



# Minnesota Pollution Control Agency

---

March 18, 1993

Mr. Robert McDermott  
17862 83rd Avenue North  
Maple Grove, Minnesota 55311

Dear Mr. McDermott:

RE: Petroleum Tank Release Site Closure  
Site: Jerry's New Market, 670 West County Road B, Roseville  
Site ID#: LEAK00005603

The Minnesota Pollution Control Agency (MPCA) staff has determined that the cleanup performed in response to the petroleum tank release at the site referenced above has adequately addressed the petroleum contamination, and therefore the file regarding this release will be closed.

On September 1, 1992, a petroleum tank release was reported to the MPCA. Since then the following corrective actions have been taken in response to the release:

1. On September 1, 1992, Ceres Environmental was retained to observe and document the removal of one 4000 gallon fuel oil tank from the above referenced site. The steel tank was of unknown age and the cause of the release was due to small holes in the north end of the tank.
2. Ceres field personnel screened and removed approximately 50 cubic yards of petroleum contaminated soil. The soil has been thermally treated by CleanSoils, Inc.
3. Photoionization detector (PID) readings in the base and at the sidewalls of the excavation were between 4.8 and 137 parts per million (ppm). Excavation of contaminated soil was curtailed due to the proximity of buried utilities and building foundations. No soil samples were collected from the excavation. It is inferred that soil at the base of the north end of the excavation has contamination present as high as 137 ppm (PID).
4. On September 15, 1992, four borings were advanced around the perimeter of the excavation to define the extent of the remaining contamination. PID readings taken from the borings were between non-detect and 131 ppm. Soil samples collected from the 9 to 11 foot interval were analyzed for benzene, ethyl benzene, toluene, xylene, and total hydrocarbons as fuel oil. Laboratory analysis indicates all parameters are below action levels.

Mr. Robert McDermott

Page 2

March 18, 1993

5. Ground water was encountered in three of the borings at approximately 8 to 12 feet. It is the opinion of Ceres that this is a result of a permeable lens or possibly perched water. Ceres does not believe this is representative of local ground water. The soil samples collected from the borings referenced above were from the vicinity of the soil/ground water interface.

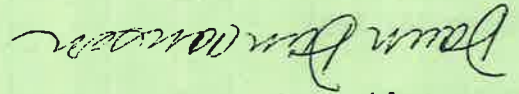
6. The native soils are a dense clayey silt. It is believed that contaminant retardation, primarily from the adsorption of contaminants onto the clay-rich soil will significantly decrease the migration rates of contaminants. Contaminant degradation by natural processes in addition to dilution, dispersion, and volatilization, particularly in the backfill material will decrease volatile organic compounds and total petroleum hydrocarbon concentrations. The remaining soil contamination poses no threat to human health and the environment.

Based on the currently available information, we concur with the conclusions of Ceres Environmental that these actions have adequately addressed the petroleum tank release. Therefore, MPCA staff does not intend to require any more investigation or cleanup work in response to this release. However, the MPCA reserves the right to reopen this file and require additional work if in the future more work is determined to be necessary, and this letter does not release any party from liability for this contamination.

Because you performed the requested work, the state may reimburse you for a major portion of your costs. The Petroleum Tank Release Cleanup Act establishes a fund which in certain circumstances provides partial reimbursement for petroleum tank release cleanup costs. This fund is administered by the Petro Board. More specific eligibility rules are available from the Petro Board (612/297-1119 or 612/297-4203).

Thank you for your cooperation with the MPCA in responding to this petroleum tank release to protect the public health and the environment of the state of Minnesota. If you have any questions regarding this correspondence, please call me at 612/297-8596, TDD 297-5353, Greater Minnesota TDD 1-800-627-3529.

Sincerely,



Dawn Duncanson

Project Manager

Tanks and Spills Section

Hazardous Waste Division

DD:nh

cc: Robin Hanson, Department of Commerce

Steven Sarkozy, City Manager, Roseville

Joel Hewitt, Fire Chief, Roseville

Steve Gattin, Public Works Director, Roseville

Larry Carlson, Ramsey County, Roseville

Lee Holden, Ramsey County, Roseville

Gerard Breen, Ceres Environmental, St. Paul



# Minnesota Pollution Control Agency

Celebrating our 25th anniversary and the 20th anniversary of the Clean Water Act

September 3, 1992

Mr. Bob McDermott  
17862 83rd Avenue North  
Maple Grove, Minnesota 55311

Dear Mr. McDermott:

RE: Petroleum Storage Tank Release Investigation and Corrective Action  
Site: Jerry's New Market, 670 West County Road B, Roseville  
Site ID#: LEAK00005603

The Minnesota Pollution Control Agency (MPCA) has received notification that a release of petroleum has occurred from storage tank facilities which you own and/or operate.

Federal and state laws require that persons legally responsible for storage tank releases notify the MPCA of the release, investigate the extent of the release and take actions needed to ensure that the release is cleaned up. A person is generally considered legally responsible for a tank release if the person owned or operated the tank either during or after the release.

We are aware that an initial investigation of the site has occurred and petroleum contaminated soil and/or ground water has been identified. The MPCA staff is therefore requesting you to take the necessary steps to investigate and clean up the release in accordance with the enclosed MPCA technical documents. If you have not already done so, we recommend that you hire a qualified consulting firm who has experience in conducting petroleum release site investigations and taking corrective actions. The MPCA requires that the site investigation fully define the extent and magnitude of the soil and/or ground water contamination caused by the release. We reserve the right to reject proposed corrective actions if the requirements of the site investigation have not been fulfilled. In addition, you must notify the MPCA within 24 hours if you discover free-floating petroleum product on the surface of the ground water.

If you do perform the requested work, the state may reimburse you for a major portion of your costs. The Petroleum Tank Release Cleanup Act establishes a fund which in certain circumstances provides partial reimbursement for petroleum tank release cleanup costs. This fund is administered by the Petro Board. More specific eligibility rules are available from the Petro Board (612/297-1119 or 612/297-4203).

If you do not respond within 30 days, MPCA staff will assume you do not intend to comply with this request. In this event, the MPCA Commissioner may order you to take corrective action at the site. If you do not comply with the Commissioner's order, it may be enforced in court or, alternatively, the MPCA could spend its own money cleaning up the release and then seek to recover its costs from you or other responsible persons through legal action. Failure to cooperate with the MPCA in a timely manner may also result in reduced reimbursement from the Petro Board.

If you conclude that the release in question is not from any tank which you have owned or operated, please notify the MPCA immediately and explain the basis of your conclusion.

A packet of fact sheets is enclosed for your information.

For site specific questions, contact me, your site's project manager, at 612/297-8586. In addition, all future correspondence should be addressed to me.

Thank you.

Sincerely,

R. J. N. F.

Richard Newquist  
Pollution Control Specialist  
Tanks and Spills Section  
Hazardous Waste Division

RN:mp

Enclosures

cc: Joel Hewitt, Fire Chief, Roseville



DDD

# Minnesota Pollution Control Agency

March 10, 1993

Mr. Robert McDermott  
17862 83rd Avenue North  
Maple Grove, Minnesota 55311

Dear Mr. McDermott:

RE: Contaminated Soil Corrective Action Plan Approval  
Site: Jerrys New Market, Roseville  
Site ID#: LEAK00005603

10-13-92  
↓

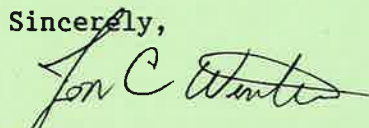
The Minnesota Pollution Control Agency (MPCA) has received the monthly log from the thermal treatment facility that has accepted the petroleum contaminated soil from the above-referenced site. This submittal, along with the "Application to Treat Petroleum Contaminated Soil", if signed by the responsible person and the authorized thermal treatment unit representative, constitutes an acceptable form of a soil corrective action plan and is hereby approved by the MPCA staff.

This approval qualifies you under Minn. Stat. § 115c.09, subd. 2(a)(1) (Supp. 1991) to be eligible for Petrofund reimbursement of eligible cleanup costs incurred up to the date of this letter. Application for reimbursement must be made directly to the Petrofund. The Petro Board makes the final decision on reimbursement. Reimbursement decisions are based on factors such as the adequacy of cleanup, reasonableness of cost, compliance with notification laws and cooperativeness with the MPCA.

Please note that this approval applies only to the process of thermal treatment of the petroleum contaminated soil and does not constitute MPCA staff's approval of the volume of contaminated soil excavated at the above-referenced site.

If you have any questions, please contact me.

Sincerely,

  
for Bob Dullinger, Supervisor  
Cleanup Unit II  
Tanks and Spills Section  
Hazardous Waste Division

BD:jw

TTC

**MINNESOTA POLLUTION CONTROL AGENCY  
TANKS AND SPILLS SECTION  
PETROLEUM TANK RELEASE REPORT**

Report Taken By: SUN Date/Time Occurred: \_\_\_\_\_

Date/Time Reported: 9/1/92 Date/Time Discovered: 9/1/92

LEAK# ~~R#15603~~ PROJECT MANAGER: RHN USTIS # \_\_\_\_\_

**CALLER**  
Name: Den Rose  
Phone: 633 4424  
Relationship to site: Ceres

**SITE**  
Name: Jerrys New Market  
Street: 670 W Co Rd B  
City: Roseville Zip: 55113  
County: Ramsey Region: 1

**TANK OPERATOR**  
Name: \_\_\_\_\_  
Street: \_\_\_\_\_  
City: \_\_\_\_\_ Zip: \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Phone: \_\_\_\_\_

**TANK OWNER**  
Name: Bob McDermott  
Street: 17862 83rd Ave N  
City: Maple Grove St.: MN Zip: 55311  
Contact Person: Bob McDermott  
Phone: home 420-3259

Own tanks/product/property?  
Share in profits?  
Control over inventory, maintenance and tank decisions?  
owns bldg + tanks

SITUATION	Source of Release:	Release Discovery:
Material Released/Amount: <u>F.O.</u>	<u>UST - spill</u>	<u>Tank removal</u>

TANK INFORMATION					
Contents	Size	Age	Removed	Condition	Registered
<u>F.O.</u>	<u>4000?</u>	_____	<u>yes</u>	<u>very good</u>	<u>yes</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

State or Federal Excavation Contractor: Ceres Notification prior to removal: \_\_\_\_\_  
 Consultant: Ceres

