



P O Box 16083 • Duluth, MN 55816-0083
Office: 218-628-0454
Fax: 218-628-0455

April 10, 1995

Chris Saari
Wisconsin Department of Natural Resources
6250 South Ranger Road
Box 125
Brule, WI 54820-0125
(715) 372-4866



RE: Monthly Progress Report for the Moose Junction Lounge LUST Investigation near Dairyland, WI. Wisconsin Unique ID# 0301.

Dear Mr. Saari:

Earth Burners Inc. (EBI) presents this monthly progress report as required by Administrative Order No. NWD-92-023. The following actions were completed in March of 1995:

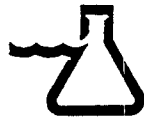
- * Correspondence with the site owner concerning PECFA reimbursement.
- * Reviewed groundwater analytical results from samples collected in February. MW-2 continues to be grossly contaminated. A copy of the results are provided for your convenience.
- * A file review was accomplished to determine the costs difference of a groundwater pump and treatment method compared to a soil vapor system. The groundwater method adapting MW-2 as a recovery well appears to be the most cost effective remedial option.

EBI was informed by the postman that Margaret Dickman has recently passed away. Access agreements will have to be renewed with Howard Proffit, present resident of the house. Note that this is the targeted property for remediation. This fact may cause scheduling and other access problems. If you have any questions concerning any aspect of this progress report, please call me at (218) 628-0454 during business hours.

Sincerely,

Roger W. Biebl
Project Hydrogeologist
Earth Burners Inc.

pc: John Anderson, DILHR
Environmental Engineering/Consulting/Contracting • Tank Removal/Installation • Soil/Water Treatment
Earth Burners recycles and we hope you do, too!



728 GARFIELD AVENUE DULUTH, MINNESOTA 55802
MN (218) 722-1911 ■ FAX (218) 722-3295

LAKE SUPERIOR LABORATORIES

A DIVISION OF TWIN PORTS TESTING, INC.

Date: 03/03/95

Client: Earth Burners Inc.
500 Leisure Street
P.O. Box 16083
Duluth, MN 55816

Attn: Jim Warren

Phone: (218) 628-0454

Fax: (218) 628-0455

Chain of Custody #: 12098

Project: Moose Junction Lounge

Project ID: 9308-030

LAB ID #	SAMPLE ID
1393-95LS	MW-4
1394-95LS	MW-1
1395-95LS	MW-1A
1396-95LS	MW-2

Signature _____

Linda Thiry

Linda Thiry, Director
Tim Buck, Lab Manager

Wis. Certification Number: 816057440

Minn. Certification Number: 027-137-307

This cover page is the first of _____ pages

Quality Assurance / Quality Control Report

Client: Earth Burners Inc.

Chain Of Custody #: 12098

Project: Moose Junction Lounge

Project ID: 9308-030

QC Parameter	GRO	DRO	BTEX/PVOC	VOC	INORGANICS
Blank	Pass	NA	Pass	NA	Pass
Duplicate	NA	NA	NA	NA	Pass
Spike	Pass	NA	Pass	NA	Pass
Spike Replicate	Pass	NA	Pass	NA	NA
Soil Spike	NA	NA	NA	NA	NA

