance notification letter, if any) was mailed to the DNR Regional Office.

The enclosed diskette contains data for the following facility or facilities:

<u>License No.</u>	<u>Facility ID No.</u>	<u>Facility Name</u>	<u>Sample Results for Month(s) of:</u>
00069	649009240	Amery LIF	March 2000

Check one of the following:

- An exceedance notification and explanation *is attached*.
 An exceedance notification *is not attached* because there are no exceedances to report.

To the best of my knowledge, the information reported and the statements made on this diskette and enclosures are true and correct. *Furthermore, per ss. NR 140.24(1)(a) and 507.30, Wis. Adm. Code, I have attached notification of enforcement standard, preventive action limit, or alternative concentration limit exceedances, if any, which includes a list of the wells at which the exceedances occurred and a preliminary analysis of the cause and significance of the concentration.*

Mat Jenson
Signature

April 6, 2000
Date

Environmental Specialist
Title

**TABLE 1
AMERY LANDFILL - SOIL VENT DATA
AMERY, WISCONSIN**

Vent Point	Date	% Methane - Final	% Oxygen - Final	% CO2 - Final	Hg - Millimeters	% LEL - Final	Pressure - Inch of water	Pump Time (sec)	Sample time
GP-1	3/23/00	8.40	0.10	24.30	739.00	174.00	0.00	600.00	1130
GP-1	12/15/99	38.30	0.80	31.40	726.00	666.00		400.00	
GP-2	3/23/00	35.40	0.10	28.40	736.00	700.00	0.10	600.00	1225
GP-2	12/15/99	26.50	0.00	24.60	723.00	530.00		600.00	
GP-3	3/23/00	0.20	13.40	6.20	739.00	0.00	0.01	600.00	1210
GP-3	12/15/99	0.00	9.20	10.00	726.00	0.00		400.00	
GP-4	3/23/00	0.00	18.20	3.70	739.00	0.00	0.01	600.00	1150
GP-4	12/15/99	0.00	16.00	5.40	726.00	0.00		600.00	
V-1	3/23/00	63.30	0.00	41.70	736.00	1,000.00	-0.01	200.00	1240
V-1	12/15/99	43.20	7.00	26.20	723.00	864.00		200.00	
V-2	3/23/00	63.80	0.10	39.00	736.00	1,000.00	-0.02	200.00	1300
V-2	12/15/99	47.70	5.20	27.20	723.00	954.00		100.00	
V-3	3/23/00	41.20	0.00	28.80	736.00	816.00	0.00	200.00	1320
V-3	12/15/99	51.30	0.00	34.20	723.00	1,000.00		200.00	

Facility Name: Amery Landfill Facility ID Number: 649009240 License, Permit or Monitoring No.: 00069 Date: 4-03-00 Completed By (Name and Firm): Mark Iverson, CEDAR CORPORATION

WI Unique Well No	Well Name	DNR Well ID Number	Well Location	Dir. N S E W	Date Established	Well Casing		Elevations		Reference		Depths			Screen Length	Well Type	Well Status	Enf. Stds.	Gradient	Distance to Waste
						Diam.	Type	Top of Well Casing	Ground Surface	MSL (✓)	Site Datum (✓)	Screen Top	Initial Groundwater	Well Depth						
V-1	205	68856	62546	N	7-19-99	6"	PVC 80	1114	1109 1103	✓		7.0	N/A	38	26	53	-	-	-	—
				E																
V-2	206	69010	62445	N	7-19-99	6"	PVC 80	1112	1107 1109	✓		15	N/A	40	20	53	-	-	-	—
				E																
V-3	206	68970	62255	N	7-19-99	6"	PVC 80	1107	1103	✓		15	N/A	40	20	53	-	-	-	—
				E																

Location Coordinates Are:
 State Plane Coordinate Local Grid System
 Northern
 Central
 Southern

Grid Origin Location: (Check if estimated:)
 Lat. _____ ° _____ ' _____ " Long. _____ ° _____ ' _____ " or
 St. Plane _____ ft. N. _____ ft. E. S/C/N Zone _____

Remarks: Casing and ground elevations are approximate and referenced from the final contours map in the Amery Landfill cap construction report



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'00 APR 7 AM 11 22

April 6, 2000

Ms. Julie Riemenschneider
City of Amery
118 Center Street
Amery, WI 54001

RE: Amery Landfill Ground Water Monitoring, March 2000

Dear Julie:

The Amery Landfill analytical data for the March 2000 sampling period has been reviewed and the necessary documents have been forwarded to the DNR on your behalf. I have enclosed your copies of the ground water monitoring certification form, analytical results, and the DNR required memorandum explaining all analytical results that exceed Preventive Action Limits.

If you have any questions or concerns, please contact Scott McCurdy or me at your convenience.

Yours truly,

CEDAR CORPORATION

Mark Iverson
Environmental Specialist

MI/br

Enclosure

cc: WDNR - Bureau of Solid Waste, P.O. Box 7921, Madison, WI 53707
WDNR, Jamie Dunn, 810 West Maple Street, Spooner, WI 54801

MEMORANDUM

TO: Wisconsin DNR Bureau of Solid Waste

FROM: Mark Iverson, Cedar Corporation

DATE: April 6, 2000

SUBJECT: Amery Landfill Preventative Action Limit (PAL) Exceedances

The quarterly ground water sampling and analysis for the Amery Landfill, March 2000, has been completed. Wisconsin Administrative Code NR 140 Preventative Action Limits (PAL) have been exceeded for Chloride, nitrate+nitrite, sulfate, iron, manganese, benzene, chloroethane, 1,1-Dichloroethene, cis-1,2-dichloroethene, methylene chloride, tetrachloroethylene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, trichloroethene, and vinyl chloride. One or a combination of these substances has been detected over the PAL in A-1, A-2, A-3, B-1, B-2, C-2, E-2, F-2, F-3, G-2, G-3, H-1, MW-1, MW-2R, MW-2AR, MW-3. The concentrations of analytes detected are consistent with data acquired during past sampling events with the exception of MW-2R, MW-2AR, and H-1 which were installed in December 1999. At this time, the contaminant concentration trend appears to be stable. See attached tables for VOC and indicator parameter detects.

Manganese has been detected at 0.039 mg/L in the Jackson private drinking water well above the NR140 PAL (0.025 mg/L). The March results are similar to those collected during previous sampling events.

Nitrate+nitrite (3.6 mg/L) was detected in the Fouk's well above its established PALs of 2.0 mg/L. Nitrate+nitrite concentrations are consistent with previous results.

No compounds were detected above the NR140 PALs in the Ryan residential well.

MI/br

ATTACHMENT 4
GROUNDWATER MONITORING DATA CERTIFICATION

Note: Two data certification pages and two copies of any exceedance notification and explanation must be prepared for *each* license number included on the diskette. One copy of each must be mailed to the WDNR Central Office with the diskette, the second copies must be mailed to the WDNR Regional Office for the region in which the facility is located.

Check here to indicate that a copy of this page (and a copy of the exceedance notification letter, if any) was mailed to the DNR Regional Office.

The enclosed diskette contains data for the following facility or facilities:

<u>License No.</u>	<u>Facility ID No.</u>	<u>Facility Name</u>	<u>Sample Results for Month(s) of:</u>
00069	649009240	Amery LIF	March 2000

Check one of the following:

- An exceedance notification and explanation *is attached*.
 An exceedance notification *is not attached* because there are no exceedances to report.

To the best of my knowledge, the information reported and the statements made on this diskette and enclosures are true and correct. *Furthermore, per ss. NR 140.24(1)(a) and 507.30, Wis. Adm. Code, I have attached notification of enforcement standard, preventive action limit, or alternative concentration limit exceedances, if any, which includes a list of the wells at which the exceedances occurred and a preliminary analysis of the cause and significance of the concentration.*

Mat Quason
Signature

April 6, 2000
Date

Environmental Specialist
Title

CITY OF AMERY LANDFILL
DETECTED VOC RESULTS
AMERY, WI

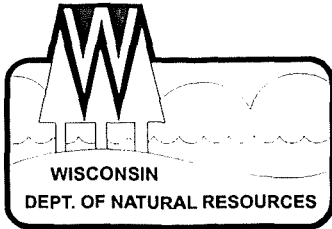
	SAMPLE DATE	NR 140 Exceedences		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	B-2	C-1	C-2	D-2	E-2	F-1	F-2	F-3	G-1	G-2	H-1	PRODEN	GOULD	FOULKS	COMMENTS
		PAL	ES																						
BENZENE (ug / L) Enforcement Standard - 5.0 Preventive Action Limit - 0.5	06/04/1997	X			0.2	0.9					0.5			0.6			0.1			0.3					
	09/10/1998	X				1.1					0.48														
	12/13/1999						0.15	1.2	2.5		0.42														
	03/13/2000		X						0.81		0.44														
BROMOMETHANE (ug / L)	06/10/1998					0.18																			
CHLOROETHANE (ug / L) Enforcement Standard - 5.0 Preventive Action Limit - 0.5	06/04/1997	X	X		1.8	11					1.2														
	06/10/1998	X	X		2	7.8					1.5														
	12/13/1999	X	X					24	2.9		1.4														
	03/13/2000	X	X					13			1.9														
CHLOROFORM (ug / L) Enforcement Standard - 6.0 Preventive Action Limit - 0.6	06/04/1997				0.2																				
	06/10/1998				0.41																				
	05/24/1999				0.42																				
	12/13/1999							0.37																	
CHLOROMETHANE (ug / L) Enforcement Standard - 3.0 Preventive Action Limit - 0.3	06/10/1998	X			0.44	0.9				0.27	0.31														
DICHLORODIFLUOROMETHANE (ug / L) Enforcement Standard - 1000 Preventive Action Limit - 200	06/04/1997																							0.57	
	06/10/1998																							0.53	
	06/15/1999			0.34				2.2	0.31															0.28	
	12/13/1999																							0.28	
1,2-DICHLOROETHANE (ug / L) Enforcement Standard - 5.0 Preventive Action Limit - 0.5	06/04/1997				0.3	0.4																			
	06/10/1998	X			0.68																				
	12/13/1999	X						1.9			2.5														

	SAMPLE DATE	NR 140 Exceedences		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	B-2	C-1	C-2	D-2	E-2	F-1	F-2	F-3	G-1	G-2	H-1	PRODEN	GOULD	FOULKLS	COMMENTS
		PAL	ES																						
1,1-DICHLOROETHANE (ug / L) Enforcement Standard - 850 Preventive Action Limit - 85	04/06/1993				69	4.5					1.4						1.2	0.1				0.1	0.1		ES or PAL not exceeded
	06/01/1993				38	3.2					1.7						1.2	0.1				0.1	0.1		
	10/05/1993				55	3.3					0.1						1.1	0.1				0.1	0.1		
	12/15/1993				41	3					1.1						0.1	0.1				0.1	0.1		
	06/16/1994				34	2.4					2.8						1.1	0.1				0.1	0.1		
	09/12/1994				69	3.3					2						0.1	0.1				0.1	0.1		
	09/12/1995				31	2.7					2.4						0.1	0.1				0.1	0.1		
	06/29/1996				25	2.6					2						0.1	0.1				0.1	0.1		
	06/04/1997				30	2.2					1.2						0.6								
	06/10/1998				73	2.6					1.5						0.65								
	06/15/1999				8.1						2						0.1								
	09/21/1999										2.4						0.45					0.49			
	12/13/1999								27	0.92	2						0.47								
	03/13/2000							0.71	26		2.1						0.59								
	1,1-DICHLOROETHENE (ug / L) Enforcement Standard - 7 Preventive Action Limit - 0.7	04/06/1993	X			1.7	4.5					0.1						0.1	0.1				0.50	5.0	
06/01/1993		X			1.3	3.2					0.1						0.1	0.1				0.1	1.3		
10/05/1993					0.1	0.1					0.1						0.1	0.1				0.1	0.1		
12/15/1993		X			1.1	0.1					0.1						0.1	0.1				0.1	0.1		
03/15/1994					0.1	0.1					0.1						0.1	0.1				0.1	0.1		
06/16/1994		X			1.5	0.1					0.1						0.1	0.1				0.1	0.1		
09/12/1994		X			1.1	0.1					0.1						0.1	0.1				0.1	0.1		
09/12/1995					0.1	0.1					0.1						0.1	0.1				0.1	0.1		
06/29/1996					0.1	0.1					0.1						0.1	0.1				0.1	0.1		
06/04/1997		X			0.8	0.1					0.1						0.6								
06/10/1998		X			1.2						2.4						0.64								
09/21/1999		X									0.27						0.27					0.45			
12/13/1999		X	X					1.6	28		0.39						0.63								
03/13/2000		X	X						32																
cis-1,2-DICHLOROETHENE (ug / L) Enforcement Standard - 70 Preventive Action Limit - 7		04/06/1993	X			40	4.7					4.5						5.8	0.1				2.8	5.0	
	06/01/1993	X			33	2.2					6.6						6.6	0.1				1.6	6.6		
	10/05/1993	X			34	2.1					6.3						6.2	0.1				0.1	4.8		
	12/15/1993	X			20	1.9					5.9						3.5	0.1				0.1	1.7		
	03/15/1994	X			18	1.6					5.2						0.1	0.1				1.2	0.1		
	06/16/1994	X			32	2					10						4.8	1.5				0.1	0.1		
	09/12/1994	X			31	3.5					7.4						4.5	0.1				0.1	0.1		
	09/12/1995	X			37	2.5					7.3						2.8	0.1				0.1	0.1		
	06/29/1996	X			26	2.4					5.2						1.9	0.1							
	06/04/1997	X			40	2.8					5.7						3.2								
	06/10/1998	X			31	2.9					6.8						7.9								
	06/15/1999	X			25	2					8.5						3.1								
	09/21/1999	X									7.8						2.4					2.4			
	12/13/1999	X	X					4.4	140	0.51	8.7						2.4					2.5			
	03/13/2000	X	X					1.9	140								3.3	0.35							
trans-1,2-DICHLOROETHENE (ug / L) Enforcement Standard - 100 Preventive Action Limit - 20	06/10/1998				1.2																				
	12/13/1999							1.4																	
ETHYLBENZENE (ug / L) Enforcement Standard - 700 Preventive Action Limit - 140	06/15/1999								0.41	0.98															
	12/13/1999																								

	SAMPLE DATE	NR 140 Exceedences		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	B-2	C-1	C-2	D-2	E-2	F-1	F-2	F-3	G-1	G-2	H-1	PRODEN	GOULD	FOULKS	COMMENTS					
		PAL	ES																											
HEXACHLOROBUTADIENE (ug / L)	06/10/1998									1																				
ISOPROPYLBENZENE (ug / L)	12/13/1999							0.58																						
METHYLENE CHLORIDE (ug / L)	06/10/1998 12/13/1999 03/13/2000	X X X			1.3	2.3		0.65 2		0.63	2.3		2.2	0.95			0.7 1.5	0.96	0.6	0.86				0.3						
Enforcement Standard - 5.0 Preventive Action Limit - 0.5																														
METHYL-TERT BUTYL ETHER (ug / L)	06/10/1998 12/13/1999 03/13/2000					1.1			0.84		0.3																			
Enforcement Standard - 60 Preventive Action Limit - 12																														
NAPHTHALENE (ug / L)	06/10/1998 12/13/1999 03/13/2000								0.75 0.28	0.73																				
Enforcement Standard - 40 Preventive Action Limit - 8																														
TETRACHLOROETHENE (ug / L)	04/06/1993 06/01/1993 10/05/1993 12/15/1993 03/15/1994 06/16/1994 09/12/1994 09/12/1995 06/29/1996 06/04/1997 06/10/1998 06/15/1999 09/21/1999 12/13/1999 03/13/2000	X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X		30 55 65 40 29 75 72 84 54 62 70 101	2.3 0.1 0.1 0.1 0.1 0.1 2.2 1.1 1.9 1.2 1.3 0.58					16 22 22 20 18 26 19 19 15 11 13 11						0.1 2.3 0.1 1.8 0.1 1.5 0.1 1.1 0.1 3 2.1 2.2 0.1 1.2 0.5 1 0.73 0.96 0.58 0.73 0.64 1.3 1.4 1.6					2.8 0.1 3.2 2.4 4.0 2.2 2.9 2.9 0.1 3.2 3.4 2.5	3.2 3.9 4.0 2.9 0.1 3.2 3.2					0.32 0.28 0.3 0.3 0.26		ES not exceeded off landfill property PAL exceeded
Enforcement Standard - 5 Preventive Action Limit - 0.5																														
1,1,1 - TRICHLOROETHANE (ug / L)	03/15/1994 06/16/1994 09/12/1994 09/12/1995 06/29/1996 06/04/1997 06/10/1998 06/15/1999 12/13/1999 03/13/2000	X X X X X X X X X X			4.3 50 .18 4.6 3.3 5.2 26 7.7	0.1 0.1 0.1 0.1 0.1 0.3					0.1 0.1 0.1 2.1 0.1 0.5						0.1 0.1 0.1 0.1 0.1					0.1 0.1 0.1	0.1 0.1 0.1			0.072		ES not exceeded PAL exceeded		
Enforcement Standard - 200 Preventive Action Limit - 40																														
1,1,2 - TRICHLOROETHANE (ug / L)	12/13/1999 03/13/2000	X X						4.1 4.5																						
Enforcement Standard - 5 Preventive Action Limit - 0.5																														

	SAMPLE DATE	NR 140 Exceedences		MW-1	MW-2	MW-2A	MW-2R	MW-2AR	MW-3	A-1	B-2	C-1	C-2	D-2	E-2	F-1	F-2	F-3	G-1	G-2	H-1	PRODEN	GOULD	FOULKS	COMMENTS
		PAL	ES																						
TRICHLOROFLUOROMETHANE (ug / L)	06/04/1997																							0.14	
TOLUENE (ug / L)	06/04/1997				0.1	0.2								3.1			0.2	0.2	0.1	1.1					
Enforcement Standard - 1000 Preventive Action Limit - 200																									
TRICHLOROETHENE (ug / L)	04/06/1993	X	X		18	7.4					8.6						0.01	1.6				2.9	3.5		ES not exceeded off landfill property PAL exceeded
	06/01/1993	X	X		27	3.3					12						1.6	1.5				0.1	4.5		
	10/05/1993	X	X		22	3.3					12						1.1	0.01				1.9	3.9		
	12/15/1993	X	X		16	2.6					10						1.1	0.01				1.8	3.1		
	03/15/1994	X	X		13	2.1					9						0.01	0.01				1.8	2.9		
	06/16/1994	X	X		45	3.7					16						2.2	1.7				2.7	3.7		
	09/12/1994	X	X		31	8.9					12						2.3	1.3				1.7	3.6		
	09/12/1995	X	X		37	6.2					11						1.9	1.3							
	06/29/1996	X	X		27	5.9					8.7						1.4	1.3							
	06/04/1997	X	X		28	5.3					8.6													0.14	
	06/10/1998	X	X		37	6.5					9.8						1.9	0.49							
	06/15/1999	X	X		58	3.4											1.7							0.1	
	09/21/1999	X	X								7.8						1.5	0.65			1				
	12/13/1999	X	X								9						0.66	0.68			0.8				
	03/13/2000	X	X					9	110		8.2						1.8	0.75							
							6.4	97																	
1,2,4-Trimethylbenzene	09/21/1999									0.18					0.5	0.44				0.45					
	12/13/1999																								
XYLENES (ug / L)	06/04/1997																								
	06/15/1999			1.4				0.87	3.7								1.4		0.52	1.3					
	12/13/1999																		0.99	0.43					
Enforcement Standard - 10,000 Preventive Action Limit - 1000																									
VINYL CHLORIDE (ug / L)	04/06/1993	X	X		90	9.3					3.6						3.7	0.01				1.5	1.5		PAL ES exceeded
	06/01/1993	X	X		56	5.7					6.1						2.8	0.01				X	2.4		
	10/05/1993	X	X		43	4.8					4						2.1	0.01				0.01	1.2		
	12/15/1993	X	X		38	5.7					4						1.6	0.01				0.01	0.01		
	03/15/1994	X	X		24	3.4					2.8						0.01	0.01				0.01	X		
	06/16/1994	X	X		21	3.4					8.4						1.2	0.01				0.01	0.01		
	09/12/1994	X	X		46	4.6					4.9						0.01	0.01				0.01	0.4		
	09/12/1995	X	X		34	2.1					4.9						0.01	0.01							
	06/29/1996	X	X		30	3.5					2.6						0.01	0.01							
	06/04/1997	X	X		38	2.7					2.1														
	06/10/1998	X	X		46	3.2					4.4						0.98								
	06/15/1999	X	X		7.6	2.6					5.3														
	09/21/1999	X	X								4.2						0.82								
	12/13/1999	X	X					0.77	150		8.1						0.45				0.59				
	03/13/2000	X	X						180		7.7						1.3								

Values of 0.1 and 0.01 indicate that the laboratory reported <MDL for this compound on that monitoring event.
Methylene Chloride was the only compound detected in MW-1, A-2, A-3, B-1, C-1, D-1, E-1, F-1, and G-3
W-2A were collected on May 24, 1999 prior to their abandonment.



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
William H. Smith, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhinelander, Wisconsin 54501-0818
Telephone 715-365-8900
FAX 715-365-8932
TDD 715-365-8957

December 10, 1998

Polk Co.