**SOIL**  
 Contaminated soil excavated: 50 yards \* restricted site conditions  
 Was it a total excavation: y  
 Vapor readings: 112 ppm  
 Soil samples: \_\_\_\_\_  
 Borings: N \* moving into a RI now  
 Native soil type: Sand mostly Contamination has moved straight down.  
 Stockpiled properly/disposal arranged: \_\_\_\_\_  
 Other: \_\_\_\_\_

**WATER**

Groundwater in excavation:

high water table

Free product present:

UST had tie-down straps  
& concrete pad

Depth to groundwater: 8-9'

water seepage 8-9 feet

City water/wells private/municipal:

Surface water: N

**VAPORS**

Sewers/buildings: N

**SITE INFORMATION**

Description of area:

Previous release(s):

**INSTRUCTION GIVEN**

- Hire consultant
- Submit report
- Staff will call
- Contact staff

**CONTACTS**

- Local Fire/Police
- Local Officials
- Regional Staff
- Other

**CONCLUSIONS AND OTHER RELATED INFORMATION**

Leaksite ID# 5603	Tank Facility ID
JERRY'S NEW MARKET	BOB MCDERMOTT
Site Name	Responsible Party

LEAKSITE REMARKS

- 9/01/92 Release report; Dan Rose, Ceres; to SMM; tank pull/4000 gal FO ust/  
50 cu yds excav./restricted site conditions/moving into RI as  
contamination has moved straight down/112ppm Vapor/sand/gw=8-9'/
- 9/03/92 Standard letter sent.
- 9/16/92 Phone conv. w/Gerard Bren, Ceres; 60 cu yds excav./contaminated  
soil left in place=buildings & utilities/excav. report will be  
sent w/ request for closure.
- 10/15/92 Rec. excavation report.
- 11/09/92 Mike Nelson rec. phone call from Michael Reed, Ramsey County  
Enviro Inspector; Michael spoke w/ citizen who recalls that  
a company (Huberstein? Co.) owned property that are now indiv.  
lots and now leaksites. This company reportably dumped solvent  
and other wastes on property. Michael Reed #292-7894. The prop.  
mentioned was County B and Dale. The dumping was to have occur-  
ed in the 50s and 60s.
- 11/16/92 Rec. phone call from BobM.; Bob questioned the report review  
time in relation to his receiving reimbursement. I told him of  
the backlog and that it could be several months before his  
report is reviewed. I gave him Petrofund #.
- 3/4/93 DD: Rec'd post-burn analysis from Ceres—we did not have any  
documentation re: thermal treatment, yet the app to Petro fund was  
approved.
- 3/10/93 DD: Sent SCAP approval after finding thermal treatment app and  
discussing with J. Winter. \*NOTE: The RP already went to Petro fund  
for reimbursement on thermal treatment in 11/92.
- 3/18/93 DD: Closure letter sent.
- 01/19/96: EMH - File sent to archives.

End of Remarks





NOV 11 '91 16:41

612-639-8813

RECEIVED  
OCT 13 1992

MPCA, HAZARDOUS  
WASTE DIVISION

MINNESOTA POLLUTION CONTROL AGENCY  
APPLICATION TO TREAT PETROLEUM CONTAMINATED SOIL  
May 1991

I. Minnesota Pollution Control Agency site ID Number: LEAK# \_\_\_\_\_

II: MPCA Project Manager: \_\_\_\_\_

III: Source of Soil:

Facility Name: JERRY'S NEW MARKET  
 Street Address: 1070 WEST CON. RD. B  
 City, State, Zip: ROSEVILLE, MN. 55113  
 Contact Name: ROBERT McDERMOTT  
 Telephone: 420-3259

IV: Contamination Details:

Weight of Soil (Tons): 85

Type Petroleum Contamination: Gasoline, diesel fuel,  
No. 2 F.O., waste oil\*

Contamination Concentration (parts per million)

Benzene	<u>.022</u>	_____	_____	_____	_____
Toluene	<u>.86</u>	_____	_____	_____	_____
Ethyl Benzene	<u>2.1</u>	_____	_____	_____	_____
Xylene	<u>6.6</u>	_____	_____	_____	_____
Total Lead	<u>X</u>	_____	_____	_____	_____
TPH as <u>F.O.</u> or Gas	<u>2100</u>	_____	_____	_____	_____

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

\*Note: If the petroleum contamination is waste oil, chromium, cadmium, and PCB analyses will also be necessary.)

V. Thermal Treatment Unit:

Name: CleanSoils Inc.  
 Address: 388 East Richmond Street  
South St. Paul, MN 55075

Plant Number or Model: CleanSoils Thermal Desorber™ CR/C3-1

Contact Name: David Kress Title: Project Manager  
 Office Number: (612) 639-8811 Site Number: (612) 552-0815  
 Air Quality Permit Number: 2307B-90-OT-1

9-17-92  
 Date

David H. Kress  
 Signature of Authorized Thermal  
 Treatment Unit Representative

NOV 11 '91 16:41

-639-8813

P.5

Application to Treat Petroleum Contaminated Soil  
Page 2  
May 1991

VI: Date treatment will be completed:

11-2-92  
(60 DAYS FROM ACCEPTANCE)

VII: Final Disposition of Treated Soil:

Qualified Clean Fill Permit

VIII: Individual Submitting Request:

Company Name:

CERES ENVIRONMENTAL

Address:

2504 W. CO. RD. B

City, State, Zip:

ROSEVILLE, MN. 55113

Contact Name:

DAN ROSE

Telephone:

633-4424

Signature:

Daniel P. Rose

Date:

9/14/92

Mail to: Project Manager  
Minnesota Pollution Control Agency  
Hazardous Waste Division  
Tanks and Spills Section  
520 Lafayette Road  
St. Paul, MN 55155  
Fax No.: (612) 642-0456



5155 East River Road, Suite #416

Fridley, MN. 55421

Tel. (612) 572-0425

Fax (612) 572-0441

## LABORATORY RESULTS

Client: CERFS Contracting  
2504 W. Co. Rd. B  
St. Paul, MN 55113

Report Date: 9/10/92  
Lab P.N.: 1010-18  
Client P.N.: NA

Project: McDermott Enterprises, Inc.  
670 W. Co. Rd. B  
Roseville, MN 55113

Date Sampled: 9/01/92  
Date Analyzed: 9/04/92 & 9/09/92  
Physical State: Soil

Sample I.D. (Description)	Benzene	Toluene	Ethyl-	Xylenes,	TPH,
	mg/kg	mg/kg	benzene	Total	as Fuel Oil
	EPA 8020	EPA 8020	EPA 8020	EPA 8020	Extractable,
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	CA DHS				
SP#1 (Stockpile)	.022	.86	2.1	6.6	3,100
MDL, mg/kg	.0002	.0005	.0002	.0008	0.5

MDL; Method Detection Limit

All values are in mg/kg which is equal to parts-per-million (ppm).

The Laboratory Results are only a part of the Laboratory Report.



5155 East River Road, Suite #416

Fridley, MN. 55421

Tel. (612) 572-0425

Fax (612) 572-0441

## LABORATORY REPORT

Client: CERES Contracting  
2504 W. Co. Rd. B  
St. Paul, MN 55113

Date Sampled: 9/01/92  
Date Received: 9/03/92  
Date Analyzed: 9/04/92 & 9/09/92  
Physical State: Soil

Project: McDermott Enterprises, Inc.  
670 W. Co. Rd. B  
Roseville, MN 55113

Report Date: 9/10/92  
Lab P.N.: 1010-18  
Client P.N.: NA

## Quality Assurance / Quality Control Summary

<u>Parameter (Method)</u>	<u>QC Type</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>Percent Reproducibility</u>	<u>Acceptable Range</u>
Benzene (EPA 8020)	M	105	113-70	104	113-88
Toluene (EPA 8020)	M	102	117-76	101	112-90
Ethylbenzene (EPA 8020)	M	110	122-69	95	111-90
m,p-Xylenes (EPA 8020)	M	108	120-73	98	113-88
o-Xylene (EPA 8020)	M	111	121-70	97	113-88
TPH as Fuel Oil (CA DHS)	M	110	127-70	96	111-91

M = Matrix Spike / Matrix Spike Duplicate

L = Laboratory Control Sample

Reviewed

Approved

Compounds were identified by column retention time and quantified by peak area of known standards using a Hewlett Packard ChemStation Data System. The samples were received by HORIZON LABORATORIES, INC. and accompanied by the Chain-of-Custody record. The Laboratory Report is the sole property of the client to whom it is addressed. The Laboratory Results are only a part of the Laboratory Report.

**CERES****FAX**Date 3 / 4 / 93Number of Pages 3  
(Including cover sheet)TO: DAWN DUNCANSON  
MPCA  
FAX # 297-8676FROM: DAN ROSE  
Ceres Contracting  
2504 West Co. Rd. B  
St. Paul, MN 55113  
(612) 633-4424  
Fax: (612) 633-8307**REMARKS:**

DAWN:

HERE IS THE POST BURN ANALYSIS FOR THE  
McDERMOTT ENTERPRISES PROJECT (LEAK #5003)

PLEASE CALL ME TO CONFIRM THAT YOU  
HAVE RECEIVED THIS FAX. MY PHONE # IS  
633-4424.

THANK YOU.

DAN ROSE

MAR 04 '93 10:13 CLEANSOIL INC.

P.2

The logo for CleanSoils, featuring the word "CleanSoils" in a stylized, bold font with a curved underline.

CleanSoils Inc. 84 2nd Avenue S.E., New Brighton, MN 55112 • (612) 639-8811 • FAX (612) 639-8813

October 1, 1992

Mr. Robert McDermott  
McDermott Enterprises, Inc.  
17862 83rd Avenue North  
Maple Grove, MN 55311

Dear Mr. McDermott:

RE: Final Report on Soil Treatment and Notification of Post-Burn Sampling Results

Site: Jerry's New Market (Roseville, MN)  
MPCA Leak ID#: 5603  
CleanSoils Project #: MN0519

CleanSoils has successfully completed the thermal treatment of petroleum contaminated soil from the above referenced site. The treated soil meets all MPCA requirements. Attached please find a copy of independent post-burn soil analyses for BTEX and TPH. Below is other information regarding the soil treated.

