LEAK NUMBER 10160

# SIAIE OF WILLINGSOTA

DEPARTMENT OF PUBLIC SAFETY - DIVISION OF EMERGENCY MANAGEMANT B-5 STATE CAPITOL, SAINT PAUL, MN \$5155-1849

M I N N E S O T A D U T Y O F F I C E R
HAZARDOUS MATERIAL INCIDENT REPORT: TANKS

HAZARDOUS MATERIAL INCIDENT REPORT: TANKS						
REPORT DATE: 5- >0 - 97 TIME: 085	DUTY OFFICER:					
REPORTED BY:  NAME: Morty Bornell  C/O: DPRA Anc  ADDRESS: E1500/15t Natronal Bank  CITY: St Paul STATE:  PHONE: 227-6500 ZIP: 5510(  ALT.PHONE:	RESPONSIBLE PARTY/PROPERTY OWNER:  CONTACT: Ms Jean Gunderson  C/O: Gunderson Bros. Concrete  ADDRESS: 2325 Snelling Arc. Sc  CITY: Mala GTATE: MM  PHONE: 7-1-6119 ZIP:  ALT.PHONE:					
1325 Snelling Art. So. CITY: Molr NUMBERSIZE OF TANK(S): TANK CONTENTS AGE 1@10,000 and and 1.@1,000 and dienel -@	ZIP: COUNTY: C					
QUESTIONS? CONTACT THE MINNESOTA DUTY	OFFICER AT 649-5451 OR 1-800-422-0798					

CLM

This space for MPCA use units.

MPCA PROJECT MANAGER:

06/02/97 One 10000 and one 1000 gal steel USTs containing gas and diesel were removed. The native soil is sand with a municipal water source. Depth to GW is 30 ft. Stained soil and petro odors are present. The highest vapor reading is 120 ppm PID. (TS)

02/05/98: CLM reviewed excavation report. No ground water encountered. 6.9 ppm DRO found at the bottom of the diesel tank excavation. ND GRO at the botom of the gasoline tank. 34 ppm GRO and 1100 ppm DRO at 2 feet below the dispenser and ND for GRO and DRO at 4 feet below the dispenser. Site will be closed.

Rpt Trkng(F11) Restore(F12) Save(F10) Quit(PF3) >

February 10, 1998

Ms. Jean Gunderson Gunderson Brothers Concrete 2325 Snelling Avenue South Minneapolis, Minnesota 55415

RE: Petroleum Tank Release Site File Closure

Site: Gunderson Brothers Concrete, 2325 Snelling Avenue South, Minneapolis

Site ID#: LEAK00010160

#### Dear Ms. Gunderson:

We are pleased to let you know that the Minnesota Pollution Control Agency (MPCA) Tanks and Emergency Response Section (TERS) staff has determined that your investigation and/or cleanup has adequately addressed the petroleum tank release at the site listed above. Based on the information provided, the TERS staff has closed the release site file.

Closure of the file means that the TERS staff does not require any additional investigation and/or cleanup work at this time or in the foreseeable future. Please be aware that file closure does not necessarily mean that all petroleum contamination has been removed from this site. However, the TERS staff has concluded that any remaining contamination, if present, does not appear to pose a threat to public health or the environment.

The MPCA reserves the right to reopen this file and to require additional investigation and/or cleanup work if new information or changing regulatory requirements make additional work necessary. If you or other parties discover additional contamination (either petroleum or nonpetroleum) that was not previously reported to the MPCA, Minnesota law requires that the MPCA be immediately notified.

You should understand that this letter does not release any party from liability for the petroleum contamination under Minn. Stat. ch. 115C (Supp. 1997) or any other applicable state or federal law. In addition, this letter does not release any party from liability for nonpetroleum contamination, if present, under Minn. Stat. ch. 115B (1996), the Minnesota Superfund Law.

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 may provide partial reimbursement for petroleum tank release cleanup costs. This fund is administered by the Department of Commerce Petro Board. Specific eligibility rules are available from the Petro Board at 612/297-1119 or 612/297-4203.

Ms. Jean Gunderson Page 2 February 10, 1998

Allution Control Agency

If future development of this property or the surrouncing area is planned, it should be assumed that petroleum contamination may still be present. If petroleum contamination is encountered during future development work, the MPCA staff should be notified immediately.

For specific information regarding petroleum contamination that may remain at this leak site, please call the TERS File Request Program at 612/297-8499. The MPCA fact sheet #3.35 Leak/Spill and Underground Storage Tank File Request Form (April 1997) must be completed prior to arranging a time for file review.

Thank you for your response to this petroleum tank release and for your cooperation with the MPCA to protect public health and the environment. If you have any questions regarding this letter, please call me at 612/297-8580.

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water the President Park Date of

Sincerely.

Chris McLain

Project Manager

Cleanup Unit I

Tanks and Emergency Response Section

CLM:lh

cc: Dave Ziemer, Minneapolis Pollution Control Division, Minneapolis
Greg Lie, Hennpin County Solid Waste Officer
Robert Heimbach, DPRA, St. Paul
Minnesota Department of Commerce, Petrofund Staff



December 23, 1997

Chris L. McLain Minnesota Pollution Control Agency Cleanup Unit I Hazardous Waste Division Tanks and Emergency Response Section 520 Lafayette Road North St. Paul, Minnesota 55155-4194

RE: **UST Excavation Report** 

> Gunderson Brothes Concrete 2325 Snelling Avenue South Minneapolis, Minnesota MPCA Leak #000010160

Dear Mr. McLain:

Enclosed is an underground storage tank (UST) excavation report for the above-referenced site. DPRA recommends no further action regarding this petroleum release.

If you have any questions involving this excavation report or anything else regarding this site, please feel free to contact me or Martin Bonnell at (612) 227-6500.

Sincerely,

Robert H. Heimbach

Robert Meinhall

Hydrogeologist

enc

cc:

Jean Gunderson - Gunderson Brothers Concrete

DPRA file 5624,001

Denver,

June 6, 1997

Ms. Jean Gunderson Gunderson Brothers Concrete 2325 Snelling Avenue South Minneapolis, Minnesota 55415

RE: Petroleum Storage Tank Release Investigation and Corrective Action

Site: Gunderson Brothers Concrete, 2325 Snelling Avenue South, Minneapolis

Site ID#: LEAK00010160

Dear Ms. Gunderson:

#### Notice of Release

The Minnesota Pollution Control Agency (MPCA) has been informed that a release of petroleum has occurred from storage tank facilities which you own and/or operate. We appreciate your timely notification so this site can be handled in an efficient manner.

### **Legal Obligations**

Federal and state laws require that persons legally responsible for storage tank releases notify the MPCA of the release, investigate the release and, if necessary, clean up the release. A person is considered legally responsible for a tank release if the person owned or operated the tank either during or after the release, unless specifically exempted under the law. If you believe that you are not legally responsible for this storage tank release, please contact the project manager listed below.

If you are not legally responsible for the release, but hold legal or equitable title to the property where the release occurred, you may volunteer to take corrective action. Responsible persons and volunteers who take corrective action may be eligible for reimbursement for a major portion of the costs of corrective action. The legislature has established the Petroleum Tank Release Cleanup Account to reimburse responsible persons and volunteers. The account is administered by the Petro Board which is part of the Minnesota Department of Commerce. Final decisions regarding the amount of reimbursement are made by the Petro Board. All questions about eligibility and reimbursement should be directed to the Petrofund staff at 612/297-1119 or 612/297-4203.

# Request to Take Corrective Action

The MPCA staff requests that you take steps to investigate and, if necessary, clean up the release in accordance with the enclosed MPCA fact sheets. The site investigation must fully define the extent and magnitude of the soil and/or ground water contamination caused by the release. A report (excavation report and/or remedial investigation/corrective action design (RI/CAD)) which details the results of the investigation or concludes that excavation was sufficient to clean up the release must be submitted to this office within 10 months of the date of this letter. Please refer to MPCA fact sheets for information pertaining to the amount of work needed at the petroleum release site(s).

Ms. Gunderson Page 2 June 6, 1997

Sites with free product (free-floating petroleum), drinking water supply impacts, surface water impacts, indoor vapor impacts, fire or explosion hazards, or ground water impacts which pose a significant threat to public health or the environment, are considered high priority for staff review. If one or more of these situations apply to your site, an RI/CAD report must be submitted within 90 days. In addition, if you know or discover that there is free-product from a well, excavation, or borehole, you must notify the MPCA within 24 hours and IMMEDIATELY begin interim free product recovery.

If you have not already done so, the MPCA recommends that you hire a qualified consulting firm registered with the Petrofund staff that has experience in conducting petroleum release site investigations and in proposing and implementing appropriate corrective actions. A list of registered contractors and consultants is available from the Petrofund staff. The MPCA reserves the right to reject proposed corrective actions if the requirements of the site investigation have not been fulfilled. Please note that, under Minn. R. 2890.0075, subp. 2, you must solicit a minimum of two competitive proposals on a form prescribed by the Petro Board to ensure that the consulting costs are reasonable. Questions about bidding requirements should be directed to Petrofund staff.

#### Required Response

MPCA staff requests a response to this letter within 30 days. Please tell us whether you intend to proceed with the requested work. If you do not respond within this time frame, the MPCA staff will assume that you do not intend to comply, in which case the MPCA Commissioner may order you to take corrective action. Failure to cooperate with the MPCA in a timely manner may result in reduced reimbursement from the Petro Board. See Minn. R. 2890.0065, subp. 1, item C. The enclosed fact sheets will provide you with the information necessary to complete a successful investigation and cleanup. If you have any questions concerning this letter or need additional information, please contact me at 612/297-8580. Please reference the above LEAK # in all correspondence. If you are calling long distance, you may reach the MPCA St. Paul office by calling 1/800-657-3864.

Sincerely,

Chris L. McLain Project Manager

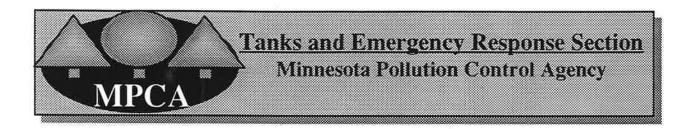
Cleanup Unit I

Tanks and Emergency Response Section

CLM:raf

Enclosures

cc: Dave Ziemer, Minneapolis Pollution Control Division, Minneapolis Marty Bonnell, DPRA, St. Paul



# EXCAVATION REPORT WORKSHEET FOR PETROLEUM RELEASE SITES

Fact Sheet #3.7 April 1997

Complete the information below and submit to the Minnesota Pollution Control Agency (MPCA) Tanks and Emergency Response Section to document excavation and treatment of petroleum contaminated soil. Conduct excavations in accordance with "Excavation of Petroleum Contaminated Soil" (fact sheet #3.6). Please attach any available preliminary site investigation reports to this excavation report.

Attach additional pages if necessary. Please type or print clearly.

The excavation reporting deadline is 10 months from the date of receipt of the standard letter. A shorter deadline may be established by MICA staff for high priority sites.

#### PART I: BACKGROUND

A. Site: Gunderson Brothers Concrete

Street: 2325 Snelling Avenue South City, Zip: Minneapolis, Minnesota 55415

County: Hennepin

MPCA Site ID#: *LEAK000010160* 

C. Excavating Contractor: Minnesota Petroleum Services

Contact: Ken Wingard Telephone: (612) 780-5191

Tank Contractor Certification Number: 0604

B. Tank Owner/Operator: Jean Gunderson

Mailing Address: 2325 Snelling Avenue South

Street/Box: Snelling Avenue South

City, Zip: Minneapolis, Minnesota 55415

Telephone: (612) 721-6119

D. Consultant: DPRA

Contact: Marty Bonnell

Street/Box: E-1500 First National Bank

332 Minnesota Street

City, Zip: St. Paul, Minnesota 55101-1314

Telephone: (612) 227-6500

Excavation Report Worksheet for Petroleum Release Sites Page 2 April 1997

E. Others on-site during site work (e.g., fire marshal, local officials, MICA staff, etc.):

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.

#### PART II: DATES

- A. Date release reported to MICA: May 30, 1997
- B. Dates site work performed (tanks removed, soil excavation, soil borings, etc.):

Work Performed		Date
1,000 gallon diesel tank removed	05/29/97	
10,000 gallon unleaded gasoline tank removed	05/29/97	
Dispenser island removed	05/29/97	

# PART III: SITE AND RELEASE INFORMATION

A. Describe the land use and pertinent geographic features within 1,000 feet of the site. (i.e. residential property, industrial, wetlands, etc.)

Commercial and industrial property to the West, North and East. Small strip mall tot he south of the project site.

Table 1.

B. Provide the following information for <u>all</u> tanks at the site at the time of the release:

Tank #	UST or AST	Capacity (gallons)	Contents (product type)	Age	Status*	Condition of Tank
1	UST	1000	Diesel	?	Removed	Steel-Fair-rusted, slightly pitted, no holes
2	UST	10,000	Unleaded	?	Removed	Steel-Fair-rusted, minor pitting, no holes

<sup>\*</sup>Indicate: removed (date), abandoned in place (date), or currently used Notes:

C. Describe the status of the other components of the tank system(s), (i.e., piping and dispensers) for those tanks listed above.

Steel piping rusted but obvious holes. There was heavy staining around the removed dispensers that extended to a depth of two feet below grade.

D. Identify and describe the source or suspected source(s) of the release and how the release was discovered.

The concrete surface around the diesel dispenser pump was highly stained from over spillage during vehicle filling. Soils under dispensers were stained and had strong odors to a depth of two feet.

- E. What was the volume of the release? (if known): <u>Unknown</u> gallons
- F. When did the release occur? (if known): <u>Unknown</u>
- G. Describe source of on-site drinking water. Municipal water source

# PART IV: EXCAVATION INFORMATION

- A. Dimensions of excavation: Length 54 feet Width 26 feet Depth 12 feet
- B. Original tank backfill material (sand, gravel, etc.): Fine to coarse grained sand
- C. Native soil type (clay, sand, etc.): Sand, gravely sand and loamy sand
- D. Quantity of contaminated soil removed for treatment (cubic yards): <u>No soil removed</u>
   [Note: If more than 150 cubic yards removed, please attach copy of written approval from MICA.]
- E. Were new tanks installed at the site? (yes/no) If yes, how much soil was excavated to accommodate the installation of the new tanks?
  - Yes, N/A- AST tanks installed at the site.
- F. Was ground water encountered or a suspected perched water layer or was there evidence of a seasonally high ground water table (i.e. mottling)? (yes/no) At what depth? No
- G. If ground water was not encountered during the excavation, what is the expected depth of ground water?
- The U.S. Geological Survey (USGS) St. Paul West, Minnesota, 7.5 minute quadrangle topographic map shows the ground surface to be at 840 feet above MSL. The Geologic Atlas of Hennepin County, Minnesota water table system atlas shows the groundwater to be at 800 feet above MSL. The groundwater is then approximately 40 feet below the surface at the site.
- H. If a soil boring was required (Additional investigation is required at sites that have visual or other evidence of contamination remaining in the suspected source area, with sandy or silty sand soil [Unified Soil Classification System/American Society for Testing Materials] and where the water table is within 25 feet of the ground surface. See fact sheet #3.6 "Excavation of Petroleum Contaminated Soil," Part VI Additional Investigation.) describe the soil screening and analytical results. Attach the boring logs and laboratory results to this report.
- I. If no soil boring was required, explain. Not applicable

Pa	cavation Report Worksheet for Petroleum Release Sites ge 5 ril 1997
J.	If ground water was encountered or if a soil boring was conducted, was there evidence of ground water contamination? (yes/no) Describe this evidence of contamination, e.g., free product (specify thickness), product sheen, ground water in contact with petroleum contaminated soil, water analytical results, etc.
No	ot applicable
	[NOTE: If free product was observed, contact MICA staff immediately as outlined in fact sheet #3.3 "Free Product: Evaluation and Recovery"].
	<b>χ</b>
K.	Was bedrock encountered in the excavation? (yes/no) At what depth? No
-	
т	
L.	Were other unique conditions associated with this site? (yes/no) If so, explain. No
PA	ART V: SAMPLING INFORMATION
A.	Briefly describe the field screening methods used to distinguish contaminated from uncontaminated soil.

Soils were screened with an HNU Model 101 photoionization detector (PID) with a 10.2 eV lamp. Jar headspace analysis was conducted with the PID in accordance with MICA guidelines

to separate contaminated soil from uncontaminated soil.

B. List all soil vapor headspace analysis results. Indicate all sampling locations using sample codes (with sampling depths in parentheses), e.g. R-1 (2 feet), R-2 (10 feet), etc. "R" stands for "removed." Samples collected at different depths at the same location should be labeled R-1A (2 feet), R-1B (4 feet), R-1C (6 feet), etc. If the sample was collected from the sidewall or bottom after excavation was complete, label it S-1 (for sidewall) or B-1 (for "bottom"). Be sure the sample codes correspond with the site map required in part VI, below.

Sample	Soil	Reading ppm	
Code	Туре		
SV-1 (Diesel)	Medium grained sand fill w/gravel	32.0	
SV-2 (Diesel)	Coarse grained sand fill w/gravel	40.0	
SV-3 (Diesel)	Fine to coarșe sand fill w/gravel	10.0	
SV-4 (Diesel)	Fine sand fill w/silt	20.0	
SV-5 (Diesel)	Fine grained sand fill	5.0	
SV-6 (Diesel)	Medium grained sand fill	10.0	
B-SOUTH (Diesel)	Medium grained sand fill	2.0	
B-NORTH (Diesel)	Medium grained sand fill	2.0	
ISLAND-1 (Diesel)	Medium grained sand (stained)	120.0	
ISLAND-2 (Diesel)	Medium grained sand fill	12.0	
SV-1 (GAS)	Medium grained sand fill w/gravel	3.0	
SV-2 (GAS)	Medium grained sand fill w/gravel	2.0	
SV-3 (GAS)	Fine to medium grained sand w/gravel	2.0	
SV-4 (GAS)	Fine to medium grained sand w/gravel	11.0	
SV-5 (GAS)	Fine to medium grained sand w/gravel	2.5	
SV-6 (GAS)	Fine to medium grained sand w/gravel	2.0	
SV-7 (GAS)	Fine to medium grained sand	3.0	
SV-8 (GAS)	Fine to medium grained sand	2.0	
B-SOUTH (Gas)	Fine to medium grained sand	2.0	
B-NORTH (Gas)	Fine to medium grained sand	3.0	

C. Was the "removed soil" placed back into the excavation basin? (yes/no) *Yes*If no, please complete Part VIII: Soil Treatment Information section. If yes, a Limited Site Investigation is necessary (see fact sheet #3.19, "Soil and Ground Water Investigations Performed During Remedial Investigations").

Excavation Report Worksheet for Petroleum Release Sites Page 7 April 1997

D. Briefly describe the soil analytical sampling and handling procedures used:

Soil samples were collected from freshly exposed soil. To avoid cross-contamination, the sampler used a clean pair of vinyl gloves for each sample collection. Each sample jar was appropriately filled and tightly sealed with a Teflon  $^{\text{IM}}$  lined cap. Recommended preservation techniques were used for samples. Each jar was labeled with the project number, the sample number, the date and time of collection, the sampler's initials, and the analysis requested. Jars were placed in a cooler containing ice. A chain-of-custody form accompanied the samples to the laboratory.

E. List below all soil sample analytical results from bottom and sidewall samples (i.e., soils left in place when excavation is complete). Code the samples with sampling depths in parentheses as follows: sidewall samples S-1 (8 feet), S-2 (4 feet), etc.; bottom samples B-1 (13 feet), B-2 (14 feet), stockpile samples SP-1, etc. Be sure the sample codes correspond to the site map required in part VI. Do not include analyses from the stockpiled soil.

Sample	GRO	DRO	Benzene	Ethyl-	Toluene	Xylene	MTBE	Lead
Code	ppm	ppm	ppm	benzene	ppm	ppm	ppm	ppm
				ppm				
B-SOUTH (Diesel)		6.9	< 0.025	< 0.025	< 0.025	0.047	< 0.025	-+-
B-NORTH (Diesel)		4.2	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	222
ISLAND-1 (Diesel)	34	1100	< 0.025	0.041	< 0.025	0.280	< 0.025	2229
ISLAND-2 (Diesel)	<2.6	<3.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
B-SOUTH (Gas)	<2.7		< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
B-NORTH (Gas)	<2.6		< 0.025	0.033	0.037	0.188	< 0.025	

NOTE: ATTACH COPIES OF LABORATORY REPORTS AND CHAIN OF CUSTODY FORMS.

Excavation Report Worksheet for Petroleum Release Sites Page 8 April 1997

#### PART VI: FIGURES

Attach the following figures to this report:

- 1. Site location map.
- 2. Site map(s) drawn to scale illustrating the following:
  - 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, township, or county roadways;
  - d. Final extent and depth of excavation;
  - e. Location of soil screening samples (e.g. R-1), soil analytical samples (e.g., S-1 or B-1), and any soil borings (e.g., SB-1). Also, attach all boring logs.
  - f. North arrow, bar scale and map legend.
  - g. Provide location of any on-site water wells. If on-site water wells exist, please provide well logs and/or construction diagrams.

Excavation Report Worksheet for Petroleum Release Sites Page 9 April 1997

# PART VII: SUMMARY

Briefly summarize evidence indicating whether additional investigation is necessary at the site, as discussed in parts VI and VII of "Excavation of Petroleum Contaminated Soil" (fact sheet #3.6). If no further action is recommended, the MICA staff will review this report following notification of soil treatment.

The source of contamination appeared to be historical surface overfills. The analytical results detected DRO at a concentration of 1100 ppm at two feet and below measurable detection at four feet in a test pit directly below the diesel dispenser. Groundwater appears to exist further than 30 feet from any remaining contaminated soil. DPRA recommends no further action at this site.

# PART VIII: SOIL TREATMENT INFORMATION

- A. Soil treatment method used (thermal, land application, composting, other). If you choose "other" specify treatment method: *Not applicable*
- B. Location of treatment site/facility: Not applicable
- C. Date MICA approved soil treatment (if thermal treatment was used after May 1, 1991, indicate date that the MICA permitted thermal treatment facility agreed to accept soil): *Not applicable*
- D. Identify the location of stockpiled contaminated soil: Not applicable

Excavation Report Worksheet for Petroleum Release Sites Page 10 April 1997

# PART IX: CONSULTANT (OR OTHER) PREPARING THIS REPORT

By signing this document, I/we acknowledge that we are submitting this document on behalf of and as agents of the responsible person or volunteer for this leak site. I/we acknowledge that if information in this document is inaccurate or incomplete, it will delay the completion of remediation and may harm the environment and may result in reduction of reimbursement awards. In addition, I/we acknowledge on behalf of the responsible person or volunteer for this leak site that if this document is determined to contain a false material statement, representation, or certification, or if it omits material information, the responsible person or volunteer may be found to be in violation of Minn. Stat. § 115.075 (1994) or Minn. 7000.0300 (Duty of Candor), and that the responsible person or volunteer may be liable for civil penalties.

Name and Title:

Signature:

Date signed:

Robert H. Heimbach Hydrogeologist Robert Gentlas

12 / 23/ 97

Company and mailing address:

DPRA Incorporated

E1500 1st Nat'l Bank Building

332 Minnesota Street St. Paul, MN 55101

Phone:

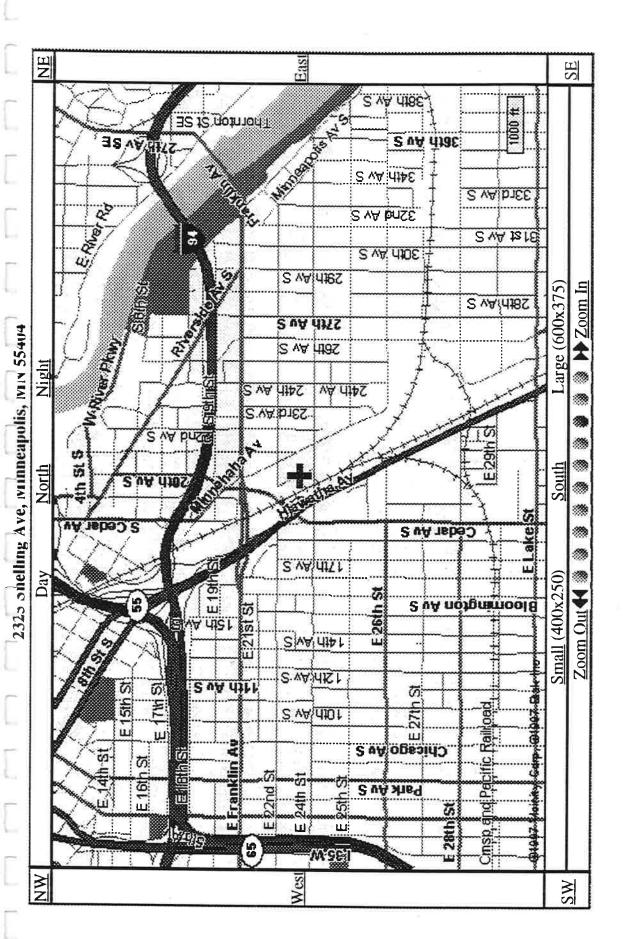
612/227-6500

Fax:

612/227-5522

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

Chris L. McLain
Minnesota Pollution Control Agency
Cleanup Unit I Hazardous Waste Division
Tanks and Emergency Response Section
520 Lafayette Road North
St. Paul, Minnesota 55155-4194



Gunderson Brothers Concrete 2325 Snelling Ave South Minneapolis, MN 55404

