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# STATE OF MINNESOTA

DEPARTMENT OF PUBLIC SAFETY - DIVISION OF EMERGENCY MANAGEMENT  
8-5 STATE CAPITOL, SAINT PAUL, MN 55155-1049

## MINNESOTA DUTY OFFICER HAZARDOUS MATERIALS INCIDENT REPORT: TANKS

REPORT DATE: 4 NOV 97 TIME: 1610 DUTY OFFICER: CHERNEY

<b>REPORTED BY:</b>	<b>RESPONSIBLE PARTY/PROPERTY OWNER:</b>
NAME: MARY BOWELL	CONTACT: DENNIS LAHLHAMMER
CO: DPCA	CO: CONDO SUPER STOP
ADDRESS: E 1500 1ST NATIONAL BANK	ADDRESS: BOX 399 MAIN ST
CITY: ST. PAUL STATE: MN	CITY: PILLETZ STATE: MN
PHONE: 612-227-6500 ZIP: 55101	PHONE: 1-320-468-6873 ZIP: 56364
ALT. PHONE:	ALT. PHONE:

DISCOVERY DATE: 4 NOV 97 TIME: 1100L PREVIOUSLY REPORTED SITE?: Y (N) UNK -LEAK#

SITE NAME & ADDRESS: CONDO SUPER STOP, BOX 399 MAIN ST  
CITY: PILLETZ ZIP: 56364 COUNTY: MADISON

NUMBER/SIZE OF TANK(S):	TANK CONTENTS:	AGE OF TANK(S):	TYPE:
1 @ 8000	GASOLINE	UNK	U.S.T. A.S.T. STEEL/FIBRE GLASS
2 @ 8000	GASOLINE		U.S.T. A.S.T. STEEL/FIBRE GLASS
3 @ 8000	GASOLINE		U.S.T. A.S.T. STEEL/FIBRE GLASS
4 @ 8000	GASOLINE		U.S.T. A.S.T. STEEL/FIBRE GLASS
5 @ 2000	LEAK SOURCE		U.S.T. STEEL

NATIVE SOIL TYPE: SURFACE WATER NEARBY? Y/N/UNK

WELLS ON SITE? Y (N) UNK WATER SOURCE: MUNICIPAL PRIVATE WELL

CONTAMINATED SOIL EXCAVATED? Y (N) UNK QUANTITY: 45 yards

ABLE TO DIG OUT OF CONTAMINATION? Y (N) UNK

GROUND WATER ENCOUNTERED?: Y (N) UNK DEPTH TO GROUND WATER?:

FREE PRODUCT FOUND?: Y (N) STAINED SOILS?: Y (N) PETROLEUM ODERST? Y (N)

HIGHEST VAPOR READING: 145 PPM ANALYTICAL RESULTS:

NARRATIVE: UST Removal + replacement.  
TABS 8220

### DUTY OFFICER NOTIFICATIONS MADE: (AGENCY, NAME, TIME)

MPCA TANKS, ATTN: STACEY VAN PATTON - FAX	
MARY BOWELL	FAX

ANY QUESTIONS? CONTACT THE MINNESOTA DUTY OFFICER AT 649-5451 OR 1-800-422-0798

This Space For MPCA Use Only:

MPCA PROJECT MANAGER: DKM LEAK NUMBER: 10929



# Minnesota Pollution Control Agency

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March 12, 1998

Mr. Dennis Kahlhammer  
Conoco Super Stop  
Main Street  
PO Box 399  
Pierz, Minnesota 56364

RE: Petroleum Tank Release Site File Closure  
Site: Conoco Super Stop, Main Street, Pierz  
Site ID#: LEAK00010929

Dear Mr. Kahlhammer:

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.

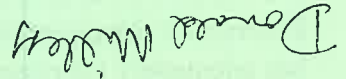
Because you performed the requested work, the state may reimburse you for a major portion of your costs. The Petroleum Tank Release Cleanup Act establishes a fund which may provide partial reimbursement for petroleum tank release cleanup costs. This fund is administered by the Department of Commerce Petro Board. Specific eligibility rules are available from the Petro Board at 612/297-1119 or 612/297-4203.

If future development of this property or the surrounding 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* (August 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 (218)828-6117.