Quantity of Soil: 84.28  
Completion Date: 09/02/92  
Post-Burn Samples: MN0519-1  
Final Disposition of Soil: Qualified Fill Project

If you should have any questions regarding this project, please contact me at (612) 639-8811.

Sincerely,

A handwritten signature in cursive script that reads "Bruce Rivers".

Bruce Rivers  
Account Executive

attachments

cc: File  
Bob Dullinger, MPCA  
Consultant

MAR 04 '93 10:07 CLEANSO] INC.

P.2



# SERCO Laboratories

1631 West County Road C2, St. Paul, Minnesota 55113 Phone (612) 633-7173 FAX (612) 636-7178

LABORATORY ANALYSIS REPORT NO: 23176  
09/21/92

PAGE 1

CleanSoils, Inc.  
84 2nd Ave. S.E.  
New Brighton, MN 55112

DATE COLLECTED: 09/01/92, 09/08/92  
DATE RECEIVED: 09/10/92  
COLLECTED BY : CLIENT  
DELIVERED BY : CLIENT  
SAMPLE TYPE : SOIL

Attn: David Kross

SERCO SAMPLE NO: 84402

SAMPLE DESCRIPTION: MN0519-1

ANALYSIS:  
-----

Benzene, mg/kg	0.17
Toluene, mg/kg	0.060
Ethylbenzene, mg/kg	<0.005
Xylene, mg/kg	0.022
FID Scan, mg/kg, as gasoline	<0.50
FID Scan, mg/kg, as #2 fuel oil	<2.0

SERCO SAMPLE NO:

SAMPLE DESCRIPTION:

ANALYSIS:  
-----

Benzene, mg/kg
Toluene, mg/kg
Ethylbenzene, mg/kg
Xylene, mg/kg
FID Scan, mg/kg, as gasoline
FID Scan, mg/kg, as #2 fuel oil

< means "not detected at this level". 1 mg = 1000 ug.





MINNESOTA POLLUTION CONTROL AGENCY  
COMMISSIONER'S SITE REPORT  
TO THE PETROLEUM TANK RELEASE  
COMPENSATION BOARD

DDD

---

Site: Jerry's New Market

Site ID#: LEAK00005603

Applicant: McDermott Enterprises

Date of Application: November 18, 1992

Date of Underground Storage Tank Registration: August 27, 1992

Date of Tank Installation: Unknown

---

1. Eligibility Determination

I hereby determine that the corrective action described in the application was appropriate in terms of protecting public health, welfare, and the environment and that the applicant is eligible for Petrofund reimbursement, pursuant to Minn. Stat. § 115C.09, subd. 2, items (a) and (c) (Supp. 1991).

2. Compliance with Applicable Requirements: INADEQUATE

Information readily available to the Minnesota Pollution Control Agency (MPCA) staff shows that the applicant has complied with the applicable requirements of Minn. Stat. § 115C.09, subd. 3(f)(Supp. 1991) with the following exceptions:

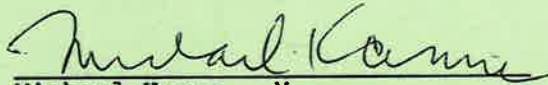
The underground petroleum storage tank(s) was not registered by the June 1, 1986, deadline established by Minn. Stat. § 116.48, subd. 1(a)(1990), and the December 1, 1987, grace period set by the MPCA.

3. Reimbursement Reduction Recommendation:

The MPCA staff recommends a reduction in the amount of reimbursement available to the applicant, under Minn. Stat. § 115C.09, subd. 3(f)(Supp. 1991), based upon the compliance failure(s) noted above.

The determinations in this report are made solely for the purpose of determining eligibility for reimbursement under Minn. Stat. § 115C.09, subds. 2 and 3 (Supp. 1991). Nothing in this site report releases any person from liability, and the MPCA does not waive any of its authority to require additional corrective action at the above-referenced site or to enforce other provisions of state law.

Dated: Feb 28 1993

  
Michael Kanner, Manager  
Tanks and Spills Section  
Hazardous Waste Division

# PETROLEUM TANK RELEASE COMPLIANCE CHECKLIST

SITE NAME Jerry's New Market LEAK0000 5603

## Release Notification

OK  Not OK

MPCA Date release was discovered: 9/1/92 Date release was discovered: 9/1/92  
Date release was reported: 9/1/92 Date release was reported: 9/1/92

Was there additional environmental damage due to the reporting delay?  Yes  No  
Comments: \_\_\_\_\_

## Tank Registration

OK  Not OK

What Federal or State rules apply to the leaking tank?  AST  UST  EXEMPT  
Is the tank registered?  Yes  No AST or USTIS number: 17131

Date registered: 8/27/92 (USTs must be registered before 12/1/87, ASTs before 1/1/91)

Comments: Registered after 12/1/87 - only shortly before removal

## UST Tank Removal

OK  Not OK

Date of Tank Removal: ~~July 18, 1992~~ 9.1.92  
Prior removal notice (applicable after 6/1/89)?  Yes  No  N/A  
Certified contractor (applicable after 7/10/90)?  Yes  No  N/A

Comments: Removal ID 3159 CERT # 146 - Removal notice put in after date of removal

## UST/AST Compliance

OK  Not OK

Date tanks installed: unknown  
Certified UST installer (applicable after 7/9/90)?  Yes  No  N/A  
UST corrosion, spill or overflow protection? Leak detected  Yes  No  N/A  
AST secondary containment?  Yes  No  N/A

Comments: \_\_\_\_\_

## Cooperation or Due Care Issues

OK  Not OK

### LAND APPLICATION

Is this a land application site?  Yes  No  
Was approval given before soil was spread?  Yes  No  
Have soil monitoring results been received?  Yes  No

Other cooperation and/or due care issues: \_\_\_\_\_

Form filled out by: \_\_\_\_\_ Date: \_\_\_\_\_



**PART III TANK FACILITY**

1. Name of "Tank Facility" (see application guide) where the petroleum release occurred:

**Jerry's New Market (currently Jubilee Foods)**

2. Tank Facility address: **670 West County Road B**  
**Roseville, MN 55113**
3. Contact Person at Tank Facility: **Jack Borgestad**  
Phone: **(612) 487-6197**

4. To the best of your knowledge, list all other persons besides the applicant who were owners or operators of the tank during or after the petroleum release:

**Mort J. Huber and B-Dale Properties were both former owners of the property. Since it is unknown when the leak occurred, it is not known whether either was in possession of the property at the time of the leak.**

5. Did any of the persons listed in question 4 incur corrective action costs related to this petroleum release? yes \_\_\_\_\_ no **X** If yes, list name and address if known:

\_\_\_\_\_  
\_\_\_\_\_

6. Date when petroleum release was detected: **09/01/92**

What test was performed to initially establish that a release occurred? **Release was based on OVM readings and subsequent chemical analysis.**

7. Date when petroleum release was reported to the MPCA: **09/01/92**

- 8 a) Which tanks (or associated piping) were the source of the release at this tank facility (see application guide)

**The only tank known to exist at the facility was the 4,000 gallon heating oil tank which was the source of the release.**

- b) What was the cause of the release:

**Many 1/4 inch holes were noted in the lower half of the north end of the tank. These holes were the obvious source of the release which was concentrated at the north end of the tank.**

9. Was this tank(s) used only to store heating oil for consumption use on the premises where stored? (check one) YES [**X**] NO [ ]

**PART IV TANK INFORMATION AND COMPLIANCE**

(Note: If you do not know if tanks are registered and/or prior tank removal notice was given, enter "unk" (unknown) for these items. Please do not contact the MPCA for this information.)

- A. Underground Storage Tanks. Complete the following information to reflect the status of your underground storage tanks at the time the release was discovered. Refer to the attachment "Do Underground Storage Tanks and Piping Requirements Apply to Your Petroleum Tank?" and "What Do You Have To Do?/When Do You Have To Act?" to determine the applicability of registration, leak detection, corrosion protection, and spill/overflow protection.

(Please attach additional sheets if more than five tanks are involved.)

Tank	Petroleum Product	Capacity	Type of Tank	Date Installed	Registered Yes/No/Unk	Date Removed
1	#2 fuel oil	4000 gal	Bare steel	Unknown	Unk	09/01/92
2						
3						
4						
5						

Tanks			Piping			
Tank	Leak Detection (Methods)	Corrosion Protection (Yes/No)	Spill/Overflow Protection (Yes/No)	Type of Piping	Leak Detection (Methods)	Corrosion Protection (Yes/No)
1	None	No	No	Steel	None	No
2						
3						
4						
5						

Tank	Tightness Test Dates	Piping Tightness Test Dates
1	None	None
2		
3		
4		
5		

\* Was 10-day prior tank removal notice given to the MPCA? (YES/NO/UNK) Yes

\* Which MPCA office was notified:

St. Paul          X    
Duluth                 
Brainerd               
Detroit Lakes         
Marshall               
Rochester            

\* If the tank(s) involved in the release was removed after July 9, 1990, complete the following:

Removal Contractor: **Ceres Environmental**

MPCA Contractor (NOT Supervisor) Certification Number: **#0146**

\* If the tank(s) involved in the release was installed after July 9, 1990, complete the following:

Installation Contractor: \_\_\_\_\_

MPCA Contractor (NOT Supervisor) Certification Number: \_\_\_\_\_

**B. Aboveground Storage Tanks.** Complete the following information to reflect the status of the aboveground tanks involved in the release at time the release was discovered. **NOT APPLICABLE**

In describing your secondary containment, specify:

\* materials used to construct both the base and the walls, including type and thickness of materials (e.g., 6" compacted clay, 30 mil HDPE, reinforced concrete slab floor/concrete block walls, none)

\* how material specifications are known (e.g., permeability tests/dates, installation specifications)

\* is the volume of the secondary containment area adequate for the contents of the largest tank (Y/N)

Tank	Contents	Capacity	Date Installed	Registered Yes/No/Unk	Description of Secondary Containment		
					Walls	Base	Verification Vol.

1

2

3

Are there any special circumstances you would like the persons reviewing your application to be aware of?  
Please explain: \_\_\_\_\_

**PART V      ELIGIBLE COSTS**

1. The Eligible Cost Worksheets attached are for INVESTIGATION costs, CLEAN-UP costs, and CONSULTANT costs. These worksheets must be completed listing each corrective action for which you are requesting reimbursement.
2. Invoices submitted with this application cover the period from 09/01/92 to 12/01/92.
3. Are any of the costs listed in the Eligible Cost Worksheets in dispute? yes \_\_\_\_ no X  
(see application guide)
4. At this time, do you anticipate incurring any Ongoing corrective action costs relative to the petroleum release at this Tank Facility? yes \_\_\_\_ no X

If yes, explain briefly what work will be done and an approximate cost of that work.