Mr. Harvey Stower, Mayor
City of Amery
118 Center Street
Amery, WI 54001

SUBJECT: Amery Landfill Capping Soil

Dear Mr. Stower:

The Department is in receipt of your consultant's letter, dated December 3, 1998, in which a request was made to lower soil specifications required in the final composite cover for the Amery Landfill. The Department is dismayed at this request coming at this time. In a June 28, 1998 letter, your consultant proposed the soil material specifications (which were agreed to by the Department in a July 8, 1998 letter). At the July 9, 1998 public meeting which I attended, your consultant informed all in attendance that the material was available and could be obtained in the immediate area at costs you submitted. Finally, in the remedial action plan (RAP), submitted on your behalf by Cedar Corporation, Inc. on September 11, 1998, you and your consultant propose using soils that will meet the 1×10^{-6} cm/sec. specification. Now, just weeks before your RAP is to be approved, you are requesting to change your submitted design and lower soil specifications. The Department has identified its lowest allowable soil specifications which we believe will still meet the objective of installing an impermeable cover over the landfill. **The Department will not accept any soils for the 18 inch soil layer under the geomembrane with a hydraulic conductivity greater than 1×10^{-6} .** However, if your consultant submits documentation to the Department to prove that soils that meet the 1×10^{-6} cm/sec. specification cannot be obtained, the Department will consider a redesigned composite cover with a supplemental bentonite mat.

In your most recent submittal, the Department noted that the proposed soil was to be excavated from a wetland. Unless the City of Amery can establish that there are no other practicable alternatives, as required in s. NR 103 Wis. Adm. Code, and can obtain approval from the Department and the U. S. Corps of Engineers, wetland areas can not be approved as soil sources.

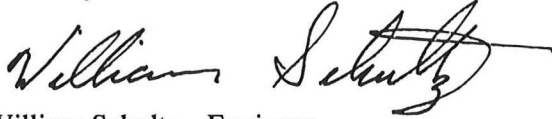


Quality Natural Resources Management
Through Excellent Customer Service



If you have any questions concerning this letter, please feel free to contact me (715) 365-8965.

Sincerely,

A handwritten signature in black ink that reads "William Schultz". The signature is written in a cursive style with a large, stylized "S" at the end.

William Schultz, Engineer
Bureau of Remediation and Redevelopment
Northern Region

cc: Jamie Dunn - Spooner
Gary Kulibert - Rhineland
Linda Meyer - LS/5
David Crass, Michael, Best & Friedrich, PO Box 1806, Madison WI 53701
Scott McCurdy, Cedar Corp., 604 Wilson Ave., Menomonie , WI 54751



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
William H. Smith, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhineland, Wisconsin 54501-0818
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December 14, 1998

Polk Co.

MR. Harvey Stower, Mayor
City of Amery
118 Center Street
Amery, WI 54001

12-16-98A07:48 RCVD

SUBJECT: Amery Landfill Draft Plan Modification Approval

Dear Mr. Stower:

Attached is a draft plan modification approval for the construction and operation of your submitted remedial action plan (RAP) for the city of Amery landfill (License #0069). The RAP was submitted on your behalf by Cedar Corporation, Inc. dated September 11, 1998. Additional information was submitted on November 23, 1998 concerning modifications to the gas venting system, and a preliminary soils report was received from your consultant dated December 3, 1998.

At this time the Department is requesting any written comments to the draft conditional plan approval you may have by December 30, 1998. We will consider any comments for changes you may propose, after which we hope to issue a finalized version of the conditional plan modification in early January, 1999.

If you have any questions concerning this letter please feel free to contact me (715) 365-8965.

Sincerely,

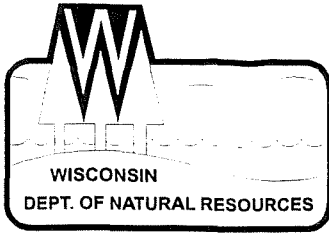
William Schultz, Engineer
Bureau of Remediation and Redevelopment
Northern Region

cc: Jamie Dunn - Spooner
Gary Kulibert - Rhineland
Linda Meyer - LS/5
David Crass, Michael, Best & Friedrich, PO Box 1806, Madison WI 53701
Scott McCurdy, Cedar Corp., 604 Wilson Ave., Menomonie, WI 54751



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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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FAX 715-365-8932
TDD 715-365-8957

~~Blaine, WI 54001~~

FILE REF: FID# 649009240

Polk Co.

RR

Approval

DRAFT

Mr. Harvey Stower, Mayor
City of Amery
118 Center Street
Amery, WI 54001

SUBJECT: Plan Modification Approval, City of Amery Landfill (License #0069)

Dear Mr. Stower:

We are pleased to inform you of the Department's conditional plan modification approval for the construction and operation of your interim remedial action plan (RAP) for the City of Amery Landfill (License #0069), pursuant to s. 289.05, Wis. Stats., and chs. NR 508 and NR 514, Wis. Adm. Code. Cedar Corporation, Inc. on behalf of the City of Amery submitted to the Department a RAP titled "City of Amery, Former Municipal Landfill, FID # 00069, Remedial Action Plan" dated September 11, 1998. The RAP is in response to enforcement standard exceedances outside the design management zone for VOCs and their threat to private drinking water wells down gradient of the landfill.

The RAP includes the construction of a composite cover over the waste mass as a source control measure. The highly impermeable cover is designed to prevent precipitation from percolating through the waste and into the groundwater. Additional items to be constructed include installing a passive gas venting system that can be converted into an active gas extraction system without compromising the composite cover, and a surface water drainage/collection system.

The majority of the conditions identified are related to assuring that the composite cover is constructed properly. Other conditions requires the city to submit an effectiveness report prior to January 2005 assessing the effectiveness of the remedial effort at the landfill, to allow the Department to evaluate the groundwater quality at all identified points of standard application.

This Conditional Approval, modifying the Closure Plan is also issued pursuant to s. 292.35(2r)(c), Wis. Stats., as a conditional approval of the City's preliminary Remedial Action Plan.

You should attach this conditional RAP approval directly to your closure plan approval.



Quality Natural Resources Management
Through Excellent Customer Service



If you have any questions concerning this approval, please contact James Dunn at (715) 635-4049 or Wm. Schultz at (608) 264-6019.

Sincerely

DRAFT

James Dunn
Northern Region R&R Program

DRAFT

William Schultz
Northern Region R&R Program

attachment: Approval Summary
Conditional Plan Modification Approval

cc: Gary Kulibert NOR/Rhineland
Linda Meyer LS/5
David Crass Michael, Best & Friedrich, PO Box 1806, Madison WI 53701
Scott McCurdy Ceder Corp., 604 Wilson Ave., Menomie, WI 54751

APPROVAL SUMMARY
AMERY CITY LANDFILL (license # 0069)

GENERAL INFORMATION

AUTHORIZED CONTACT: Mr. Harvey Stower, Mayor
City of Amery
118 Center Street
Amery, Wisconsin 54001
(715) 268-7486

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LICENSEE AND PROPERTY OWNER: City of Amery

SITE LOCATION: SW 1/4 of NW 1/4 of Section 27, T33N, R16W, Town of Lincoln, Polk County, Wisconsin.

ACREAGE: Presently the waste mass covers approximately 7.5 acres. Waste along the southern edge of the waste mass is thinly laid. Waste along the south edge will be excavated and recompacted on the landfill top, resulting in an increase of the top final grades of the landfill improving runoff and reducing the required cover size to approximately 5 acres.

FACILITY DESIGN

FINAL COVER: The top slopes of the landfill will have a minimum slope of 5% and maximum slopes of 4H: 1V. The final cover will consist of the following from top to bottom:

- 6 inches of topsoil cover, seeded and mulched;
- a 18 inch loosely compacted soil rooting layer;
- a 12 inch sand drainage layer with a compacted hydraulic conductivity of 1×10^{-3} cm/sec or greater;
- Textured 40-mil LLDPE geomembrane;
- 18 inches of fine grained soil compacted to a hydraulic conductivity of 1×10^{-6} cm/sec. or less; and
- a 6 inch soil grading layer over the waste.

A vegetative cover will be established over the final cover to minimize erosion. Top soil shall be tested for pH, nitrogen, phosphorus, and potassium. Fertilizer and lime shall be applied at rates specified by the nutrient analysis. Seed will be applied at a rate of 3 lb/1,000 sq. ft and the surface mulched at approximately 1.5-3 tons/acre. All erosion controls shall conform to "Wisconsin Construction Site, Best Management Practice Handbook" and be maintained until a vigorous vegetative cover is realized.

LANDFILL GAS MANAGEMENT SYSTEM: Initially a passive gas venting system will be installed that vents to the atmosphere. The gas venting system includes installing 4 - 6 inch diameter schedule 80 PVC perforated pipe in 36 inch washed stone filled boreholes. The wells will be drilled to within one foot of the base of the waste and be spaced approximately 150 feet apart. Approximately 1,100 feet of 4 inch HDPE lateral header piping, 2 service valves, and 4 cleanouts will be buried under the 18 inch compacted fine grain soil layer to facilitate converting the passive venting system to an active

extraction system if it is needed at a later date. A passive surface vent will be included at the high point of the final cover.

SURFACE WATER MANAGEMENT AND DRAINAGE CONTROL: A perimeter drainage channel extends around the entire landfill and conveys surface water runoff to a sedimentation basin which will be constructed in the northwest part of the site. The drainage ditches are sized to accept velocities less than 2.75 feet/sec. The sedimentation basin is designed to control runoff from a 25-year 24 hour storm event.

ENVIRONMENTAL MONITORING

PERIMETER GAS MONITORING: . A minimum of four gas monitoring probes (GP-1, GP-2, GP-3, and GP-4) will be located around the perimeter of the site to help assure that horizontal gas migration is not occurring. The probes will be placed on all sides of the landfill. The City shall monitor gas probes will be sampled quarterly, concurrently with groundwater sampling. The date and time of sampling shall be recorded as well as the barometric pressure, trend in barometric pressure and ground surface conditions. The City shall document the monitoring in accordance with s. NR 507.22 Wis. Adm. Code.

GROUNDWATER MONITORING: The City of Amery shall conduct Environmental monitoring at and around the landfill as specified in Section 4, of the September 1998 Remedial Action Plan submitted to the Department. Changes to the submitted plan include listing the monitoring wells B-1 and B-2 as wells located downgradient and outside the DMZ as point of standards application wells.

EFFECTIVENESS EVALUATION REPORT: Prior to January 2005, the City shall prepare and submit to the Department a report evaluating environmental conditions associated with the landfill and the effectiveness of this remedy. This evaluation shall assess and evaluate groundwater quality at all identified points of standards application. The review shall consider all contaminants identified (inorganics/metals, VOCs, semi-volatiles and pesticides) in respect to ch. NR 140 Wis. Adm. Code. Those compounds that are identified for which there are no standards established shall also be considered. The review shall address all groundwater quality data available. This report shall also provide a recommendation to the Department for modification of the monitoring parameters and frequency for approval by the Department, to address future monitoring requirements.

If, based on the Department's evaluation of any environmental monitoring report that is submitted for this site, the concentrations of methane are determined to exceed 100% of the Lower Explosive Limit (LEL) at any of the landfill gas monitoring probes, or if a preventive action limit or enforcement standard for a substance of public health or welfare concern has been attained or exceeded at a point of standards application, then operation of an active landfill gas extraction system will be required at that time.

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BEFORE THE
STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES

CONDITIONAL APPROVAL
MODIFYING THE CLOSURE PLAN
FOR THE CITY OF AMERY LANDFILL

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(Landfill #00069)

FINDINGS OF FACT

The Department finds that:

1. The City of Amery owns and operated a municipal solid waste disposal facility located in the SW quarter of the NW quarter of Section 27, Township 33N, Range 16W, Town of Lincoln, Polk County, Wisconsin.
2. The Department has issued the license number 00069 to the landfill. The facility was originally licensed on October 17, 1969. The landfill closed in 1989.
3. A conditional closure plan approval was issued by the Department on February 21, 1984. However, because the landfill does not have a plan of operation approval under s. 289.30, Wis. Stats., it is considered to be a non-approved facility under s. 289.01 (24), Wis. Stats.
4. The Department considered the following documents regarding the groundwater standards exceedances at this facility:
 - A. Groundwater quality data for the City of Amery landfill in the Department file, including the Turn Around Documents (TADs).
 - B. Water quality data from six private wells in the immediate vicinity of the landfill that have documented detection of volatile organic compounds.
5. The Department issued a Closure Plan Modification to the City on May 11, 1993. This Closure Plan Modification required the City to complete an Environmental Contamination Assessment (ECA) of the landfill and determine the degree and extent on the contamination migrating from the landfill and recommend a remedial action that will result in regaining compliance with ch. NR 140, Wis. Adm. Code.
6. The City submitted the ECA dated February 4, 1994. Conclusions in that ECA included:
 - A. Groundwater contamination exceeding NR 140 enforcement standards has migrated from the landfill approximately ½ mile and discharges to the Apple River.
 - B. A number of private wells have been abandoned due to contaminants present in the drinking water supply wells, or due to their close proximity to the plume.

- C. Other private wells in current use exist within 1200 feet of the landfill and in close proximity to the contaminant plume.
 - D. One private well in current use (Fouks well) has shown low concentrations of VOCs in the past.
7. The City submitted to the Department a Remedial Action Plan dated September 1998 which included a report and 9 plan sheets. Additional information was submitted including 3 revised plan sheets dated November 23, 1998.
8. The Department considers the following facts to be significant in its decision to modify the closure plan, as set forth below:
- A. The City of Amery landfill is an unlined, natural attenuation facility, which accepted municipal, commercial and industrial waste.
 - B. The City of Amery landfill is located in an area which has unconsolidated glacial outwash underlain by Ordovician age dolomitic rocks.
 - C. Groundwater flows beneath the site in a general northwest direction, towards the Apple River.
 - D. Monitoring Well 2 is located directly down gradient from the filled portion of the site and is within the Design Management Zone (DMZ). Preventive Action Limits (PAL) exceedances have occurred at this well.
 - E. Volatile Organic Compounds (VOCs) have been detected at this well, specifically Chloroethane, 1,1-Dichloroethane, 1,2-Dichloroethylene Cis, Tetrachloroethylene, 1,1,1-Trichloroethane, Trichloroethylene, and Vinyl Chloride.
 - F. The contaminant plume containing Volatile Organic Compounds and Inorganic metals extends over 3,000 feet and discharges into the Apple River.
 - G. VOCs exceeding the State's drinking water standards were found in private drinking water wells in contaminant plume area.
 - H. Public water was extended to service some of impacted wells within the plume area
 - I. Other private wells exist within 1200 feet of the site.
9. The special conditions set forth below are needed to:
- A. Minimize the concentration of the substances in groundwater at the point of standards applications where technically and economically feasible.
 - B. Regain and maintain compliance with the preventive action limits.
 - C. Ensure that in the future enforcement standards are not attained or

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exceeded at the point of standards application.

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CONCLUSIONS OF LAW

The Department concludes that:

1. The Department has authority under ch. 289, Wis. Stats., to modify a plan approval if the modification would not inhibit compliance with the applicable portions of chs. NR 500-526, Wis. Adm. Code.
2. The Department has authority to approve a plan of operation with special conditions if the conditions are needed to ensure compliance with the applicable portions of chs. NR 500-526, Wis. Adm. Code.
3. The Conditions set forth below are needed to ensure compliance with the applicable portions of chs. NR 500-526, Wis. Adm. Code.
4. The Department has authority under ss. 289.05 and 289.30, Wis. Stats., and ch. NR 514.08, Wis. Adm. Code, to require the submittal of a closure plan, and to approve or modify the closure plan with special conditions, if the conditions are needed to ensure compliance with state statutes and administrative code.
5. The Department has authority to require a response under s. 160.25, Wis. Stats., and s. NR 140.26(2), Wis. Adm. Code, if an enforcement standard for a substance of public health or welfare concern has been attained or exceeded at a point of standards application.
6. The Department has authority to require a response under s. 160.23, Wis. Stats., and s. NR 140.24(4), Wis. Adm. Code, if a preventive action limit for a substance of public health or welfare concern has been attained or exceeded at a point of standards application.
7. In accordance with the foregoing, the Department has authority under ch. 289, ss. 160.23 and 160.25, Wis. Stats., and ss. 140.24 and 140.26, Wis. Adm. Code, chs. NR 500-520, Wis. Adm. Code, to issue the following conditional plan modification, which requires responses to exceedances of groundwater standards.

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CONDITIONAL APPROVAL

The Department hereby conditionally approves the Remedial Action Plan, dated September 11, 1998, and modifies the Closure Plan Approval for the City of Amery Landfill (License #00069) as provided below:

General Requirements

1) The City of Amery (the City) shall construct a composite cover as proposed in the Remedial Action Plan dated September 1998, in compliance with the requirements in this conditional approval. All construction shall be completed prior to September 30, 1999.

Construction of the Composite Cover

Design and Construction

- 2) The final cover will consist of the following from top to bottom:
- a. A 6 inches of topsoil cover, seeded and mulched;
 - b. An 18 inch loosely compacted soil rooting layer;
 - c. A 12 inch sand drainage layer with a compacted hydraulic conductivity of 1×10^{-3} cm/sec or greater;
 - d. A textured 40-mil LLDPE geomembrane;
 - e. An 18 inch fine grained soil layer compacted to a hydraulic conductivity of 1×10^{-6} cm/sec. or less; and
 - f. A 6 inch soil grading layer over the waste.
- 3) The soil materials below and over the geomembrane component of the final cover shall comply with the following:
- a. The 12 inch drainage layer directly above the 40 mil LLDPE geomembrane shall have a compacted hydraulic conductivity of 1×10^{-3} cm/sec or greater. If the drainage material contains particles greater than 1 inch in diameter or sharp fractured edges capable of puncturing the geomembrane, a 12 oz. geotextile shall be used to protect the geomembrane.
 - b. The 18 inch fine grained soil layer directly under the geomembrane shall be compacted to a hydraulic conductivity of 1×10^{-6} cm/sec. or less.

- c. A minimum of two weeks before construction is to begin, a report shall be submitted to the Department which fulfills the requirements in s. NR 512.15 (4), Wis. Adm. Code, for identification and characterization of the proposed borrow sources for the 12 inch drainage layer directly above the 40 mil LLDPE geomembrane and the 18 inch fine grained soil layer directly under the LLDPE geomembrane .

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4) The placement of soil materials below and over the geomembrane component of the final cover shall comply with the requirements of ch. NR 504, Wis. Adm. Code, and the following conditions of approval:

- a. The top slopes of the landfill will have a minimum slope of 5% and maximum slopes of 4 horizontal to one vertical (4H : 1V).
- b. Construction and testing of the geomembrane component of the final cover shall comply with the following:
 1. Polyethylene geomembranes composed of resins specifically formulated for waste containment purposes shall be utilized in the construction of the geomembrane components of the composite liner and the composite capping layer. If use of alternative geomembrane materials are proposed, the proposal shall be submitted to the Department for review and approval prior to utilization.
 2. Quality assurance personnel shall be on site and performing their assigned duties at all times that the geomembrane is being deployed, seamed, or tested.
 3. The geomembrane panels shall be installed parallel to all slopes in excess of 10%, providing alignment of the seams in a direction along and not across the slope.
 4. Department approval shall be obtained prior to geomembrane installation for ambient temperatures below 32° F.
 5. Installed geomembrane shall be covered with earthen material within 30 days of completing quality control and quality assurance testing of the installation.
 6. All areas of completed composite capping layer of the final cover shall be covered with the drain layer material and rooting zone material after completion of documentation of geomembrane construction quality assurance. Any topsoil and seeding not completed during the construction season in which the geomembrane was installed shall be completed no later than May 31 the following year.
 7. Field shear and peel tests of geomembrane seams and membranes shall be performed using standardized specimen sizes in tensile testing machines with mechanically or electrically controlled rates of jaw separation. The tensile testing machine shall be equipped with electrically controlled and smoothly moving jaw separation apparatus, capable of adjustments and defined settings for jaw separation rate, and displaying jaw separation rates and tensile loadings exerted on the geomembrane samples. Tensile

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testing machines shall be accompanied by documentation for calibration conducted within one month of the start of geomembrane installation. Geomembrane samples shall be prepared for field analyses by use of templates and cutting tools that prepare uniformly sized samples.

8. Prequalification tests for geomembrane welding machines shall be conducted by a minimum of two prequalification seams run per welding machine each day by each seaming technician performing geomembrane welding, with additional test runs following work interruptions or weather changes. Extrusion welding machine performance shall be verified by a minimum of one test seam per day per machine. A portion of each prequalification specimen shall be tested in the field for acceptable tensile strength.
 9. Nondestructive field seam testing shall be performed on all seams of geomembrane attached by welding or mechanical attachments to other geomembrane sheet, plastic plate, and pipe penetrations.
 10. Destructive field and laboratory seam test samples shall be taken at a rate of one sample per 500 feet of fusion seam accomplished, unless another frequency or spacing is approved by the Department. Destructive seam test samples shall be tested under the same protocol as the welding machine test seams.
 11. A destructive sample shall be taken from at least one end of each fusion weld and tested using a calibrated field tensile testing machine. Sampling may be waived for butt seams or seams subjected to extrusion welds of tee joints or repairs, where such welds are subjected to integrity tests specific to extrusion welds.
- 5) The minimum thickness of soil which must be present over the geomembrane component before vehicular travel may occur shall be 1 foot for low-pressure tracked dozers and 2 feet for all other tracked vehicles. Trucks and other wheeled hauling equipment shall be confined to corridors or locations with a soil thickness of 3 or more feet over the geomembrane component.
- 6) Guidance to machine operators placing soil on the geomembrane component shall be provided by the use of an observer with unobstructed view of the advancing lift of soil.
- 7) The design and construction of the final cover system shall comply with the following:
- a. A minimum thickness of 12 inches of drain layer sand plus 24 inches of rooting zone soil and topsoil shall be maintained over the geomembrane component of the final cover at all locations on the final cover.
 - b. The inverts of the channels of the diversion berms shall be lined with erosion control mat. The channels of the diversion berms and final cover spillways shall be planted with vegetation which is resistant to erosion, abrasion, and temporary submergence caused by flowing surface water.