Sincerely,



Donald Millless

Project Manager

Brainerd Region Cleanup Unit

Tanks and Emergency Response Section

DKM:nab

cc: Lora Vardas, City Clerk, Pierz

Roger Kuklok, Morrison County Zoning Administrator, Little Falls  
Donavan Hannu, DPRA Environmental Consulting, St. Paul



# Minnesota Pollution Control Agency

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January 21, 1998

Mr. Dennis Kahlhammer  
Conoco Super Stop  
Main Street  
PO Box 399  
Pierz, Minnesota 56364

RE: Request For Additional Work  
Site: Conoco Super Stop, Main Street, Pierz  
Site ID#: LEAK00010929

Dear Mr. Kahlhammer:

The Minnesota Pollution Control Agency (MPCA) Tanks and Emergency Response Section (TERS) staff has reviewed the Excavation Report dated December 22, 1997, submitted by DPRA Incorporated for the above-referenced site. Based upon the information provided in the report, it has been determined that additional work is required at the above-referenced property. Specifically, the following activities should be conducted at the site:

Photoionization detector readings at the base of the excavation (14 feet below grade) detected petroleum vapors at eight parts per million. Part VI of MPCA TERS fact sheet #3.6 (Excavation of Petroleum Contaminated Soil) states:

- Additional investigation is required at sites 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. Advance a soil boring directly through the suspected source area (former underground storage tank basin), when visual or other evidence of contamination remains in the suspected source area.
- If the boring(s) encounters contaminated ground water, an LSI is necessary.

Please proceed with the additional work as outlined in fact sheet #3.6.

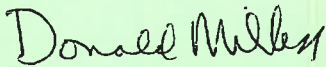
The MPCA staff request that the work be completed within five (5) months of the date of this letter. Failure to meet this deadline in a timely manner may result in reductions in Petrofund reimbursement or lead to MPCA enforcement actions.

Mr. Dennis Kahlhammer

Page 2

If you have any questions regarding this letter, please contact me at 218/828-6117. If you are calling long distance, you may reach the MPCA by calling 1-800-657-3864.

Sincerely,



Donald Milless  
Project Manager  
Brainerd Region Cleanup Unit  
Tanks and Emergency Response Section

DKM:tlc

cc: Donovan Hannu, DPRA Incorporated, St. Paul



# Minnesota Pollution Control Agency

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November 12, 1997

Mr. Dennis Kahlhammer  
Conoco Super Stop  
Box 399, Main Street  
Pierz, Minnesota 56364

RE: Petroleum Storage Tank Release Investigation and Corrective Action  
Site: Conoco Super Stop, Box 399, Main Street, Pierz  
Site ID#: LEAK00010929

Dear Mr. Kahlhammer:

## 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).

520 Lafayette Rd. N.; St. Paul, MN 55155-4194; (612) 296-6300 (Voice); (612) 282-5332 (TTY)

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Mr. Dennis Kahlhammer

Page 2

November 12, 1997

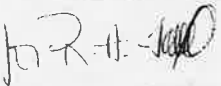
Sites with free product (free-floating petroleum), drinking water supply impacts, surface water impacts, indoor vapor impacts, fire or explosion hazards, or ground water impacts which pose a significant threat to public health or the environment, are considered high priority for staff review. If one 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, 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. 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 218/828-6117. Please reference the above LEAK # in all correspondence.

Sincerely,



Don K. Milless  
Project Manager  
Brainerd Regional Office  
Tanks and Emergency Response Section

DKM:raf

Enclosures

cc: Lora Vardas, City Clerk, Pierz  
Chuck Meyer, Fire Chief, Pierz  
Jeff Meyer, Morrison County Solid Waste Officer  
Marty Bonnell, DPRA, St. Paul

March 9, 1998

Don K. Milless  
Minnesota Pollution Control Agency  
Brainerd Regional Office  
1601 Minnesota Drive  
Brainerd, MN 56401

RECEIVED  
MAR 11 1998

MPCA-BRAINERD  
BRAINERD, MN

RE: Additional Investigation Results  
Conoco Super Shop  
Pierz, Minnesota  
MPCA Site I.D. No. 10929

Dear Mr. Milless:

The purpose of this letter is to discuss the results of the additional investigation at the project site.

### Background Information:

On December 22, 1997, DPRA submitted an Underground Storage Tank (UST) Excavation Report to the MPCA for the above-referenced site; the report recommended site closure. On January 21, 1998, you requested additional work because PID readings were detected at 8.0 parts per million (ppm) at the bottom of the excavation and the groundwater was within 25 feet of the ground surface.

### Additional Investigation:

On February 13, 1998, DPRA directed the advancement of one geoprobe (GP-1) at the edge of the former UST basin to groundwater, which existed at an approximate depth of 28.0 feet. (New USTs were installed in the former UST basin; this prevented the geoprobe from being advanced in the center of the former UST basin.) Soil samples were collected on a continuous basis and screened with a photoionization detector (PID). One soil sample and one groundwater sample were submitted to a laboratory for chemical analysis of BETX, GRO, and DRO.