---

---

- 5a) Please state the total amount of contaminated soil which was excavated at this site (cubic yards or tons): sixty cubic yards
- b) What was the soil contamination concentration (total hydrocarbons) 3,100 ppm?
6. Has the applicant been eligible to recover cleanup costs arising from this petroleum release under any insurance policy at any time since June 4, 1987? yes \_\_\_\_ no X

If yes, provide the following:

Insurance Company	Policy #	Policy Limits	Deductible	Period Covered
-------------------	----------	---------------	------------	----------------

_____	_____	_____	_____	____/____/____
_____	_____	_____	_____	____/____/____

- |   |  |                      |
|---|--|----------------------|
| 7. Total of all eligible costs as listed in the Eligible Costs Worksheets |  | <u>\$ 8,780.84</u>   |
|   |  | X 90%                |
|   |  | = <u>\$ 7,902.76</u> |
| Insurance Reimbursement (Subtract)  |  | - <u>\$(NA)</u>      |
| Total Reimbursement Request (See application guide)                       |  | = <u>\$ 7,902.76</u> |

**PART VI CONTRACTORS AND CONSULTANTS**

1. Complete the following for all contractors, subcontractors, consultants, engineering firms or others who performed corrective actions at this release site (see application guide). **Failure to provide this information for ALL persons who performed corrective action may result in an action to recover any reimbursement which may be paid.** (Attach additional sheets if necessary.)

Name of individual or firm: Ceres Environmental

Mailing address: 2504 West County Road B, St. Paul, MN 55113

Contact person: Gerard E. Breen Phone: (612) 633-4424

Name of individual or firm: Horizon Laboratories, Inc.

Mailing address: 5155 East River Road, Suite 416, Fridley, MN 55421

Contact person: Pat Hanson Phone: (612) 572-0425

Name of individual or firm: Clean Soils, Inc.

Mailing address: 84 2nd Ave S.E., New Brighton, MN 55112

Contact person: Bruce Rivers Phone: (612) 639-8811

Name of individual or firm: Thein Well Company

Mailing address: 8973 13th Avenue East, Shakopee, MN 55379

Contact person: Will Greeley Phone: (612) 445-9380

Name of individual or firm: Metro Paving, Inc.

Mailing address: 14350 Northdale Blvd., Rogers, MN 55374-9610

Contact person: Unknown Phone: (612) 428-4121

2. Describe below any relationship, financial or otherwise, between the applicant and any contractor who performed work at this site.

**There is no known relationship between the applicant and any of the contractors.**



**PART VII CERTIFICATION (see application guide)**

A. "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete."

"I certify that if I have submitted invoices for costs that I have incurred but that remain unpaid, I will pay these invoices within 30 days of receipt of reimbursement from the board. I understand that if I fail to do so, the board may demand return of all or any portion of reimbursement paid to me and that if I fail to comply with the board's demand, that the board may recover the reimbursement, plus administrative and legal expenses in a civil action in district court. I understand that I may also be subject to a civil penalty."

*Robert McDermott*  
Signature of Applicant

**Robert McDermott**

Name (Please Print)

Witnessed by:

*Michael R. Knox*  
Name Notary Public

Subscribed and sworn to before me

this 18th day of November, 1992.

Date

11/18/92

**November 18, 1992**

Date

Every applicant must sign Part A. above. If applicant is a corporation or partnership, the following certification must also be made:

"I further certify that I am authorized to sign and submit this application on behalf of

**McDermott Enterprises II, Inc.**

*Robert McDermott*  
Signature

**President**

Title (See Application Guide, Part VI)



**Robert McDermott**

Name (Please Print)

**November 18, 1992**

Date

Please send this application and accompanying documents to:

**Petroleum Tank Release Compensation Board  
Minnesota Department of Commerce  
133 East Seventh Street  
St. Paul, MN 55101  
(612) 297-4017**

**WORKSHEETS**

**PART V ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP**

- \* Descriptions must be specific as to work performed.
- \* Invoices must be submitted for each cost listed below.
- \* Invoices must contain sufficient detail to verify costs and services entered below.
- \* Duplicate this form if additional worksheets are needed.

**A. SOIL BORINGS/MONITORING WELLS - ETC.**

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Subtotal
Soil borings	Thein Well Co.	09/22/92	1.0	979.00	979.00
Boring supervision (Geol.)	Ceres Environmental	10/12/92	7.0	55.00	385.00
Project management	Ceres Environmental	10/12/92	3.0	60.00	180.00
<b>TOTAL \$ 1,544.00</b>					

**B. LABORATORY TESTS AND ANALYSES**

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Subtotal
Soil sample (stockpile)	Horizon Labs	09/15/92	1.0	105.00	105.00
Soil samples (soil borings)	Horizon Labs	09/24/92	4.0	105.00	420.00
Sample management	Ceres Environmental	10/12/92	5.0	25.00	125.00
Sample handling	Ceres Environmental	10/12/92	5.0	5.00	25.00
Project management	Ceres Environmental	10/12/92	1.0	60.00	60.00
<b>TOTAL \$ 735.00</b>					

**PART V ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP**

- \* Descriptions must be specific as to work performed.
- \* Invoices must be submitted for each cost listed below.
- \* Invoices must contain sufficient detail to verify costs and services entered below
- \* Duplicate this form if additional worksheets are needed.

**C. EXCAVATION**

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Subtotal
Excavate contaminated soil	Ceres Environmental	10/12/92	60 cu yds	8.00	480.00
Load contaminated soil	Ceres Environmental	10/12/92	60 cu yds	4.50	270.00
<b>TOTAL \$ 750.00</b>					

**D. SOIL DISPOSAL**

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Subtotal
Soil disposal application	Ceres Environmental	10/12/92	1.00	60.00	60.00
Thermal treatment	Clean Soils, Inc.	10/17/92	60.00	39.66	2,379.84
<b>TOTAL \$ 2,439.84</b>					

**PART V ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP**

- \* Description must be specific as to work performed.
- \* Invoices must be submitted for each cost listed below.
- \* Invoices must contain sufficient detail to verify costs and services entered below.
- \* Duplicate this form if additional worksheets are needed.

**E. WATER TREATMENT**

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Subtotal
Not Applicable					

**TOTAL**

**PART V ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP**

- \* Descriptions must be specific as to work performed.
- \* Invoices must be submitted for each cost listed below.
- \* Invoices must contain sufficient detail to verify costs and services entered below.
- \* Duplicate this form if additional worksheets are needed.

**F. TRUCKING**

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Subtotal
Contaminated soil hauling	Ceres Environmental	10/12/92	60 cu yds	4.50	270.00
					<b>TOTAL \$ 270.00</b>

**G. EMERGENCY and TEMPORARY HAZARD CONTROL**

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Subtotal
Not Applicable					
					<b>TOTAL</b>

**PART V ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP**

- \* Descriptions must be specific as to work performed.
- \* Invoices must be submitted for each cost listed below.
- \* Invoices must contain sufficient detail to verify costs and services entered below.
- \* Duplicate this form if additional worksheets are needed.

**H. SITE RESTORATION and CLOSURE**

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Subtotal
Replacement fill	Ceres Environmental	10/12/92	60 cu yds	2.25	135.00
Compactor	Ceres Environmental	10/12/92	1.0	115.00	115.00
Asphalt replacement	Metro Paving	09/08/92	65 sq yds	14.50	942.50
<b>TOTAL \$ 1,192.00</b>					

**I. OTHER CLEAN-UP or INVESTIGATION COSTS**

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Subtotal
Photo ionization detector	Ceres Environmental	10/12/92	1.0	100.00	100.00
<b>TOTAL \$ 100.00</b>					

**PART V ELIGIBLE COST WORKSHEET - CONSULTANT SERVICES**

- \* Description must be specific as to work performed.
- \* Invoices must be submitted for each cost listed below.
- \* Invoices must contain sufficient detail to verify costs and services entered below.
- \* Duplicate this form if additional sheets are needed.

**J. REPORT PREPARATION; DATA COLLECTION; OPERATION; OVERSIGHT AND MAINTENANCE; SYSTEM MONITORING; CORRESPONDENCE; MILEAGE; POSTAGE; PER DIEM**

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Subtotal
<u>Contaminated Soil Remediation</u>					
Oversite: contaminated soil					
screening/sampling/remediation	Ceres Environmental	10/12/92	10.0	40.00	400.00
Project management	Ceres Environmental	10/12/92	2.0	60.00	120.00
<u>Excavation Report Preparation</u>					
Soil boring log preparation	Ceres Environmental	10/12/92	2.0	55.00	110.00
Report writing/data tabulation	Ceres Environmental	10/12/92	12.0	50.00	600.00
Figure preparation	Ceres Environmental	10/12/92	5.0	40.00	200.00
Project management	Ceres Environmental	10/12/92	2.0	60.00	120.00
<u>Petrofund Reimbursement</u>					
<u>Application</u>	Ceres Environmental	10/13/92	4.0	50.00	200.00
					<b>TOTAL \$ 1,750.00</b>

**EXCAVATION REPORT FOR PETROLEUM RELEASE SITES**

Minnesota Pollution Control Agency  
Tanks and Spills Section  
May 1991

**RECEIVED**  
OCT 15 1992  
MPCA, HAZARDOUS  
WASTE DIVISION

The information below should be completed and submitted to the Minnesota Pollution Control Agency (MPCA) Tanks and Spills Section to document excavation and treatment of petroleum contaminated soil. Excavations must be done in accordance with the MPCA document "Excavation of Petroleum Contaminated Soil" (May 1991). Preliminary site investigation reports (if conducted) should be included with this report.

Additional pages may be attached. Please type or print clearly.