- c. The topsoil on the final cover system shall be seeded with a cover crop within 30 days of placement of the topsoil.
- d. The selected seed mix shall be amended with seed mixes 20 or 70 and seed rates, as defined in the Wis. DOT 1989 Standard Specification for Road and Bridge Construction, if use of native seed mixes does not result in an erosion-resistant vegetative cover by June of the year following topsoil placement on the final cover.

8) Penetrations of the geomembrane component of the composite capping layer shall be constructed of prefabricated collars of polyethylene pipe and membrane, welded at the same angles which the penetrations make with the final cover slope.

Groundwater Monitoring Parameters and Frequency

DRAFT

9) The City of Amery shall conduct Environmental monitoring at and around the landfill as specified in Section 4, of the September 1998 Remedial Action Plan submitted to the Department. Changes to the submitted plan include listing the monitoring wells B-1 and B-2 as wells located downgradient and outside the DMZ as point of standards application wells.

Effectiveness Evaluation Report

10) Prior to January 2005, the City shall prepare and submit to the Department a report evaluating environmental conditions associated with the landfill and the effectiveness of this remedy. This evaluation shall assess and evaluate groundwater quality at all identified points of standards application. The review shall consider all contaminants identified (inorganics/metals, VOCs, semi-volatiles and pesticides) in respect to ch. NR 140 Wis. Adm. Code. Those compounds that are identified for which there are no standards established shall also be considered. The review shall address all groundwater quality data available. This report shall also provide a recommendation to the Department for modification of the monitoring parameters and frequency for approval by the Department, to address future monitoring requirements.

Landfill Gas Monitoring

11) The City shall monitor gas probes GP-1, GP-2, GP-3, and GP-4 quarterly for O², NH⁴ and CO². Sampling shall be performed concurrently with groundwater sampling. The date and time of sampling shall be recorded as well as the barometric pressure, trend in barometric pressure and ground surface conditions. The City shall document the monitoring in accordance with the requirements of s. NR 507.22, Wis. Adm. Code. This requirement supersedes any previous landfill gas monitoring requirements.

Active Gas Extraction

12) If, based on the Department's evaluation of any environmental monitoring report that is submitted for this site, the concentrations of methane are determined to exceed 100% of the Lower Explosive Limit (LEL) at any of landfill gas monitoring probes or, if a preventive action limit or

enforcement standard for a substance of public health or welfare concern has been attained or exceeded at a point of standard application, then operation of an active gas extraction system will be required at that time.

The Department reserves the right to require the submittal of additional information and to modify this approval at any time, if in the Department's opinion, modifications are necessary. Unless specifically noted, the conditions of this approval do not supersede or replace any previous conditions of approval for this facility.

NOTICE OF APPEAL RIGHTS

If you believe you have a right to challenge this decision, you should know that Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed.

For judicial review of a decision pursuant to sections 227.52 and 227.53, Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review shall name the Department of Natural Resources as the respondent.

This notice is provided pursuant to section 227.48(2), Stats.

Dated

DEPARTMENT OF NATURAL RESOURCES
For the Secretary

DRAFT

Mark Stokstad
Air & Waste Team Leader, Northern Region

DRAFT

James Dunn, PG
Hydrogeologist, Northern Region
Bureau of Remediation and Redevelopment

DRAFT

William Schultz, PE
Engineer, Northern Region
Bureau of Remediation and Redevelopment

COPY

Mayor:
HARVEY STOWER
City Administrator:
JULIE RIEMENSCHNEIDER

Aldermen:
District 1
RICHARD DAVIS
SHERYL BURKEL
District 2
ROGER KNUTSON
REID F. LARSON
At Large —
KAY ERICKSON
THOMAS OLSON

CITY OF AMERY

118 Center Street
Amery, Wisconsin 54001

CITY HALL
Phone 715-268-7486
FAX 715-268-4870
CITY UTILITY SHOP
Phone 715-268-7427
BUILDING INSPECTOR
Phone 715-268-7427

RECEIVED

FEB 05 1998

DNR - SPOONER

January 28, 1998

George Meyer, Secretary
Wisconsin Department of Natural Resources
101 S. Webster Street
P.O. Box 7921
Madison, WI 53707-7921

RE: City of Amery Landfill
License No. 0069

Dear George,

Thank you for your October 7, 1997 letter in response to our recent discussions regarding the City of Amery's former sanitary landfill. As you know, the City of Amery is committed to responding to this matter in a responsible manner, as to both goals of environmental protection and protection of its constituency, the City's residents and taxpayers. I appreciated the information regarding your Department's pilot program to advance the interests of the political subdivision negotiation/arbitration process as provided in 292.35 of the Wisconsin Statutes. On behalf of the City of Amery, this is to communicate the City's acceptance of the Department's offer as to both inclusion in the pilot program and the commitment of State funding up to \$350,000.00

As to the general conditions of the funding discussed in your letter, we understand that the Department's bonding authority request was granted pursuant to 1997 Wisconsin Act 27. We also understand the City's environmental response to date to be in compliance with NR 700, Wis. Adm. Code and have not been identified of any technical deficiencies in the investigation and response process completed thus far. As you are aware, the City has initiated the political subdivision negotiation/arbitration process mentioned above and is prepared to continue that process toward our mutual goal.

George Meyer
January 28, 1998

We will be meeting with Bob Strous, Jamie Dunn, and others, and hope to continue progress.

Once again, George, thank you for your time and the consideration you have shown in advancing this matter to this point.

Sincerely,




Harvey Stower
Mayor

cc: Julie Riemenschneider, City Administrator
Linda H. Bochert, Esq., Michael Best & Friedrich LLP
David A. Crass, Esq., Michael Best & Friedrich LLP
Jamie Dunn, WDNR
Bob Strous, WDNR
Scott McCurdy, Cedar Corp.

MEMORANDUM

TO: Identified Potentially Responsible and Interested Parties

FROM: David A. Crass, Esq. 
Michael Best & Friedrich LLP

DATE: December 18, 1998

RE: City of Amery Sanitary Landfill (#0069)

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DEC 21 1998

DNR - SPOONER

The purpose of this memorandum is to provide you an update on the status of the above matter. As previously communicated, the Wisconsin Department of Natural Resources ("WDNR") issued its conditional approval of the Preliminary Remedial Action Plan ("RAP") on October 23, 1998. This conditional approval responded to the RAP submitted September 11, 1998 by the City's consultant, Cedar Corporation. Attached is a copy of Cedar Corporation's November 23, 1998 correspondence to WDNR with enclosures that documents design changes to the landfill gas venting and monitoring portion of the RAP to comply with WDNR's conditional approval. According to Cedar Corporation, the conditions to WDNR's approval concerning the landfill gas venting and monitoring system add the following additional costs to the RAP:

- Additional extraction vent - \$ 5,000.00
 - Additional 500 feet of header piping - \$12,000.00
 - Two additional gas monitoring probes - \$ 3,000.00
- \$20,000.00

This brings the gas venting and monitoring element of the RAP to a total estimated cost of \$51,000.00 (previously estimated to be \$31,000.00).

Also attached is Cedar Corporation's December 3, 1998 correspondence which provided soil analyses concerning the proposed Marciniak soil borrow site located near the Landfill. The City requested that WDNR approve of these borrow soils as the sub-base buffer for the geomembrane layer of the RAP. On December 10, 1998, WDNR rejected the Marciniak soils as unsuitable for the 18-inch soil layer beneath the geomembrane based upon its hydraulic conductivity. A copy of WDNR's December 10, 1998 correspondence is also enclosed. The cost implications of this issue are being investigated.

Lastly, on December 14, 1998, WDNR forwarded a draft plan modification approval regarding the Landfill, a copy of which is also attached. Please note that the Department is requesting that any written comments to the draft conditional plan approval be submitted by December 30, 1998. The City will be submitting comments to this draft.

As indicated in our last memorandum dated October 27, 1998, the City will soon initiate the Offer to Settle process, but cannot do so until final cost estimates are available following resolution of technical issues. We fully anticipate the Offer to Settle process to be initiated by February 1999.

DAC/tml

Attachments

cc (all w/o attach): The Honorable Harvey Stower, Mayor
Ms. Julie Riemenschneider, City Administrator
Mr. Scott McCurdy, Cedar Corp.
Ms. Marie Stewart, WDNR-Madison
Mr. William Schultz, WDNR-Rhineland
Mr. Gary Kulibert, WDNR-Rhineland
Mr. James R. Dunn, WDNR-Spooner

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
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FEB 11 1999

DNR - SPOONER

MEMORANDUM

TO: Identified Potentially Responsible and Interested Parties

FROM: David A. Crass, Esq. 
Michael Best & Friedrich LLP

DATE: February 9, 1999

RE: City of Amery Sanitary Landfill Matter (#0069)

In my December 18, 1998 communication, I provided you with a copy of the Wisconsin Department of Natural Resources' ("WDNR") draft Plan Modification Approval outlining WDNR's conditional approval of the Preliminary Remedial Action Plan ("RAP") dated September 1998 and submitted by Cedar Corporation on behalf of the City of Amery, Wisconsin (the "City") concerning the landfill site. Enclosed for your information are the following:

1. A copy of the City's January 14, 1999 cover letter and comments to WDNR's draft Plan Modification Approval.
2. A copy of WDNR's February 4, 1999 cover letter and final conditional Plan Modification Approval for the City of Amery Former Sanitary Landfill (License No. 0069).

You will note that WDNR has accepted many, but not all, of the City's comments to the draft. With this approval, the City may proceed with the Offer to Settle process as provided for in Section 292.35(3)(a) of the Wisconsin Statutes.

As you know, cost estimates were provided as well as a proposed allocation at a public hearing held in Amery in July 1998. Since that time, the City has submitted its Preliminary Remedial Action Plan and WDNR has now issued its final conditional approval of the same. The City has also received significant comments to its proposed allocation.

The conditions of WDNR's approval (as well as its prior disapproval of a proposed local borrow site for fine-grained soils for the previously proposed construction design) add costs to the project that were not reflected in the cost estimates provided at the public hearing in July 1998. However, preliminarily and for example, WDNR's conditions regarding further landfill gas monitoring and contingency planning during construction is estimated to

add \$20,000.00 to the project. Additionally and as noted above, because a local source of soils meeting the Department's design criteria for hydraulic conductivity was not located, the landfill design was changed to incorporate a geosynthetic clay ("GCL") layer in partial substitution for this silty soil layer at an additional estimated cost of about \$90,000.00.

Final and updated cost estimates are being prepared for purposes of the Offers to Settle. We will be back in touch soon with the Offers to Settle.

DAC/tml

Attachment

cc (w/out attach.): The Honorable Harvey Stower, Mayor
Mr. Scott McCurdy, Cedar Corporation
Mr. Jamie Dunn, WDNR-Spooner
Mr. Gary Kulibert, WDNR-Rhineland
Ms. Marie Stewart, WDNR-Madison
Mr. William Schultz, WDNR-Rhineland

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Dunn, James R

From: Schultz, Bill P
Sent: Tuesday, January 19, 1999 11:18 AM
To: Kulibert, Gary F; Dunn, James R; Meyer, Linda L
Cc: Stokstad, Mark H; Schultz, Bill P
Subject: Amery Landfill Plan Modification

In December, we sent a draft copy of the conditional plan modification for the Amery Landfill proposed remedial action plan to the city for comments. The city has faxed their comments. (The hard copy will follow shortly and I'll then send copies to you for your comments to their comments.) I talked to David Crass today (1/19/99) and he indicated that he wants to come to some resolution without a lot of letter writing and opening up the process to another revised RAP and public hearing with the RPs. I told him that we will consider their comments to the draft and I thought that a final plan modification could be issued without a new RAP and much fuss.

As I initially read their comments, the substantial ones are as follows:

The city now desires to now use a geosynthetic clay liner (GCL) and a foot of compacted soil to replace a two foot layer of compacted silt in the composite cover. (I have no problem with this, in some respects it is an upgrade from what we were going to allow.)

Some changes in the monitoring schedule. (Jamie: you will need to review this, but they are ask to have the monitoring automatically reduced after one year unless we object. I think we should allow them to request a reduction from us and it does not go into affect unless we agree in writing.)

Changes regarding automatic transition from the passive gas venting system to the active gas extraction system. The city is still proposing to install the extraction wells and the header piping system. (We need to discuss this, but is their request any different from what we would give most other solid waste sites? The city tries for source control site with an impermeable final cover. If in several years down the road we strongly believe that an active gas system is warranted, we can require it, and at that time the city can object and challenge our decision.)

Several wording changes in the findings of fact and conclusions of law sections. (Linda; you will need to review, but the changes look like no big deal to me.)

**MICHAEL BEST
& FRIEDRICH** LLP
Attorneys at Law

David A. Crass
608.283.2267

One South Pinckney Street
P.O. Box 1806
Madison, Wisconsin 53701-1806
FAX (608) 283-2275
Telephone (608) 257-3501

Offices in:
Milwaukee, Wisconsin
Chicago, Illinois
(Michael Best & Friedrich (Illinois))

Member: Lex Mundi,
A Global Association of
122 Independent Firms

December 23, 1998

William P. Schultz, P.E.
Remediation Engineer
101 S. Webster Street
Box 7921
Madison, WI 53707-7921

RE: City of Amery Former Sanitary Landfill
Draft Plan Modification Approval
(#0069)

Dear Mr. Schultz:

On behalf of the City of Amery, this is to briefly confirm our telephone conversation of today regarding the above matter. You have agreed, on behalf of the Department, to allow comments to the draft conditional plan approval to be submitted through January 15, 1999. Given the holiday season and other design and material issues presented by the draft, we thank the Department for this extension of time to submit comments.

Please contact me if I have misunderstood your grant of this extension.

Very truly yours,

MICHAEL BEST & FRIEDRICH LLP



David A. Crass

DAC:tml

cc: Mayor Harvey Stower
Mr. Scott McCurdy (Cedar Corp.)
Mr. James R. Dunn (WDNR - Spooner)
Mr. Gary Kulibert (WDNR-Rhineland)

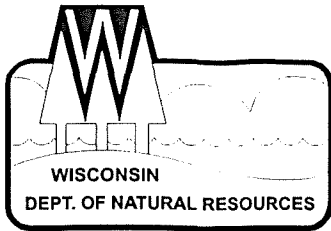
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DEC 28 1998

DNR - SPOONER

TO: —————> Jamie Dunn - Spooner



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
William H. Smith, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhineland, Wisconsin 54501-0818
Telephone 715-365-8900
FAX 715-365-8932
TDD 715-365-8957

02-05-99A08:00 RCVD

February 4, 1999

FILE REF: FID# 649009240
Polk Co.
RR
Approval

Mr. Harvey Stower, Mayor
City of Amery
118 Center Street
Amery, WI 54001

SUBJECT: Closure Plan Modification Approval, City of Amery Landfill (License #0069)

Dear Mr. Stower:

We are pleased to inform you of the Department's conditional closure plan modification approval for the City of Amery Landfill (License #0069), pursuant to ss. 289.05 and 289.30, Wis. Stats. Cedar Corporation, Inc. on behalf of the City of Amery submitted to the Department a remedial action report titled "City of Amery, Former Municipal Landfill, FID # 00069, Remedial Action Plan" dated September 11, 1998. The remedial action report is in response to s. NR 508.04 (4), Wis. Adm. Code, and enforcement standard exceedances outside the design management zone for VOCs and their threat to private drinking water wells down gradient of the landfill.

The conditional plan modification approval includes the construction of a composite cover over the waste mass as a source control measure. The highly impermeable cover is designed to prevent precipitation from percolating through the waste and into the groundwater. Additional items to be constructed include installing a passive gas venting system that can be converted into an active gas extraction system without compromising the composite cover, and a surface water drainage/collection system.

On December 14, 1998 the Department requested written comments to the draft conditional plan modification approval. Comments were submitted on the City's behalf and received by the Department on January 14, 1999. The Department has reviewed the proposed revisions and has incorporated many (but not all) into the final conditional approval. Requested changes that were incorporated include the following:

- A revised environmental monitoring table has been added to the approval.
- The Department has agreed to your request to substitute the use of a geosynthetic clay liner to replace the 18 inch compacted fine grain layer in the composite cover. A condition has been added requiring the City to submit a preconstruction report which will outline the materials to be

Quality Natural Resources Management
Through Excellent Customer Service



used and proper quality assurance procedures to be used during the installation of the composite cover.

- The Department has removed the proposed language regarding the automatic transition from a passive gas venting system to an active gas extraction system. Any required changes to the passive gas extraction system will be accomplished through modifying this plan modification approval at a later date.

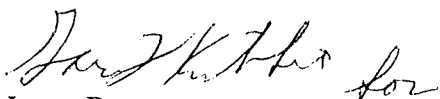
The majority of the conditions identified are related to assuring that the composite cover is constructed properly. Other conditions require the city to submit an effectiveness report prior to January 2005 assessing the effectiveness of the remedial effort at the landfill, to allow the Department to evaluate the groundwater quality at all identified points of standard application.

This Conditional Approval, modifying the Closure Plan is also issued pursuant to s. 292.35(2r)(c), Wis. Stats., as a conditional approval of the City's preliminary Remedial Action Plan.

You should attach this conditional plan modification approval directly to your closure plan approval.

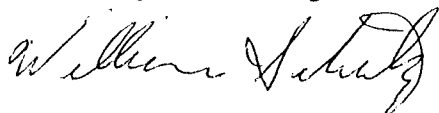
If you have any questions concerning this approval, please contact James Dunn at (715) 635-4049 or Wm. Schultz at (715) 365-8965.

Sincerely,



James Dunn

Northern Region R&R Program



William Schultz

Northern Region R&R Program

attachment: Approval Summary
Conditional Plan Modification Approval
Exhibit "A"

cc: Gary Kulibert NOR/Rhineland
Linda Meyer LS/5
David Crass Michael, Best & Friedrich, PO Box 1806, Madison WI 53701
Scott McCurdy Cedar Corp., 604 Wilson Ave., Menomonie, WI 54751

APPROVAL SUMMARY
AMERY CITY LANDFILL (license # 0069)

GENERAL INFORMATION

AUTHORIZED CONTACT: Mr. Harvey Stower, Mayor
City of Amery
118 Center Street
Amery, Wisconsin 54001
(715) 268-7486

LICENSEE AND PROPERTY OWNER: City of Amery

SITE LOCATION: SW 1/4 of NW 1/4 of Section 27, T33N, R16W, Town of Lincoln, Polk County, Wisconsin.

ACREAGE: Presently the waste mass covers approximately 7.5 acres. Waste along the southern edge of the waste mass is thinly laid. Waste along the south edge will be excavated and recompactd on the landfill top, resulting in an increase of the top final grades of the landfill improving runoff and reducing the required cover size to approximately 5 acres.

FACILITY DESIGN

FINAL COVER: The top slopes of the landfill will have a minimum slope of 5% and maximum slopes of 4H: 1V. The final cover will consist of the following from top to bottom:

- 6 inches of topsoil cover, seeded and mulched;
- a 18 inch loosely compacted soil rooting layer;
- a 12 inch sand drainage layer with a compacted hydraulic conductivity of 1×10^{-3} cm/sec or greater;
- Textured 40-mil LLDPE geomembrane;
- A geosynthetic clay liner;
- A 12 inch fine grained soil layer compacted to a high density at a moisture content near optimum; and,
- a 6 inch soil grading layer over the waste.

A vegetative cover will be established over the final cover to minimize erosion. Top soil shall be tested for pH, nitrogen, phosphorus, and potassium. Fertilizer and lime shall be applied at rates specified by the nutrient analysis. Seed will be applied at a rate of 3 lb/1,000 sq. ft and the surface mulched at approximately 1.5-3 tons/acre. All erosion controls shall conform to "Wisconsin Construction Site, Best Management Practice Handbook" and be maintained until a vigorous vegetative cover is realized.

A preconstruction report shall be submitted to the Department for approval prior to the beginning of construction. The report should present information about the manufacture and installer of the geosynthetic clay liner and geomembrane to be used, methods and equipment to be used in their installation, the quality assurance contractor and quality assurance plan.

LANDFILL GAS MANAGEMENT SYSTEM: A passive gas venting system will be installed that vents to the atmosphere. The gas venting system includes installing 4 - 6 inch diameter schedule 80 PVC perforated pipe in 36 inch washed stone filled boreholes. The wells will be drilled to within one foot of the base of the waste and will be spaced approximately 150 feet apart. Approximately 1,100 feet of 4 inch HDPE lateral header piping, 2 service valves, and 4 cleanouts will be buried under the 18 inch compacted fine grain soil layer to facilitate the potential conversion of the passive venting system to an active extraction system if required at a later date. A passive surface vent will be included at the high point of the final cover to vent gas from directly under the final cover. There is no current plan or requirement to install an active gas extraction system or flare landfill gas.