No PID readings exceeding 0.5 ppm were detected in any of the soil samples; a summary of the PID readings is presented by Table 1. GRO and DRO were detected in the soil sample collected from a depth of 25 feet at concentrations of 7.8 mg/kg and 12.0 mg/kg, respectively. No individual hydrocarbons were detected in the soil sample. Table 2 presents a summary of the soil analytical results. No individual hydrocarbons were detected in the groundwater sample;



Don K. Milless  
Page 2  
March 9, 1998

however, DRO was detected at a concentration of 140 µg/l. The laboratory report is attached; the groundwater analytical results are summarized by Table 3.

**Recommendations:**

Because no regulated hydrocarbon constituents were detected in the groundwater, DPRA recommends no further action at the project site.

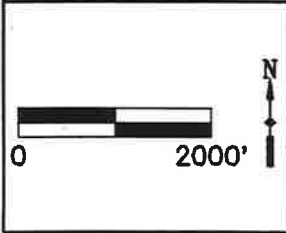
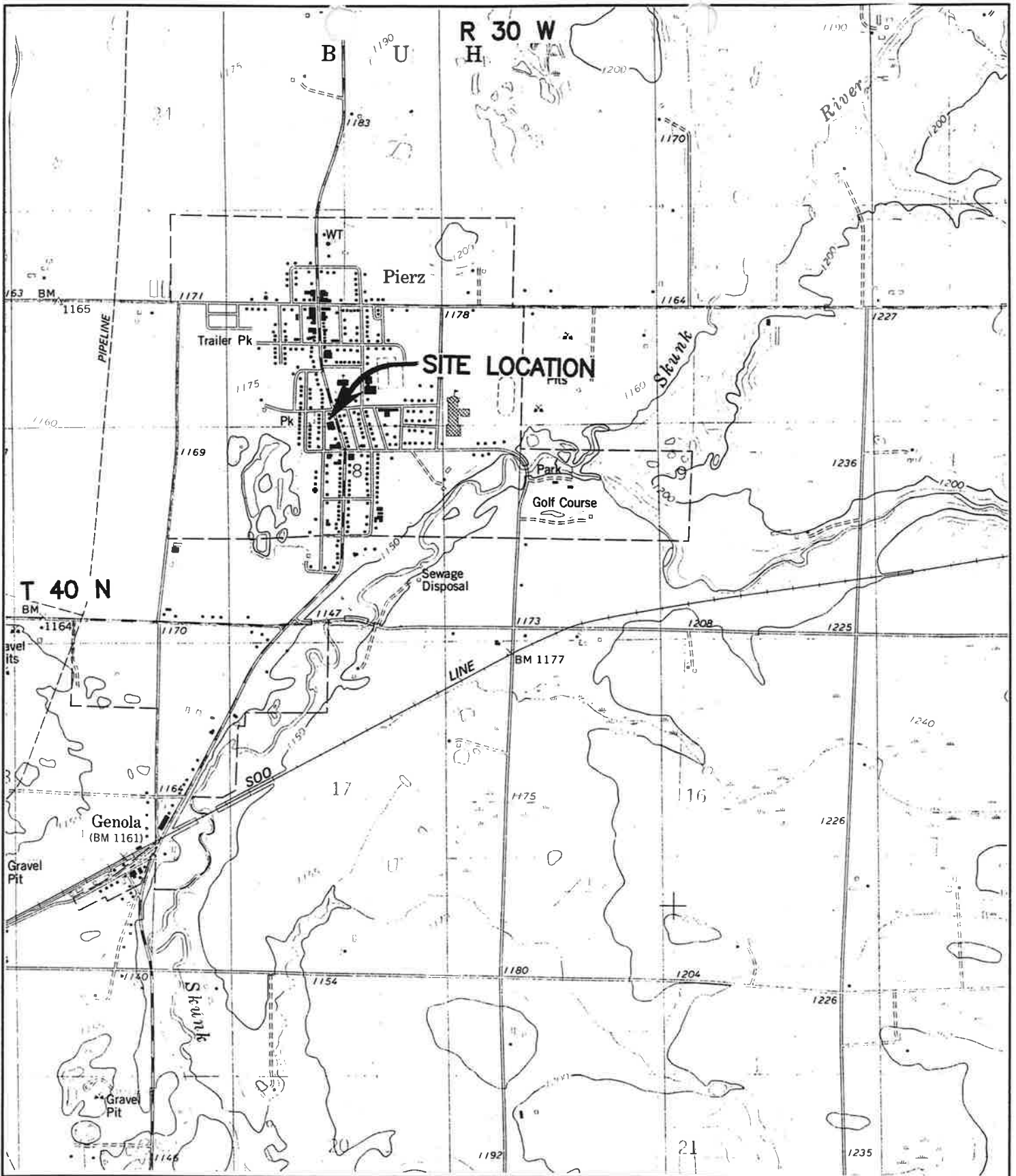
If you have any questions or concerns about the project site, please call me or Martin Bonnell at (612) 227-6500.