**I. BACKGROUND**

- A. Site:** Jerry's New Market  
**Street:** 670 West County Road B  
**City, Zip:** Roseville, MN 55113  
**County:** Ramsey  
**MPCA Site ID#:** Leak # 5603
- B. Tank Owner/Operator:** McDermott Enterprises  
**Mailing Address:**  
**Street/Box:** 17862 83rd Avenue North  
**City, Zip:** Maple Grove, MN 55311  
**Telephone:** (612) 420-3259
- C. Excavating Contractor:** Ceres Contracting  
**Contact:** Daniel P. Rose  
**Telephone:** (612) 633-4424  
**Tank Contractor Certification Number:** #0146
- D. Consultant:** Ceres Environmental  
**Contact:** Gerard E. Breen  
**Street/Box:** 2504 West County Road B  
**City/Zip:** St. Paul, MN 55113  
**Telephone:** (612) 633-4424
- E. Others on-site during site work (e.g. fire marshall, local officials, MPCA staff, etc.):**  
John Loftus - City of Roseville Fire Inspector

**NOTE: If person other than tank owner and/or operator is conducting the cleanup, provide name, address, and relationship to site on a separate attached sheet. Not Applicable**

**II. DATES**

- A. Date release was reported to MPCA:** September 1, 1992
- B. Date site work was performed:**

<u>Work Performed</u>	<u>Date</u>
Tank removal and fuel-impacted soil excavation	9/01/92
Soil borings conducted to determine extent of contamination	9/15/92



### III. RELEASE INFORMATION

A. Provide the following information for all tanks which have been removed.

Tank 1: Capacity: 4000 gal. Type: Bare steel Age: Unknown

Condition: The tank had several 1/4 inch diameter size holes in the north end of the tank. Product had obviously leaked from these holes which were all located in the lower half of the tank.

Product History: Fuel Oil

Approximate quantity of petroleum released, if known: Unknown

Cause of release: The leakage occurred from several small holes noted in the north end of the tank.

Tank 2: Capacity: Type: Age:

Condition:

Product History:

Approximate quantity of petroleum released, if known:

Cause of release:

B. Provide the following information for all existing tanks.

<u>Tank No.</u>	<u>Capacity</u>	<u>Contents</u>	<u>Type</u>	<u>Age</u>
There are no known tanks remaining at this facility.				

C. If the release was associated with the lines or dispensers, briefly describe the problem: Headspace sample analyses indicated fuel-impacted soils throughout the majority of the tank excavation. The source of the fuel was from the holes in the north end of the tank.

D. If the release was a surface spill, briefly describe the problem: Unknown contribution from surface spills.

### IV. EXCAVATION

- A. Dimensions of excavation: Approximate max. length = 32'; max. width = 12'; max. depth = 8'
- B. Original tank backfill material (sand, gravel, etc.): Sandy fill,
- C. Native soil type (clay, sand, etc.): Predominantly dense clayey silt.
- D. Quantity of contaminated soil removed (cubic yards): Approximately 50 cubic yards.
- E. Was ground water encountered or was there evidence of a seasonally high ground water table? Permeable lenses and/or perched water allowed some seepage into the excavation and some soil borings. Site is a former wetland area as evidenced by peat layer above silt and area topography.

- F. If a soil boring was necessary (as indicated in part VI of "Excavation of Petroleum Contaminated Soil" for sand and silty sand native soils) describe the soil analytical and soil vapor headspace results. Attach the boring logs and laboratory results to this report. Soil borings were conducted around the perimeter of the tank excavation to determine the extent and relevant concentrations of the residual fuel-impacted soils remaining onsite. Results from headspace screening indicated that the native soils below and lateral to the excavation were not effected by the released fuel oil. Specifically, borings SB-1 and SB-4 were located at either end of the tank excavation with the soil sample from each boring collected below the excavation in the native soils (Figure 3). Analytical results for TPH as fuel oil were non-detect at these locations. Analytical results for BETX compounds were below action levels for all compounds. Samples results at boring locations SB-2 and SB-3, which were located lateral to the northern end of the tank excavation, were below action levels for all compounds. Therefore, it appears that native soils were not impacted by the release of fuel oil in the tank excavation. The excavation soils headspace results are indicative of residual fuel-impacted excavation backfill that could not be removed without posing a potential threat to building foundation structural integrity and/or due to utility locations. The headspace and analytical results from the soils borings indicate the contamination did not disperse beyond the limits of the backfill materials into the native soils. See attached soil boring logs (includes headspace data) for site geology (Appendix A) and laboratory reports for soil analytical results (Appendix B). Stockpiled soil sample analytical results are also include in Appendix B.
- G. If ground water was encountered or if a soil boring was conducted, was there evidence of ground water contamination? Specify, e.g., free product (specify thickness), product sheen, ground water in contact with petroleum contaminated soil, water analytical results, etc. There was no indication that groundwater has been fuel-impacted at this site. The water that was noted in the soil borings was not in contact with fuel-impacted soils and no sheen or odors were observed.
- H. Was bedrock encountered in the excavation? At what depth? Bedrock was not encountered either in the excavation or at boring locations.
- I. Were there other unique conditions associated with this site? Location of buried utilities and proximity of the foundation of nearby buildings limited the amount of fuel-impacted soils that could be removed from the excavation.

*water sample? soil interface?*  
*Water in B-4? level?*

V. SAMPLING

- A. Briefly describe the field methods (including use of a photoionization detector) used to distinguish contaminated from uncontaminated soil:  
 As the excavation proceeded, buckets of soil were tested with the use of a PID meter. The PID meter was employed for intensive field headspace screening of the extracted soils. The PID included a 10.2 eV lamp and was calibrated with isobutylene gas. Clean soils and contaminated soils were separated into two separate piles.
- B. List soil vapor headspace analysis results. Indicate sampling locations using sample codes (with sampling depths in parentheses), e.g. SV-1 (2 feet), SV-2 (10 feet), etc. Samples that were taken at different depths at the same location should be labeled SV-1A (2 feet), SV-1B (4 feet), etc. These should correspond with the codes on the site map in part VI. If the sample represents soil from the final extent of the excavation, indicate "bottom" or "sidewall" in the bottom/sidewall column.  
 Please see attached soil vapor headspace data table (Table 1) for excavation soil headspace results. See boring logs (Appendix A) for soil boring sample headspace results.

**C. Briefly describe the soil sampling and handling procedures used:**

Soil samples from the excavation were grab samples taken from freshly exposed soil. Disposable gloves were used for each sample to prevent cross contamination during collection procedures. These samples were collected for headspace screening. No samples were collected from the excavation for laboratory analysis due to the need for further investigation employing soil borings.

The boring soil samples were collected with split-spoon samplers which were advanced through hollow-stem augers. Split spoons samplers were washed and rinsed between each use. Sampling procedures identical to those employed for headspace sample collection were used for preparation of the boring soil samples (i.e. disposable gloves, no headspace, and packaged with ice).

**D. List the appropriate soil sample analytical results from the bottom and sidewalls of the excavation below (refer to the MPCA document "Soil and Ground Water Analysis at Petroleum Release Sites"). If the petroleum was not gasoline or fuel oil, attach a separate table. Code the samples (with sampling depths in parentheses) SS-1 (8 feet), SS-2 (4 feet), etc. These should correspond with the codes on the site map in part VI. Do not include analyses from the stockpiled soils.**

*What?*

No excavation soil samples were collected for laboratory analysis due to the persistently high headspace readings from the excavation sidewalls and base. A stockpiled soil sample was collected and is representative of the compound concentrations found in the excavation backfill soils. Soil borings were conducted around the perimeter of the excavation to determine the extent and severity of the fuel release in the surrounding native soils. The analytical results for the boring soil samples are provided below.

*2 below tank according to guidance*  
*Due to constraints have to do borings sufficient*

Sample code	Benzene ppm	Ethyl-benzene ppm	Toluene ppm	Xylene ppm	MTBE ppm	Lead ppm	TPH as gas ppm	TPH as FO ppm
SB1-B	ND	0.0017	<0.0005	<0.0008	NA	NA	NA	ND
SB2-B	ND	ND	<0.0005	<0.0008	NA	NA	NA	ND
SB3-B	0.0002	ND	ND	<0.0008	NA	NA	NA	ND
SB4-B	ND	ND	ND	<0.0008	NA	NA	NA	ND

**NOTE: Copies of laboratory results and chain of custody forms are included in Appendix B. Also included in Appendix B are the analytical results for the stockpile soil sample.**

ND = Not detected above method detection limits.  
NA = Not analyzed for this compound/analyte.

## VI. FIGURES

**Attach the following figures to this report:**

1. Site location map. See **Figure 1**
2. Site map(s) drawn to scale illustrating the following: See **Figures 2 and 3.**
  - a. location (or former location) of all present and former tanks, lines, and dispensers;
  - b. location of other structures (buildings, canopies, etc.);
  - c. adjacent city, townships, or county roadways;
  - d. final extent of excavation;
  - e. location of soil vapor analyses (e.g. SV-1), soil samples (e.g. SS-1), and soil borings (e.g. SB-1). Also, attach all boring logs; See **Appendix A.**
  - f. north arrow and map legend.

## VII. SUMMARY

**Briefly summarize evidence indicating whether or not additional investigation is necessary at the site, as discussed in part VI of the MPCA document "Excavation of Petroleum Contaminated Soil".**

Headspace readings from excavation soil samples indicated significant residual fuel impact in the sidewalls and base after 60 cubic yards of soil was removed. No additional soil was removed from the excavation due to the proximity of buried utilities and building foundations. Soil borings were conducted around the perimeter of the excavation to determine the extent and severity of fuel impact to the native soils surrounding the excavation backfill. Headspace and laboratory analytical results indicate that no action levels were exceeded at any of the boring location in the native soil below and/or lateral to the tank excavation. The logging of the subsurface geology indicated that the native soils surrounding the excavation backfill is predominantly a dense clayey silt. Therefore, because 1) the native soils are not impacted by the release of fuel at the site, 2) the site geology is likely to severely limit the transport of released compounds through the soil matrix, and 3) groundwater was not effected as indicated in the excavation and in soil borings, it is our conclusion that no further remedial investigation work is required at the site.

## VIII. SOIL TREATMENT INFORMATION

- A. **Soil treatment method used (thermal, land application, other). If you choose "other", specify treatment method:** The soil treatment method was thermal desorbtion..
- B. **Location of treatment site/facility:** Clean Soils, Inc., 398 Richmond St., South St. Paul, MN
- C. **Date MPCA approved soil treatment (if thermal treatment was used after May 1,1991, indicate the date that the MPCA permitted thermal treatment facility agreed to accept the soil.** Thermal treatment conducted 09/02/92.

**IX. CONSULTANT (OR OTHER) PREPARING THIS REPORT**

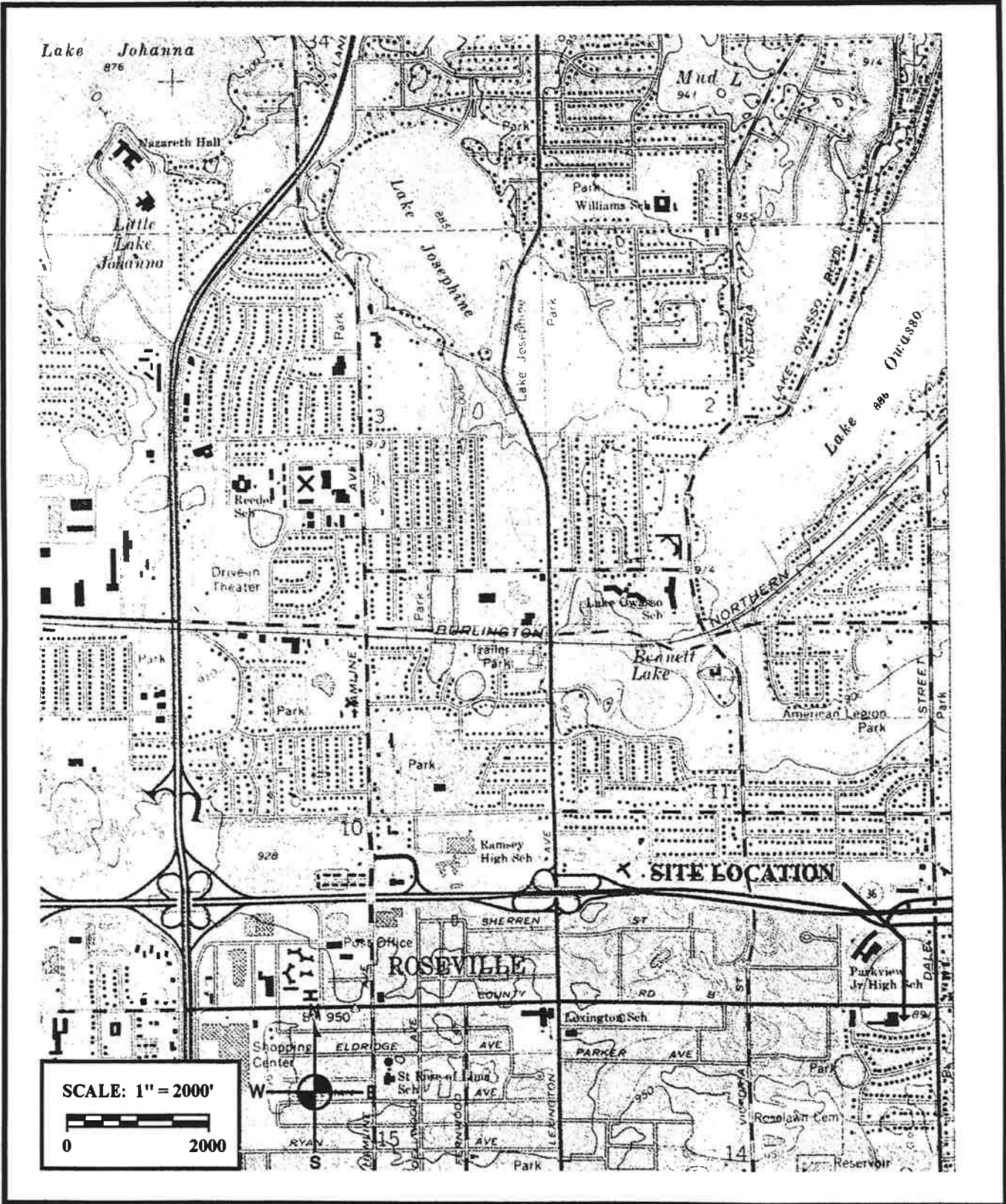
Company Name	Ceres Environmental
Street/box:	2504 West Co. Rd. B
City, State:	St. Paul, MN
Telephone:	(612) 633-4424
Contact:	Gerard E. Breen

Signature: Gerard E. Breen Date: 10/8/92

If additional investigation is not required at the site, please mail this form and all necessary attachments to:

Richard Newquist  
Minnesota Pollution Control Agency  
Hazardous Waste Division  
Tanks and Spills Section  
520 Lafayette Road  
St. Paul, MN 55155

If additional investigation is required at the site, this form should be included as a section in the Remedial Investigation/Corrective Action Design report. Excavation reports which indicate that a remedial investigation (RI) is necessary will not be reviewed by MPCA staff until the RI has been completed (if required).



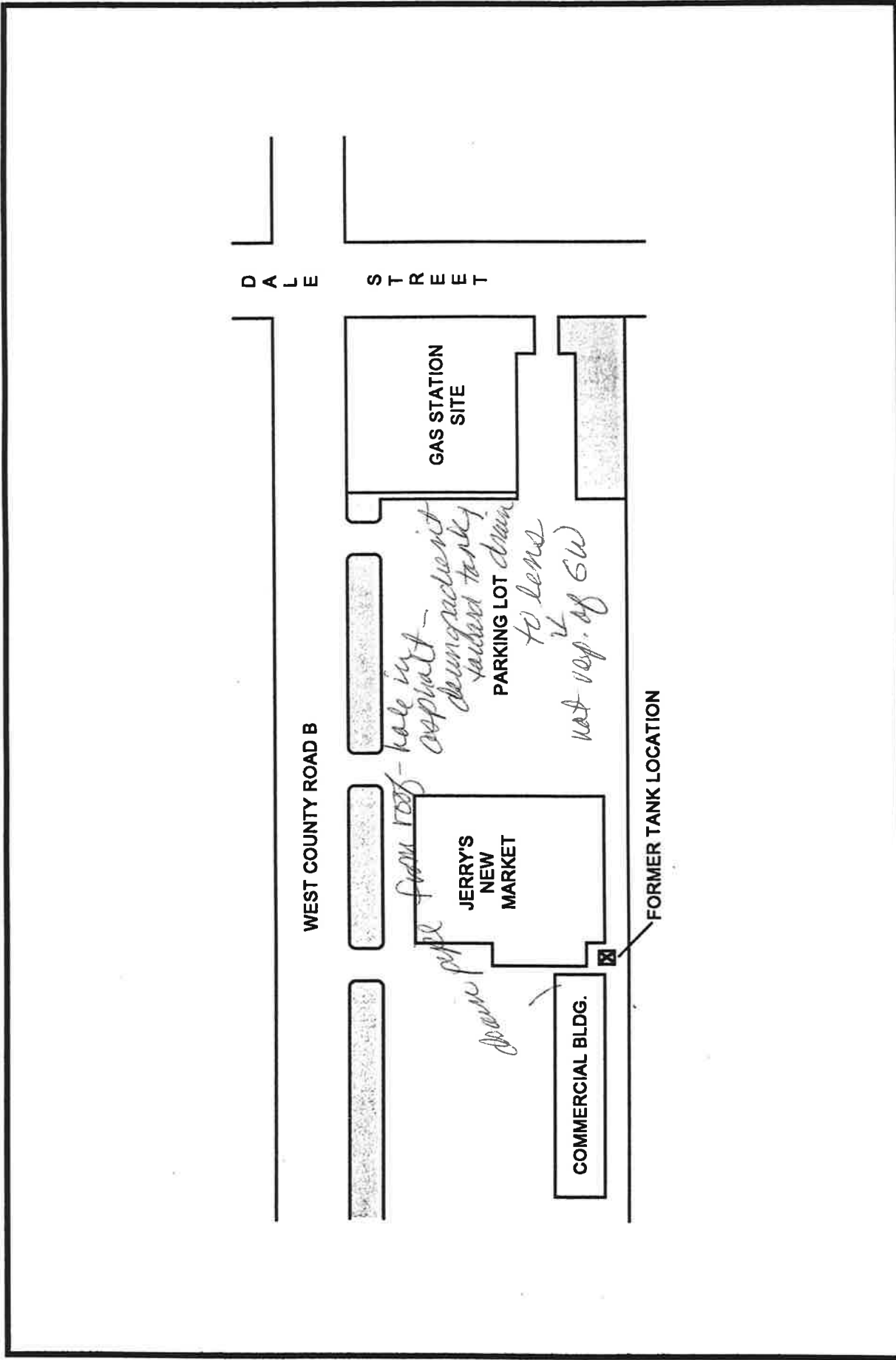
SCALE: 1" = 2000'

0 2000

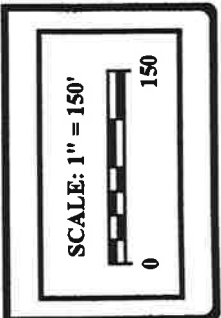
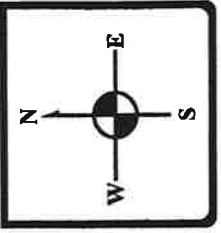