SURFACE WATER MANAGEMENT AND DRAINAGE CONTROL: A perimeter drainage channel will extend around the entire landfill and convey surface water runoff to a sedimentation basin which will be constructed in the northwest part of the site. The drainage ditches are sized to accept velocities less than 2.75 feet/sec. The sedimentation basin is designed to control runoff from a 25-year 24 hour storm event.

CONSTRUCTION DOCUMENTATION AND CERTIFICATION: Upon completion of the composite cover, gas venting and surface drainage systems, a report documenting all aspects of waste relocation and construction shall be submitted to the Department. The report shall be certified by a registered professional engineer as required in s. NR 516.04 (3), Wis. Adm. Code.

ENVIRONMENTAL MONITORING

PERIMETER GAS MONITORING: A minimum of four gas monitoring probes (GP-1, GP-2, GP-3, and GP-4) will be located around the perimeter on all sides of the landfill to help assure that horizontal gas migration is not occurring. The City shall monitor the gas probes concurrently with groundwater sampling pursuant to the schedule attached as Exhibit A. The date and time of sampling shall be recorded as well as the barometric pressure, trend in barometric pressure and ground surface conditions. The City shall document the monitoring in accordance with s. NR 507.22 Wis. Adm. Code.

GROUNDWATER MONITORING: The City of Amery shall conduct environmental monitoring at and around the landfill as specified pursuant to the schedule attached as Exhibit A. All monitoring data shall be submitted in accordance with s. NR 507.26 (3), Wis. Adm. Code.

After one year of monitoring the City may request reductions in the environmental monitoring schedule. No reductions shall be allowed without prior written approval by the Department.

EFFECTIVENESS EVALUATION REPORT:

Prior to January 2005, the City shall prepare and submit to the Department a report evaluating environmental conditions associated with the landfill and the effectiveness of this remedy. This

evaluation shall assess and evaluate groundwater quality at all identified points of standards application. The review shall consider all contaminants identified at the site in light of ch. NR 140 Wis. Adm. Code. Those compounds that are identified for which there are no standards established shall also be considered. The review shall address all groundwater quality data available. This report shall also provide a recommendation to the Department for modification of the monitoring parameters and frequency for approval by the Department, to address future monitoring requirements.

If, based on the Department's evaluation of any environmental monitoring report or data submitted for this site, the Department determines that operation of an active landfill gas extraction system is required to be protective of human health or the environment, then the Department may seek to modify this plan modification approval consistent with that determination.

**BEFORE THE
STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES**

**CONDITIONAL APPROVAL
MODIFYING THE CLOSURE PLAN
FOR THE CITY OF AMERY LANDFILL**

(Landfill #00069)

FINDINGS OF FACT

The Department finds that:

1. The City of Amery owns and operated a municipal solid waste disposal facility located in the SW quarter of the NW quarter of Section 27, Township 33N, Range 16W, Town of Lincoln, Polk County, Wisconsin.
2. The Department has issued the license number 00069 to the landfill. The facility was originally licensed on October 17, 1969. The landfill closed in 1989. On August 19, 1991, the Department determined the landfill was closed in substantial compliance with the requirements of NR 506.08, Wis. Admin. Code and the status of the landfill was changed from "transitional" to "inactive/closed".
3. A conditional closure plan approval was issued by the Department on February 21, 1984. However, because the landfill does not have a plan of operation approval under s. 289.30, Wis. Stats., it is considered to be a non-approved facility under s. 289.01 (24), Wis. Stats.
4. The Department considered the following documents regarding the groundwater standards exceedances at this facility:
 - A. Groundwater quality data for the City of Amery landfill in our file including the Turn Around Documents (TADs).
 - B. Water quality data (in our file) from six private wells in the immediate vicinity of the landfill that have documented detection of volatile organic compounds.
5. The Department issued a Closure Plan Modification to the City on May 11, 1993. This Closure Plan Modification required the City to complete an Environmental Contamination Assessment (ECA) of the landfill and determine the degree and extent on the contamination migrating from the landfill and recommend a remedial action that will result in regaining compliance with ch. NR 140, Wis. Adm. Code.
6. The City submitted the ECA dated February 4, 1994 with an addendum dated July, 1995. Conclusions in that ECA included:
 - A. Groundwater contamination exceeding NR 140 enforcement standards has migrated from the landfill approximately ½ mile and discharges to the Apple River.

10. The special conditions set forth below are needed to:
 - A. Minimize the concentration of the substances in groundwater at the point of standards applications where technically and economically feasible through source control achieved by construction of a low permeable cap to minimize infiltration of water percolating through the waste mass..
 - B. Attempt to regain and maintain compliance with the preventive action limits where technically and economically feasible or to establish that natural attenuation will bring the groundwater into compliance with ch. NR 140 groundwater quality standards within a reasonable period of time..
 - C. Ensure that in the future enforcement standards are not attained or exceeded at points of standards application.

CONCLUSIONS OF LAW

The Department concludes that:

1. The Department has authority under ch. 289, Wis. Stats., to modify a plan approval if the modification would not inhibit compliance with the applicable portions of chs. NR 500-526, Wis. Adm. Code.
2. The Department has authority to approve a plan of operation with special conditions if the conditions are needed to ensure compliance with the applicable portions of chs. NR 500-526, Wis. Adm. Code.
3. The Conditions set forth below are needed to ensure compliance with the applicable portions of chs. NR 500-526, Wis. Adm. Code.
4. The Department has authority under ss. 289.05 and 289.30, Wis. Stats., and ch. NR 514.08, Wis. Adm. Code, to require the submittal of a closure plan, and to approve or modify the closure plan with special conditions, if the conditions are needed to ensure compliance with state statutes and administrative code.
5. The Department has authority to require a response under s. 160.25, Wis. Stats., and ch. NR 140.26(2), Wis. Adm. Code, if an enforcement standard for a substance of public health or welfare concern has been attained or exceeded at a point of standards application.
6. The Department has authority to require a response under s. 160.23, Wis. Stats., and ch. NR 140.24(4), Wis. Adm. Code, if a preventive action limit for a substance of public health or welfare concern has been attained or exceeded at a point of standards application.
7. The Department has the authority to approve a preliminary remedial action plan as submitted or require modifications pursuant to s. 292.35 (2r) (c), Wis. Stats.
8. In accordance with the foregoing, the Department has authority under ch. 289, ss 292.35, ss. 160.23 and 160.25, Wis. Stats., and ss. 140.24 and 140.26, Wis. Adm. Code, chs. NR 500-520, Wis. Adm. Code, to issue the following conditional plan modification and remedial action plan, which requires responses to exceedances of groundwater standards.

CONDITIONAL APPROVAL

The Department hereby conditionally approves the construction of the Remedial Action Plan (RAP 2) and modifies the Closure Plan Approval for the City of Amery Landfill (License #00069) as provided below:

General Requirements

- 1) The City of Amery (the City) shall construct a composite cover as proposed in the Remedial Action Plan dated September 1998, in compliance with the requirements in this conditional approval. All construction shall be completed prior to September 30, 1999.

Construction of the Composite Cover

Design and Construction

- 2) The final cover will consist of the following from top to bottom:
 - a. A 6 inch layer of topsoil cover, seeded and mulched;
 - b. An 18 inch loosely compacted soil rooting layer;
 - c. A 12 inch sand drainage layer with a compacted hydraulic conductivity of 1×10^{-3} cm/sec or greater;
 - d. A textured 40-mil LLDPE geomembrane;
 - e. A geosynthetic clay liner (GCL);
 - f. A compacted 12 layer of fine grained soil; and,
 - g. A 6 inch soil grading layer over the waste.
- 3) The soil materials below and over the geomembrane component of the final cover shall comply with the following:
 - a. The 12 inch drainage layer directly above the 40 mil LLDPE geomembrane shall have a compacted hydraulic conductivity of 1×10^{-3} cm/sec or greater.
 - b. The 12 inch fine grained soil layer directly under the geomembrane shall be compacted to 90% or greater standard Proctor density at a moisture content within 5% of optimum.
 - c. A minimum of two weeks before construction is to begin, a report shall be submitted to the Department which fulfills the requirements in s. NR 512.15 (4), Wis. Adm. Code, for identification and characterization of the proposed borrow sources for all soil materials to be used for the construction of the final cover.

- 4) A minimum of two weeks before construction is to begin, a preconstruction report shall be submitted to the Department for approval. This report shall contain the following:
 - a. Information about the manufacturer(s) and installer(s) of the GCL and geomembrane,
 - b. Methods and equipment to be used in installation.
 - c. A planned panel layout.
 - d. The quality assurance contractor and quality assurance (QA) plan. The QA plan shall comply with the elements found in "Guidance for the Use of Geosynthetic Clay Liners (GCLs) at Solid Waste Facilities", PUBL-WA-823-98, Bureau of Waste Management, Wisconsin Department of Natural Resources, November 1998.
- 5) Prior to placement of the GCL, the soil surface shall be rolled and graded so it is free of irregularities, protrusions, loose soil and abrupt changes in grade. The surface shall also be free of stones, grade stakes and construction debris which may be damaging to the GCL and shall contain no areas excessively softened by high water content.
- 6) All GCL panels shall be covered by geomembrane on the same day the GCL is laid down. GCL panels that are excessively wet and have hydrated before they are adequately covered with geomembrane and soil shall be removed and replaced.
- 7) The final landfill shall have a minimum slope of 5% and maximum slopes of four horizontal to one vertical (4H:1V).
- 8) Construction and testing of the geomembrane component of the final cover shall comply with the following:
 - a. Polyethylene geomembranes composed of resins specifically formulated for waste containment purposes shall be utilized in the construction of the geomembrane components of the composite liner and the composite capping layer. If use of alternative geomembrane materials are proposed, the proposal shall be submitted to the Department for review and approval prior to utilization.
 - b. Quality assurance personnel shall be on site and performing their assigned duties at all times that the geomembrane is being deployed, seamed, or tested.
 - c. The geomembrane panels shall be installed parallel to all slopes in excess of 10%, providing alignment of the seams in a direction along and not across the slope.
 - d. Department approval shall be obtained prior to geomembrane installation for ambient temperatures below 32° F.
 - e. Installed geomembrane shall be covered with earthen material within 30 days of completing quality control and quality assurance testing of the installation.
 - f. All areas of completed composite capping layer of the final cover shall be covered with the drain layer material and rooting zone material after completion of documentation of

geomembrane construction quality assurance. Any topsoil and seeding not completed during the construction season in which the geomembrane was installed shall be completed no later than May 31 the following year.