Remarks

Client
 Earth Burners Inc.
 500 Leisure Street
 P.O. Box 16083
 Duluth, MN 55816

Project: Moose Junction Lounge
Project ID: 9308-030

Collected By: Wayne Orrey
Delivered By: M. Pederson

	Chem. Lab ID	Sample Type	Collected	Received	Reported	Sample Description	1393-95LS	1394-95LS	1395-95LS
							Water	Water	Water
			02/09/95	02/09/95	02/09/95	MW-4			
			02/10/95	02/10/95	02/10/95				
			03/03/95	03/03/95	03/03/95				
Analysis	Date Analyzed	MDL							
Gasoline Range Organics	02/23/95	0.100 mg/l				ND	0.446 mg/l	ND	
Methyl tert-Butyl Ether	02/23/95	0.005 mg/l				ND	ND	ND	
Benzene	02/23/95	0.005 mg/l				0.039 mg/l	0.052 mg/l	0.008 mg/l	
Toluene	02/23/95	0.005 mg/l				ND	ND	ND	
Ethylbenzene	02/23/95	0.005 mg/l				ND	0.006 mg/l	ND	
Xylenes, Total	02/23/95	0.005 mg/l				ND	0.016 mg/l	ND	
1,3,5-Trimethyl Benzene	02/23/95	0.005 mg/l				ND	ND	ND	
1,2,4-Trimethyl Benzene	02/23/95	0.005 mg/l				ND	0.024 mg/l	-ND	
Lead	03/06/95	0.001 mg/l				0.015 mg/l	0.042 mg/l	-	

Remarks

- => Not Tested For
- MDL => Method Detection Limit
- ND => Not Detected at or above MDL

Client
 Earth Burners Inc.
 500 Leisure Street
 P.O. Box 16083
 Duluth, MN 55816

Project: Moose Junction Lounge
Project ID: 9308-030

Collected By: Wayne Orrey
Delivered By: M. Pederson

Chem. Lab ID	1396-95LS		
Sample Type	Water		
Collected	02/09/95		
Received	02/10/95		
Reported	03/03/95		
Sample Description	MW-2		

Analysis	Date Analyzed	MDL			
Gasoline Range Organics	02/23/95	0.100 mg/l	131 mg/l		
Methyl tert-Butyl Ether	02/23/95	0.005 mg/l	0.296 mg/l		
Benzene	02/23/95	0.005 mg/l	28.200 mg/l		
Toluene	02/23/95	0.005 mg/l	26.600 mg/l		
Ethylbenzene	02/23/95	0.005 mg/l	2.000 mg/l		
Xylenes, Total	02/23/95	0.005 mg/l	8.700 mg/l		
1,3,5-Trimethyl Benzene	02/23/95	0.005 mg/l	0.649 mg/l		
1,2,4-Trimethyl Benzene	02/23/95	0.005 mg/l	2.370 mg/l		
Lead	03/06/95	0.001 mg/l	0.047 mg/l		

Remarks

1396-95LS Benzene, toluene, xylenes, and 1,2,4-trimethylbenzene results are over calibration range.

MDL ⇒ Method Detection Limit

ND ⇒ Not Detected at or above MDL

LAKE SUPERIOR LABORATORIES

SAMPLE CONDITION UPON RECEIPT CHECKLIST

Client: Earth Burners
 Project: Moose Junction Lounge
 Date Received: 2/10/95
 COC #: 12098
 Samples Received By: 44
L. Hanson
 (Signature)

- | | Yes | No |
|--|--------------|-----|
| 1. Is there a chain of custody (COC) or letter stating information contained on a COC? | <u>X</u> | ___ |
| 2. Is the date and time relinquished in agreement with that written on the letter or COC? | <u>X</u> | ___ |
| 3. Do the samples received agree with the COC or accompanying paperwork (i.e. number of samples, matrices, sample tags, sample containers, analyses, etc.)? | <u>X</u> | ___ |
| 4. Are all the samples within the holding times for requested analyses? Communicate any lapse of greater than 4 days beyond date of collection for VOA analysis. | <u>X</u> | ___ |
| 5. Are all the sample containers intact (i.e., not broken, leaking, etc.)? | <u>X</u> | ___ |
| 6. Did the samples arrive on ice? | <u>X</u> | ___ |
| a) What temperature did the samples arrive at? | <u>5.4 C</u> | ___ |
| b) Are the samples at the proper temperature? | <u>X</u> | ___ |
| 7. Is there enough sample to do all the analyses? | <u>X</u> | ___ |
| 8. Are the samples preserved correctly? | <u>X</u> | ___ |
| 9. Are the VOA vials head-space free? | <u>X</u> | ___ |

Blue

'NO' Items Explained: