



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



September 14, 1995

Chris Saari  
Wisconsin Department of Natural Resources  
6250 South Ranger Road, Box 125  
Brule, WI 54820-0125

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

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 August, 1995:

- \* Groundwater Sampling on August 7, 1995.
- \* Review groundwater analytical results. MW-2 continues to be greater than 100 ppm GRO with a benzene concentration of 33.4 ppm. MW-4, the down-gradient well, detected very low concentrations of BTEX contamination the second consecutive quarter. MW-1, the well installed near the former UST basin continues to decrease in GRO and BTEX concentrations. The laboratory report is attached.
- \* Begin construction specifications for bid proposals of a soil venting/vapor extraction system at the MW-2 location (on the late Margaret Dickman property).
- \* Received an access agreement with the executor of the late Margaret Dickman estate which is also attached.

Because high concentrations continue to plague the MW-2 location and migrating contaminants, EBI agrees with the WDNR that a more comprehensive remedial system is necessary to clean both the soils and groundwater at the site. A revised Remedial Action Plan will be forthcoming. 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

pc: John Anderson, DILHR  
Dale Schultz



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

A DIVISION OF TWIN PORTS TESTING, INC.

**LAKE SUPERIOR LABORATORIES**

Date: 09/14/95

Client: Earth Burners Inc.  
500 Leisner Street  
P.O. Box 10083  
Duluth, MN 55816

Attn: Jim Warren

Phone: (218) 628-0454

Fax: (218) 628-0455

Chain of Custody #: 12916

Project: Moose Junction Lounge

Project ID: 9308

LAB ID #	SAMPLE ID
3724-95LS	EW-2
3725-95LS	
3726-95LS	
3727-95LS	EW-3

**REVISED**

Signature

Linda B. Buck Director  
Tim Buck Manager

Wis. Certification Number: 816057440

Minn. Certification Number: 027-137-307

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### Quality Assurance / Quality Control Report

Client: Earth Burners Inc.

Chain Of Custody #: 12116

Project: Moose Junction Lounge

Project ID: 9308

QC Parameter	Blank	Soil Blank	Duplicate	Spike	Spike Duplicate	Soil Spike	Soil Spike Duplicate
GRO	Pass	NA	NA	Pass	Pass	NA	NA
BTEX/PVOC	Pass	NA	NA	Pass	Pass	NA	NA

Remarks REVISED REP

**LABORATORY ANALYSIS REPORT**

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

**Project:** Moose Junction Lunge  
**Project ID:** 9308

**Collected By:** Wayne Orrey  
**Delivered By:** Wayne Orrey

<b>Chem. Lab ID</b>	3724-95LS	3725-95LS	3726-95LS
<b>Sample Type</b>	Water	Water	Water
<b>Collected</b>	08/07/95	08/07/95	08/07/95
<b>Received</b>	08/08/95	08/08/95	08/08/95
<b>Reported</b>	08/16/95	08/16/95	08/16/95
<b>Sample Description</b>	MW-2	MW-4	MW-1

<b>Analysis</b>	<b>Date Analyzed</b>	<b>MDL</b>			
MTBE	08/11/95	0.00500 mg/l	ND	ND	ND
Benzene	08/11/95	0.00500 mg/l	33.4 mg/l	0.00583 mg/l	0.00841 mg/l
Toluene	08/11/95	0.00500 mg/l	34.3 mg/l	0.00546 mg/l	ND
Ethylbenzene	08/11/95	0.00500 mg/l	1.95 mg/l	ND	ND
Total Xylene	08/11/95	0.00500 mg/l	12.1 mg/l	ND	ND
1,3,5 Trimethylbenzene	08/11/95	0.00500 mg/l	<1.00 mg/l	ND	ND
1,2,4 Trimethylbenzene	08/11/95	0.00500 mg/l	1.82 mg/l	ND	ND
Gasoline Range Organics	08/11/95	0.100 mg/l	125 mg/l	ND	0.201 mg/l

**Remarks**

REVISED REPORT

3724-95LS Elevated detection limit due to dilution effect.

MDL ⇒ Method Detection Limit  
 ND ⇒ Not Detected at or above MDL

**LABORATORY ANALYSIS REPORT**

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

**Project: Moose Junction Lounge**  
**Project ID: 9308**

**Collected By: Wayne Orrey**  
**Delivered By: Wayne Orrey**

<b>Chem. Lab ID</b>	3727-95LS		
<b>Sample Type</b>	Water		
<b>Collected</b>	08/07/95		
<b>Received</b>	08/08/95		
<b>Reported</b>	08/16/95		
<b>Sample Description</b>	MW-3		

<b>Analysis</b>	<b>Date Analyzed</b>	<b>MDL</b>			
MTBE	08/11/95	0.00500 mg/l	ND		
Benzene	08/11/95	0.00500 mg/l	0.0559 mg/l		
Toluene	08/11/95	0.00500 mg/l	ND		
Ethylbenzene	08/11/95	0.00500 mg/l	ND		
Total Xylene	08/11/95	0.00500 mg/l	ND		
1,3,5 Trimethylbenzene	08/11/95	0.00500 mg/l	ND		
1,2,4 Trimethylbenzene	08/11/95	0.00500 mg/l	ND		
Gasoline Range Organics	08/11/95	0.100 mg/l	0.107 mg/l		

**Remarks**

REVISED REPORT

MDL ⇒ Method Detection Limit  
 ND ⇒ Not Detected at or above MDL





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## ACCESS AGREEMENT FOR ENVIRONMENTAL INVESTIGATION/REMEDIATION

Earth Burners, Inc. (EBI) requests permission to access the property as located on Figure 1 to sample the subsurface via use of hollow stem auger borings and to install a remedial system near the Northeast corner of the property. Figure 2 shows the remedial system work zone which is the boundary of the proposed access. This request is required by the Wisconsin Department of Natural Resource (WDNR) as an on-going site investigation concerning a neighboring former motor vehicle gasoline retail outlet. EBI's sole intention is to clean-up the groundwater to Standards. EBI will be responsible for any damage your property sustains as a result of our environmental activities. If you approve this access agreement, please read, sign and date the agreement below.

I, Conrad E. Swenson, as executor of the late Margaret Dickman estate, approve access onto the work zone boundary of the property between June 1, 1995 and June 1, 1996 to Earth Burners, Inc. and their subcontractors to for the sole purpose of completing an environmental system to remediate subsurface soils and groundwater. I understand that environmental activities consisting of either an air sparging/soil vapor extraction or a groundwater pump and treatment system will be installed in accordance with WDNR and the Department of Labor and Human Resources (DILHR) standards. My property will be left, as feasibly possible, in its original condition.

### ACKNOWLEDGMENT OF APPROVAL

Conrad E. Swenson  
(Signature)

Date: June 12, 1995

5215 West Wellington Avenue  
Chicago, IL 60641  
Mailing Address

1-(312)-777-2926  
Telephone Number