Sincerely,

A handwritten signature in blue ink, appearing to read "Donovan Hannu", with a long horizontal flourish extending to the right.

Donovan Hannu, P.E.  
Associate Civil Engineer

cc: DPRA file 5657.001.002



**FIGURE 1**  
**SITE LOCATION MAP**

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**CONOCO SUPER STOP**  
**BOX 399, MAIN STREET**  
**PIERZ, MINNESOTA**

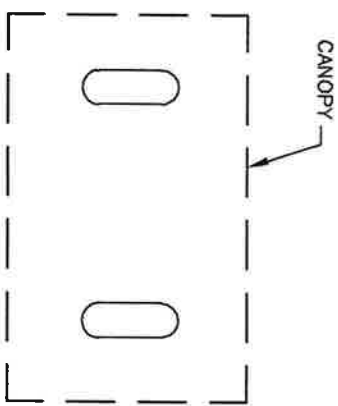
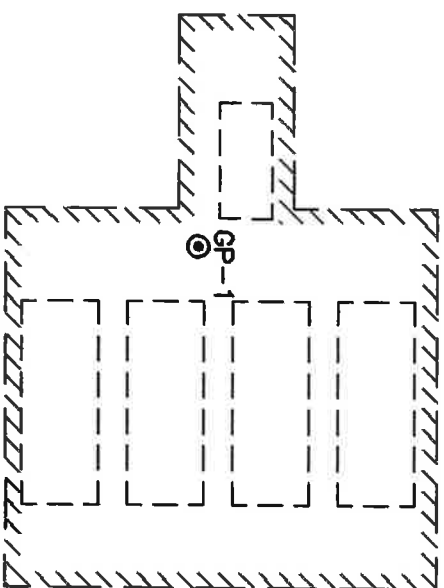
**DPRA**

DATE: DECEMBER 15, 1997  
PROJECT NO. 5618.003

ROBERT STREET

LAKES HEADWEAR

CONOCO SUPER STOP STORE



BALL ROOM

CHIROPRACTOR

MAIN STREET



**LEGEND**

FORMER UNDERGROUND STORAGE TANK

EXCAVATION LIMITS

PUMP ISLAND

GEOPROBE



NOTE: APPROXIMATE BUILDING AND UTILITY LOCATIONS. CALL LOCAL UTILITY OPERATOR TO VERIFY UTILITIES BEFORE STARTING ANY SUBSURFACE WORK.

FIGURE 2  
SITE MAP

CONOCO SUPER STOP  
BOX 399, MAIN STREET  
PIERZ, MINNESOTA



DATE: MARCH 4, 1998  
PROJECT NUMBER: 5618.003

H5618003S.DWG

TABLE 1

PID MEASUREMENTS

Conoco Super Store  
Box 399 Main Street  
Pierz, Minnesota

<u>Soil Boring</u>	<u>Date Measured</u>	<u>Sample Depth</u> <u>(feet)</u>	<u>PID<sup>(1)</sup></u> <u>Readings</u> <u>(ppm)</u>
GP-1	02/13/98	3-5	0.0
		5-8	0.0
		8-12	0.5
		12-16	0.0
		16-20	0.0
		20-24	0.0
		24-26	0.0
		28-30	0.0

---

<sup>(1)</sup> Above background levels  
ppm = parts per million

TABLE 2

## NONAQUEOUS ANALYTICAL RESULTS

Conoco Super Store  
Box 399 Main Street  
Pierz, Minnesota

<u>Sample</u>	<u>Date Sampled</u>	<u>Depth feet</u>	<u>Benzene mg/kg</u>	<u>Ethyl- benzene mg/kg</u>	<u>Toluene mg/kg</u>	<u>Xylenes mg/kg</u>	<u>DRO mg/kg</u>	<u>GRO mg/kg</u>
GP-1	02/13/98	24-26	<0.043	<0.15	<0.15	<0.28	12.0	7.8

---

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

mg/kg = Milligrams per kilogram which are equivalent to parts per million (ppm)