SITE LOCATION:  
 JERRY'S NEW MARKET  
 670 W. COUNTY ROAD B  
 ROSEVILLE, MN 55113

**FIGURE 1:**  
 GENERAL SITE MAP

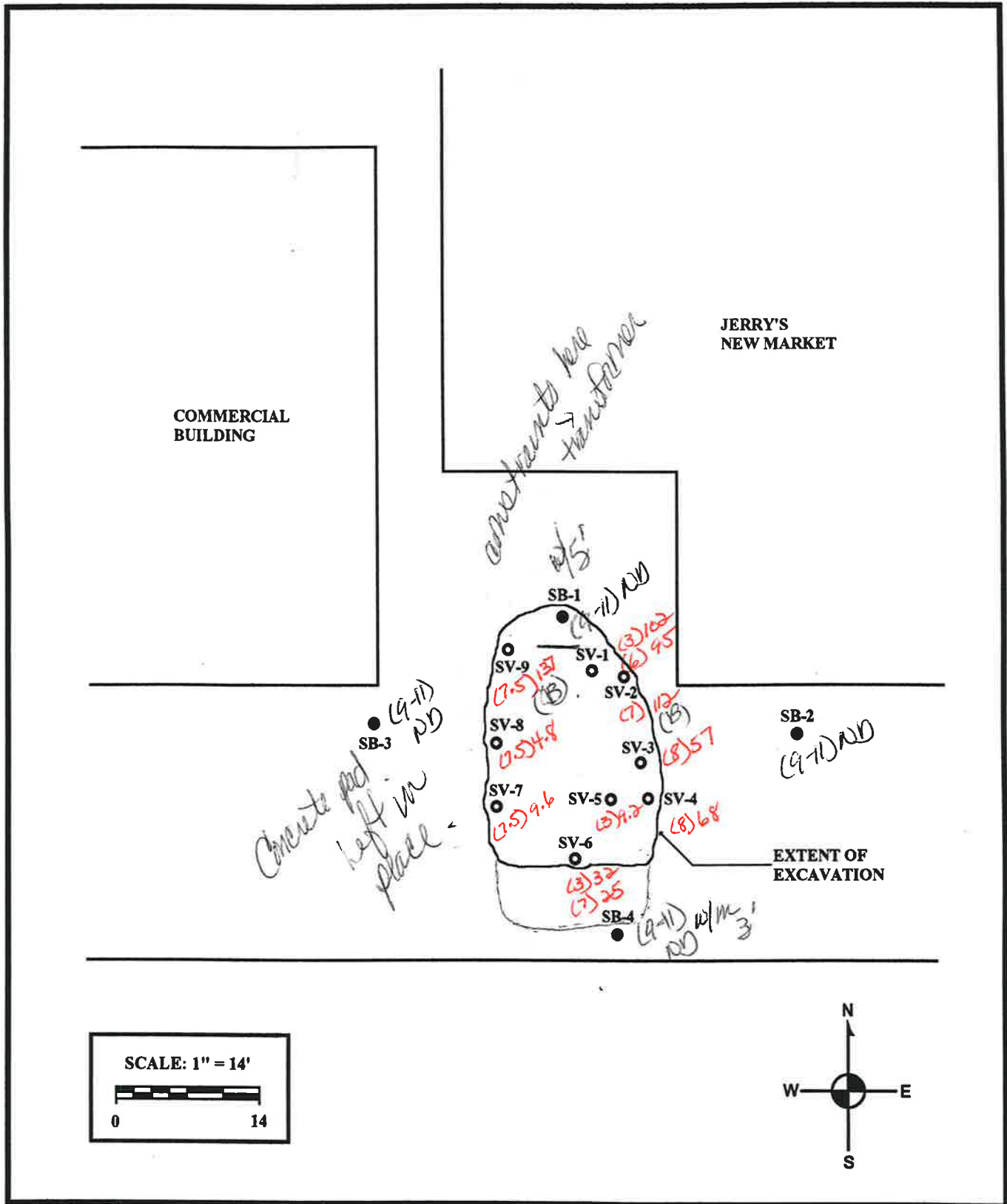


**FIGURE 2:**  
GENERAL SITE MAP



**SITE LOCATION:**  
**JERRY'S NEW MARKET**  
**670 WEST COUNTY ROAD B**  
**ROSEVILLE, MN 55113**





**SITE LOCATION:**  
 JERRY'S NEW MARKET  
 670 WEST COUNTY ROAD B  
 ROSEVILLE, MN 55113

**FIGURE 3:**  
 SOIL VAPOR HEADSPACE  
 LOCATIONS AND SOIL  
 BORING LOCATIONS



**TABLE 1: SOIL VAPOR HEAD SPACE READINGS**

<b>Location</b>	<b>Depth (feet)</b>	<b>Reading (ppm)</b>	<b>Soil Type</b>	<b>Bottom/ Sidewall</b>
SV-1A	3	102	sand	sidewall
SV-1B	6	95	sand	sidewall
SV-2A	7	112	sand	bottom
SV-3A	8	57	sand	bottom
SV-4A	8	68	sand	bottom
SV-5A	3	9.2	sand	
SV-6A	3	32	sand	sidewall
SV-6B	7	25	sand	bottom
SV-7A	7.5	9.6	silty sand	bottom
SV-8A	7.5	4.8	silty sand	bottom
SV-9A	7.5	137	silty sand	bottom

**TABLE 2: SUMMARY OF SOIL ANALYTICAL RESULTS****Soil Boring Analytical Results**

Sample Code	Sample Depth (ft)	MtBE mg/kg	Benzene mg/kg	Toluene mg/kg	Ethyl-Benzene mg/kg	Total Xylenes mg/kg	TPH as Gasoline mg/kg	TPH as Fuel Oil mg/kg	Lead mg/kg
SB1-B	9-11	NA	ND	<.0005	0.0017	<.0008	NA	ND	NA
SB2-B	9-11	NA	ND	<.0005	ND	<.0008	NA	ND	NA
SB3-B	9-11	NA	0.0002	ND	ND	<.0008	NA	ND	NA
SB4-B	9-11	NA	ND	ND	ND	<.0008	NA	ND	NA

ND = Not detected above method detection limit.

NA = Not analyzed for this compound.

**Stock Pile Analytical Results**

Sample Code	MtBE mg/kg	Benzene mg/kg	Toluene mg/kg	Ethyl-Benzene mg/kg	Total Xylenes mg/kg	TPH as Fuel Oil mg/kg	Lead mg/kg
SP-1	NA	0.022	0.86	2.1	6.6	3100	NA

**APPENDIX A:**

**SOIL BORING LOGS**



BORING/WELL NO. SB-1		PROJECT NO.		LOCATION of BORING					
PROJECT NAME Jerry's New Market									
PROJECT LOCATION County Rd. B & Dale St.									
DRILLING CO. Thein Well Co. - Nathan Herrboldt									
DRILLING EQUIP. Mobile Drill B-47		START DATE 9-15-92							
DRILLING METHOD HSA w/Split Spoon		TIME (hrs) 8:20							
BOREHOLE DIAM. 0.7 feet		FINISH DATE 9-15-92							
G.S.ELEVATION -		TIME (hrs) 9:00							
TOP of CASING ELEVATION -		STICKUP							
CASING DIA/MTL/LENGTH -									
SCREEN INTERVAL/MTL/SLOT SIZE -									
DEVELOPMENT METHODS -									
LOGGED BY Gerard Breen									
WATER LEVEL 12		From		SURFACE CONDITIONS Asphalt					
DATE 9-15-92		Lens							
TIME (hrs) 9:00		Drainage							
DEPTH (FT)	DESCRIPTION AND REMARKS	PID OR FID READINGS		SOIL OR WELL GRAPH	NUMBER	RECOVERY	METHOD	MOISTURE	BLOW COUNT
		Scan	Headspace						
0-4'	Sandy clay fill				-	-	AU	M	-
2									
4									
4-9'	Silty sand with high petroleum odor		130.8		A	-	AU	W	-
6									
8									
9-11'	0.3' black organic peat soil no odors	0	0*		B	1.4	SS	M	11
	0.6' Black dense silt w/T. Sand								
11	0.5' olive dense silt w/T. sand and organics	0	0		C	1.7	SS	W	14
	11-13 1.3' Olive Sandy silt								
	0.4' Wet Olive Silty Sand								
	End of boring at 13'. No indication of contamination in native soils below base of excavation at approx. 9.0 feet								
	* Laboratory Soil Sample								

BORING/WELL NO.

SB-1



BORING/WELL NO. SB-2		PROJECT NO.		LOCATION of BORING	
PROJECT NAME Jerry's New Market					
PROJECT LOCATION County Road B & Dale St.					
DRILLING CO. Thein Well Co. - Nathan Herrboldt					
DRILLING EQUIP. Mobile Drill B-47		START DATE 9-15-92			
DRILLING METHOD HSA w/Split Spoo		TIME (hrs) 9:10			
BOREHOLE DIAM. 0.7 feet		FINISH DATE 9-15-92			
G.S.ELEVATION -		TIME (hrs) 9:35			
TOP of CASING ELEVATION -		STICKUP			
CASING DIA/MTL/LENGTH -					
SCREEN INTERVAL/MTL/SLOT SIZE -					
DEVELOPMENT METHODS -					
LOGGED BY Gerard Breen					
WATER LEVEL 8 Feet		From		SURFACE CONDITIONS Asphalt	
DATE 9-15-92		Lens			
TIME (hrs) 9:35		Drainage			

DEPTH (FT)	DESCRIPTION AND REMARKS	PID OR FID READINGS		SOIL OR WELL GRAPH	NUMBER	RECOVERY	METHOD	MOISTURE	BLOW COUNT
		Scan	Headspace						
2	1-4' Clean Granular Fill		0		A	-	AU	M	-
4									
6	5-9' Gray Fine-Med. Sand Black Peat Soil at 9 Feet		0		-	-	AU	W	-
8									
10	9-11' 0.3' Black Peat Soil 0.5 Dense Organic Silt 0.5 Black/Olive Transitional Dense Organic Silt 0.4 Olive Silt w/ Trace Organics, No odors		0*		B	1.7	SS	M	10
	End of Boring at 11.0 Feet No indication of Contamination in this boring								
	* Laboratory Sample								



BORING/WELL NO. SB-3		PROJECT NO.		LOCATION of BORING	
PROJECT NAME Jerry's New Market					
PROJECT LOCATION County Road B & Dale St.					
DRILLING CO. Thein Well Co. - Nathan Herrboldt					
DRILLING EQUIP. Mobile Drill B-47		START DATE 9-15-92			
DRILLING METHOD HSA w/Split Spoon		TIME (hrs) 9:45			
BOREHOLE DIAM. 0.7 feet		FINISH DATE 9-15-92			
G.S.ELEVATION -		TIME (hrs) 10:10			
TOP of CASING ELEVATION -		STICKUP			
CASING DIA/MTL/LENGTH -					
SCREEN INTERVAL/MTL/SLOT SIZE -					
DEVELOPMENT METHODS -					
LOGGED BY Gerard Breen					
WATER LEVEL	10 Feet			SURFACE CONDITIONS Asphalt	
DATE	9-15-92				
TIME (hrs)	10:10				

DEPTH (FT)	DESCRIPTION AND REMARKS	PID OR FID READINGS		SOIL OR WELL GRAPH	NUMBER	RECOVERY	METHOD	MOISTURE	BLOW COUNT
		Scan	Headspace						
2	Granular Fill to 4 Feet		0		-	-	AU	M	-
4									
	4-9' Fine-Med Brown Sand		0		A	-	AU	M	-
6									
8									
10	9-11' 0.4' Black Organic Silt 0.9' Olive Silty Sand 0.1' Olive Dense Sandy Silt		0*		B	1.4	SS	W S	10
	End of Boring at 11 Feet								
	No indication of contamination in this boring								
	*Laboratory Soil Sample								