- g. Field shear and peel tests of geomembrane seams and membranes shall be performed using standardized specimen sizes in tensile testing machines with mechanically or electrically controlled rates of jaw separation. The tensile testing machine shall be equipped with electrically controlled and smoothly moving jaw separation apparatus, capable of adjustments and defined settings for jaw separation rate, and displaying jaw separation rates and tensile loadings exerted on the geomembrane samples. Tensile testing machines shall be accompanied by documentation for calibration conducted within one month of the start of geomembrane installation. Geomembrane samples shall be prepared for field analyses by use of templates and cutting tools that prepare uniformly sized samples.
 - h. Prequalification tests for geomembrane welding machines shall be conducted by a minimum of two prequalification seams run per welding machine each day by each seaming technician performing geomembrane welding, with additional test runs following work interruptions or weather changes. Extrusion welding machine performance shall be verified by a minimum of one test seam per day per machine. A portion of each prequalification specimen shall be tested in the field for acceptable tensile strength.
 - i. Nondestructive field seam testing shall be performed on all seams of geomembrane attached by welding or mechanical attachments to other geomembrane sheet, plastic plate, and pipe penetrations.
 - j. Destructive field and laboratory seam test samples shall be taken at a rate of one sample per 500 feet of fusion seam accomplished, unless another frequency or spacing is approved by the Department. Destructive seam test samples shall be tested under the same protocol as the welding machine test seams.
 - k. A destructive sample shall be taken from at least one end of each fusion weld and tested using a calibrated field tensile testing machine. Sampling may be waived for butt seams or seams subjected to extrusion welds of tee joints or repairs, where such welds are subjected to integrity tests specific to extrusion welds.
- 9) The minimum thickness of soil which must be present over the geomembrane component before vehicular travel may occur shall be 1 foot for low-pressure tracked dozers and 2 feet for all other tracked vehicles. Trucks and other wheeled hauling equipment shall be confined to corridors or locations with a soil thickness of 3 or more feet over the geomembrane component.
- 10) Guidance to machine operators placing soil on the geomembrane component shall be provided by the use of an observer with unobstructed view of the advancing lift of soil.
- 11) The design and construction of the final cover system shall comply with the following:

- a. A minimum thickness of 12 inches of drain layer sand plus 24 inches of rooting zone soil and topsoil shall be maintained over the geomembrane component of the final cover at all locations on the final cover.
 - b. The inverts of the channels of the diversion berms shall be lined with erosion control mat. The channels of the diversion berms and final cover spillways shall be planted with vegetation which is resistant to erosion, abrasion, and temporary submergence caused by flowing surface water.
 - c. The topsoil on the final cover system shall be seeded with a cover crop within 30 days of placement of the topsoil.
 - d. The selected seed mix shall be amended with seed mixes 20 or 70 and seed rates, as defined in the Wis. DOT 1989 Standard Specification for Road and Bridge Construction, if use of native seed mixes does not result in an erosion-resistant vegetative cover by June of the year following topsoil placement on the final cover.
- 12) Penetrations of the geomembrane component of the composite capping layer shall be constructed of prefabricated collars of polyethylene pipe and membrane, welded at the same angles which the penetrations make with the final cover slope.
- 13) Within 90 days of completion of the composite cover, gas venting and surface drainage systems, a report documenting all aspects of waste relocation and construction shall be submitted to the Department. The report shall be certified by a registered professional engineer as required in s. NR 516.04 (3), Wis. Adm. Code.

Groundwater Monitoring Parameters and Frequency

- 14) The City of Amery shall conduct Environmental monitoring at and around the landfill as specified in the schedule attached at Exhibit A. One year following completion of the final cover the City may request and the Department may grant a reduction in the required monitoring. No reduction in monitoring may be allowed without written approval from the Department.

Submittal of Effectiveness Evaluation Report

- 15) Prior to January 2005, the City shall prepare and submit to the Department a report evaluating environmental conditions associated with the landfill and the effectiveness of this remedy. This evaluation shall assess and evaluate groundwater quality at all identified points of standards application. The review shall consider all contaminants identified at the site in light of ch. NR 140 Wis. Adm. Code. Those compounds that are identified for which there are no standards established shall also be considered. The review shall address all groundwater quality data available. This report shall also provide a recommendation to the Department for modification of the monitoring parameters and frequency for approval by the Department, to address future monitoring requirements.

Landfill Gas Monitoring

- 16) The City shall monitor gas probes GP-1, GP-2, GP-3, and GP-4 quarterly for O₂, CH₄, and CO₂. Sampling shall be performed concurrently with groundwater sampling as specified in the

- B. A number of private wells have been abandoned due to contaminants present in the drinking water supply wells, or due to their close proximity to the groundwater contaminant plume.
 - C. Other private wells in current use exist within 1200 feet of the landfill and three of which are considered to be in close proximity to the contaminant plume.
 - D. One private well in current use (Fouks well) has shown low concentrations of VOCs (below Preventive Action Limits) in the past.
7. On or about September 30, 1994, the City extended municipal water service to residents of Staffenson Street.
8. The City developed a preliminary remedial action plan (RAP1) concerning source control efforts at the site and held a public hearing in September 1996 soliciting comments on RAP1. The city submitted a Preliminary Remedial Action Plan (RAP2) dated September 1998 which updated RAP1 with further environmental monitoring conducted in 1998 and presented some design changes concerning source control efforts at the site. RAP2 included a report and 9 plan sheets. The Department conceptually agreed to the remedial concept in a letter to the City dated October 23, 1998. Additional information was submitted but the City including 3 revised plan sheets dated November 23, 1998.
9. The Department considers the following facts to be significant in its decision to modify the closure plan, as set forth below:
- A. The City of Amery landfill is an unlined, natural attenuation facility, which accepted municipal, commercial and industrial waste.
 - B. The City of Amery landfill is located in an area which has unconsolidated glacial outwash underlain by Ordovician age dolomitic rocks.
 - C. Groundwater flows beneath the site in a westerly direction, towards the Apple River.
 - D. Monitoring Well 2 is located directly down gradient from the filled portion of the site and is within the Design Management Zone (DMZ). Preventive Action Limits (PAL) exceedances have occurred at this well.
 - E. Volatile Organic Compounds (VOCs) have been detected at this well, specifically Chloroethane, 1,1-Dichloroethane, 1,2-Dichloroethylene Cis, Tetrachloroethylene, 1,1,1-Trichloroethane, Trichloroethylene, and Vinyl Chloride.
 - F. The contaminant plume containing Volatile Organic Compounds and Inorganic metals extends over 3,000 feet and discharges into the Apple River.
 - G. VOCs exceeding the State's drinking water standards were found in private drinking water wells in contaminant plume area.
 - H. Public water was extended to all City residence in and near the contaminant plume.
 - I. Other private wells exist within 1200 feet of the site.

schedule attached at Exhibit A.. The date and time of sampling shall be recorded as well as the barometric pressure, trend in barometric pressure and ground surface conditions. The City shall document the monitoring in accordance with the requirements of s. NR 507.22, Wis. Adm. Code. this requirement supersedes any previous landfill gas monitoring requirements.

Active Gas Extraction

- 17) If , based on the Department's evaluation of any environmental monitoring report or data submitted for this site, the Department determines that operation of an active landfill gas extraction system is required to be protective of human health or the environment , then the Department may modify this plan modification consistent with that determination.

The Department reserves the right to require the submittal of additional information and to modify this approval at any time, if in the Department's opinion, modifications are necessary. The City of Amery reserves all rights to contest or appeal any modification to this approval issued by the Department. Unless specifically noted, the conditions of this approval do not supersede or replace any previous conditions of approval for this facility.

NOTICE OF APPEAL RIGHTS

If you believe you have a right to challenge this decision, you should know that Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed.

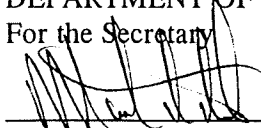
For judicial review of a decision pursuant to sections 227.52 and 227.53, Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review shall name the Department of Natural Resources as the respondent.

This notice is provided pursuant to section 227.48(2), Stats.

Dated 2/4/99

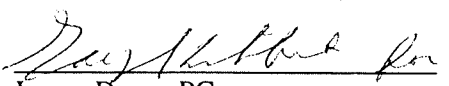
DEPARTMENT OF NATURAL RESOURCES

For the Secretary



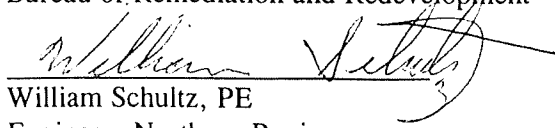
Mark Stokstad

Air & Waste Team Leader, Northern Region



James Dunn, PG

Hydrogeologist, Northern Region
Bureau of Remediation and Redevelopment



William Schultz, PE
Engineer, Northern Region
Bureau of Remediation and Redevelopment

EXHIBIT "A"

**AMERY LANDFILL
REMEDIAL ACTION PLAN
ENVIRONMENTAL MONITORING PLAN**

LANDFILL GAS VENTS TO BE SAMPLED

Extraction Vents EV-1, EV-2, EV-3, EV-4
LFG Vapor Monitoring Points GMP-1, GMP-2, GMP-3, GMP-4

GROUNDWATER WELLS TO BE SAMPLED

Within DMZ MW-1, MW-2R, MW-2AR, MW-3
(note: 2R & 2AR are replacement wells for 2 & 2A)
Sidegradient (points of standards application) A-1, A-2, C-1, C-2
Downgradient (points of standards application) B-1, B-2, D-1, D-2, E-1, E-2, F-1, F-2, F-3, G-1, G-2, G-3, H-1, H-2 (note: H-1 & H-2 to be constructed)
Residential (points of standards application) Fouks, Jackson, Ryan (VOC only by method 502.2 or 524.2)

Type/ Parameter	Test Method	Well	Frequency	Duplicate
Landfill Gases				
Methane	Field	All	Quarterly	No
Oxygen	Field	All	Quarterly	No
CO ²	Field	All	Quarterly	No
GW Indicator				
Alkalinity, total	EPA 310.1	All	Quarterly	No
Chloride, dissolved	EPA 325.3	All	Quarterly	No
Chemical Oxygen Demand (COD)	EPA 410.1	All	Quarterly	No
Hardness, total	EPA 130.2	All	Quarterly	No
Solids, dissolved	EPA 160.1	All	Quarterly	No
Groundwater Elevations	Field	All	Quarterly	No
pH	Field	All	Quarterly	No
specific conductance	Field	All	Quarterly	No
Iron & Manganese	EPA 6110	All	Quarterly	No
GW - Natural Attenuation				
Oxygen, dissolved	Field	All	Quarterly	No
reduction oxidation potential	Field	All	Quarterly	No
Iron, soluble	EPA 236.1	All	Quarterly	No
Sulfate, soluble	EPA 375.4	All	Quarterly	No
Nitrate, nitrite- nitrogen	EPA 353.3	All	Quarterly	No
GW - Volatile Organic Compounds	EPA 8260	All	Quarterly	No