BORING/WELL NO. SB-4		PROJECT NO.		LOCATION of BORING						
PROJECT NAME Jerry's New Market										
PROJECT LOCATION County Road B & Dale St.										
DRILLING CO. Thein Well Co. - Nathan Herrboldt										
DRILLING EQUIP. Mobile Drill B-47		START DATE 9-15-92								
DRILLING METHOD HSA w/Split Spool		TIME (hrs) 10:20								
BOREHOLE DIAM. 0.7 feet		FINISH DATE 9-15-92								
G.S.ELEVATION -		TIME (hrs) 10:45								
TOP of CASING ELEVATION -		STICKUP								
CASING DIA/MTL/LENGTH -										
SCREEN INTERVAL/MTL/SLOT SIZE -										
DEVELOPMENT METHODS -										
LOGGED BY Gerard Breen										
WATER LEVEL				SURFACE CONDITIONS Asphalt						
DATE										
TIME (hrs)										
DEPTH (FT)	DESCRIPTION AND REMARKS	PID OR FID READINGS		SOIL OR WELL GRAPH	NUMBER	RECOVERY	METHOD	MOISTURE	BLOW COUNT	
		Scan	Headspace							
2	0-9' Fill Over Black Silty Organic Soil		0		A	-	AJ	M	-	
4										
6										
8										
10	9-11' Peat Soil at 9.0'		0*		B	2.0	SS	M	14	
	0.5' Olive Silty Sand							W		
	1.0' Olive Dense Organic Silt w/trace sand							M		
	0.5' Olive Medium Sand							W		
	*Laboratory Soil Sample									

**APPENDIX B:**

**LABORATORY**  
**ANALYTICAL DATA**  
**AND REPORTS**



**LABORATORY RESULTS**

**Client:** CERES Contracting  
 2504 W. Co. Rd. B  
 St. Paul, MN 55113

**Report Date:** 9/10/92  
**Lab P.N.:** 1010-18  
**Client P.N.:** NA

**Project:** McDermott Enterprises, Inc.  
 670 W. Co. Rd. B  
 Roseville, MN 55113

**Date Sampled:** 9/01/92  
**Date Analyzed:** 9/04/92 & 9/09/92  
**Physical State:** Soil

<u>Sample I.D. (Description)</u>	<u>Benzene</u> mg/kg <u>EPA 8020</u>	<u>Toluene</u> mg/kg <u>EPA 8020</u>	<u>Ethyl- benzene</u> mg/kg <u>EPA 8020</u>	<u>Xylenes, Total</u> mg/kg <u>EPA 8020</u>	<u>TPH, as Fuel Oil Extractable,</u> mg/kg <u>CA DHS</u>
SP#1 (Stockpile)	.022	.86	2.1	6.6	3,100
MDL, mg/kg	.0002	.0005	.0002	.0008	0.5

MDL: Method Detection Limit

All values are in mg/kg which is equal to parts-per-million (ppm).

The Laboratory Results are only a part of the Laboratory Report.

# LABORATORY RESULTS

Client: CERES Contracting  
2504 W. Co. Rd. B  
St. Paul, MN 55113

# DRAFT

Report Date: 9/20/92  
Lab P.N.: 1010-18.2  
Client P.N.: NA

Project: Jerry's New Market  
670 W. Co. Rd. B  
Roseville, MN 55113

Date Sampled: 9/15/92  
Date Analyzed: 9/18/92  
Physical State: Soil

<u>Sample I.D. (Description)</u>	<u>Benzene</u> mg/kg <u>EPA 8020</u>	<u>Toluene</u> mg/kg <u>EPA 8020</u>	<u>Ethyl- benzene</u> mg/kg <u>EPA 8020</u>	<u>Xylenes, Total</u> mg/kg <u>EPA 8020</u>	<u>TPH, as Fuel Oil Extractable,</u> mg/kg <u>CA DHS</u>
SB1-B (Boring 1 @9'-11')	ND	<.0005	.0017	<.0008	ND
SB2-B (Boring 2 @9'-11')	ND	<.0005	ND	<.0008	ND
SB3-B (Boring 3 @9'-11')	.00020	ND	ND	<.0008	ND
SB4-B (Boring 4 @9'-11')	ND	ND	ND	<.0008	ND
MDL, mg/kg	.0002	.0005	.0002	.0008	0.5

# FAXED

9-20-92

ND: Not Detected

MDL: Method Detection Limit

All values are in mg/kg which is equal to parts-per-million (ppm).

The Laboratory Results are only a part of the Laboratory Report.

LABORATORY REPORT

Client: CERES Contracting  
2504 W. Co. Rd. B  
St. Paul, MN 55113

Date Sampled: 9/01/92  
Date Received: 9/03/92  
Date Analyzed: 9/04/92 & 9/09/92  
Physical State: Soil

Project: McDermott Enterprises, Inc.  
670 W. Co. Rd. B  
Roseville, MN 55113

Report Date: 9/10/92  
Lab P.N.: 1010-18  
Client P.N.: NA

Quality Assurance / Quality Control Summary

<u>Parameter (Method)</u>	<u>QC Type</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>Percent Reproducibility</u>	<u>Acceptable Range</u>
Benzene (EPA 8020)	M	105	113-70	104	113-88
Toluene (EPA 8020)	M	102	117-76	101	112-90
Ethylbenzene (EPA 8020)	M	110	122-69	95	111-90
m,p-Xylenes (EPA 8020)	M	108	120-73	98	113-88
o-Xylene (EPA 8020)	M	111	121-70	97	113-88
TPH as Fuel Oil (CA DHS)	M	110	127-70	96	111-91

M = Matrix Spike / Matrix Spike Duplicate

L = Laboratory Control Sample



Reviewed



Approved

Compounds were identified by column retention time and quantified by peak area of known standards using a Hewlett Packard ChemStation Data System. The samples were received by HORIZON LABORATORIES, INC. and accompanied by the Chain-of-Custody record. The Laboratory Report is the sole property of the client to whom it is addressed. The Laboratory Results are only a part of the Laboratory Report.



# CHAIN-OF-CUSTODY RECORD

Horizon Laboratories, Inc. River Road Business Center Bldg. IV 5155 East River Road, Suite #416 Fridley, MN. 55421 Tel. (612) 572-0425 Fax (612) 572-0441

Client <b>CERES ENVIRONMENTAL</b>		Horizon Laboratories Job No. <b>1010-18</b>												
Project Name <b>McDERMOTT ENTERPRISES, INC.</b>		Client Project No. Page   of   <b>1010-18</b>												
Project Address <b>1670 W. CO. RD. B</b>		CHAIN-OF-CUSTODY RECORD NUMBER  <b>HL No. 1345</b>												
Sample Collector's Signature / Date <b>Daniel P. Rose 9/1/92</b>														
Roseville, MN. 55113		Number of Containers <b>1</b>												
Sample Collector's Signature / Date <b>Daniel P. Rose 9/1/92</b>														
Lab Sample Number	Field Sample ID	Sampling Site Identification	Collection Date / Time	Analysis Requested	Sludge (SL), Aqueous (A) Sample Matrix: Soil (S)	S	X	X	BTEX	X	TPH AS FUEL OIL	Date	Time	Total Number of Containers <b>1</b>
1142	SP #1	Stack pile sample	9/1/92 11:00am											
1.) Relinquished by: (Signature) <b>Daniel P. Rose</b>		Date <b>9/3/92</b>		2.) Received by: (Signature)		Date		Time		Total Number of Containers		Laboratory Receiving Notes:		
Company: <b>CERES ENVIRONMENTAL</b>		Date <b>9/3/92</b>		Company:		Date <b>9-3-92</b>		Time <b>8:28</b>		Temperature of Shipping Container: °C		Custody Seal Intact? yes / no		
3.) Relinquished by: (Signature)		Date <b>9/28</b>		4.) Received by Laboratory: (Signature) <b>Daniel P. Rose</b>		Date <b>9-28</b>		Time <b>8:28</b>		If yes, Custody Seal No.:		Sample(s) Condition:		
Company:		Date		Company:		Date		Time		Comments:				
Disposed by: (Signature)		Date		Time		Comments:								

Copies: White - File (initial), Yellow - File (completion), Pink - Client



# CHAIN-OF-CUSTODY RECORD

Horizon Laboratories, Inc.

River Road Business Center Bldg. IV 5155 East River Road, Suite #416 Fridley, MN. 55421 Tel. (612) 572-0425 Fax (612) 572-0441

Client <b>Bob McDermott</b>		Horizon Laboratories Job No.	
Project Name <b>JERRY'S NEW MARKET</b>		Client Project No.	Page   of
Project Address <b>670 WEST COUNTY ROAD B ROSEVILLE, MN 55113</b>		CHAIN-OF-CUSTODY RECORD NUMBER <b>HL No. 1346</b>	
Sample Collector's Signature / Date <i>David E. Breen</i> 9-15-92		Number of Containers	
Lab Sample Number	Field Sample ID	Sampling Site Identification	Collection Date / Time
	SB1-B	Burns 1 @ 9-11'	9/15/92 8:40
	SB2-B	Burns 2 @ 9-11'	9/15/92 9:25
	SB3-B	Burns 3 @ 9-11'	9/15/92 10:05
	SB4-B	Burns 4 @ 9-11'	9/15/92 10:35
1.) Relinquished by: (Signature) <i>David E. Breen</i>		2.) Received by: (Signature)	
Company: <b>CEPES ENVIRONMENTAL</b>	Date: <b>9/15/92</b>	Date	
	Time: <b>4:00 PM</b>	Time	
3.) Relinquished by: (Signature)		4.) Received by Laboratory: (Signature) <i>Patricia J. East</i>	
Company:	Date:	Date	
	Time:	Time	
Disposed by: (Signature)		Company: <b>Horizon</b>	
	Date:	Time	
		Commts:	
		Total Number of Containers	
		<b>4</b>	
		Laboratory Receiving Notes:	
		Temperature of Shipping Container: °C	
		Custody Seal Intact? yes / no	
		If yes, Custody Seal No.:	
		Sample(s) Condition:	