TABLE 3

## AQUEOUS ANALYTICAL RESULTS

Conoco Super Store  
Box 399 Main Street  
Pierz, Minnesota

<u>Sample</u>	<u>Date Sampled</u>	<u>Benzene <math>\mu\text{g/l}</math></u>	<u>Ethyl- benzene <math>\mu\text{g/l}</math></u>	<u>Toluene <math>\mu\text{g/l}</math></u>	<u>Xylenes <math>\mu\text{g/l}</math></u>	<u>DRO <math>\mu\text{g/l}</math></u>	<u>GRO <math>\mu\text{g/l}</math></u>
GP-1	02/13/98	<0.60	<0.55	<1.5	<2.7	140	<40

---

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

$\mu\text{g/l}$  = Micrograms per liter which are equivalent to parts per billion (ppb)



## LABORATORY REPORT

**Client:** DPRA, Inc.  
 E-1500 First National Bank Building  
 332 Minnesota Street  
 St. Paul, MN 55101

**Date Sampled:** 02/13/98  
**Date Received:** 02/18/98  
**Date Analyzed:** 02/20/98 - 02/23/98  
**Physical State:** Aqueous & Soil

**Project:** Super Stop  
 Pierz, MN

**Report Date:** 02/24/98  
**Lab P.N.:** 1053-141  
**Client P.N.:** 5657.001.002

### Quality Assurance / Quality Control Summary

<u>Parameter (Method)</u>	<u>QC Type</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>Relative Percent Difference</u>	<u>Acceptable Range</u>
Benzene (EPA 8020)	M	103	78 - 107	0.49	0 - 12
Toluene (EPA 8020)	M	102	76 - 111	0.64	0 - 15
Ethylbenzene (EPA 8020)	M	103	78 - 103	1.1	0 - 11
m,p-Xylenes (EPA 8020)	M	106	83 - 113	2.5	0 - 12
o-Xylenes (EPA 8020)	M	101	79 - 106	0.93	0 - 12
GRO (Wis. DNR)	M	99	80 - 120	4.8	0 - 20
DRO (Wis. DNR)	M	89	75 - 115	16	0 - 20

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.



**LABORATORY RESULTS**

**Client:** DPRA, Inc.  
 E-1500 First National Bank Building  
 332 Minnesota Street  
 St. Paul, MN 55101

**Date Sampled:** 02/13/98  
**Date Analyzed:** 02/20/98 - 02/23/98  
**Physical State:** Aqueous

**Project:** Super Stop  
 Pierz, MN

**Report Date:** 02/24/98  
**Lab P.N.:** 1053-141  
**Client P.N.:** 5657.001.002

Sample I.D.	Benzene	Toluene	Ethyl- benzene	Total, Xylenes	GRO	DRO
	µg/l EPA 8020	µg/l EPA 8020	µg/l EPA 8020	µg/l EPA 8020	µg/l Wis. DNR	µg/l Wis. DNR
GP-1	< 0.60	< 1.5	< 0.55	< 2.7	< 40	140
PQL, µg/l	0.60	1.5	0.55	2.7	40	65
MDL, µg/l	0.12	0.25	0.11	0.53	4.3	13

PQL: Practical Quantitation Limit

MDL: Method Detection Limit

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

All results are in µg/l which is equal to parts-per-billion (ppb).

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

## LABORATORY RESULTS

**Client:** DPRA, Inc.  
 E-1500 First National Bank Building  
 332 Minnesota Street  
 St. Paul, MN 55101

**Date Sampled:** 02/13/98  
**Date Analyzed:** 02/20/98  
**Physical State:** Soil

**Project:** Super Store  
 Pierz, MN

**Report Date:** 02/24/98  
**Lab P.N.:** 1053-141  
**Client P.N.:** 5657.001.002

<u>Sample I.D.</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>Total, Xylenes</u> mg/kg <u>EPA 8020</u>	<u>GRO</u> mg/kg <u>Wis. DNR</u>	<u>DRO</u> mg/kg <u>Wis. DNR</u>	<u>% Moisture</u>
GP-1 (24-26')	< 0.043	< 0.15	< 0.15	< 0.28	7.8	12	5.2
PQL, mg/kg	0.00070	0.0025	0.0025	0.0047	0.0	0.90	
MDL, mg/kg	0.00014	0.00049	0.00050	0.00093	0.65	0.23	

MDL: Method Detection Limit for undiluted samples.

PQL: Practical Quantitation Limit for undiluted samples.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

All results are in mg/kg which is equal to parts-per-million (ppm) and are based on a "dry weight" basis.

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

**RECEIVED**

DKM

**C.S. McCROSSAN, INC.**  
**APPLICATION TO TREAT PETROLEUM CONTAMINATED SOIL**  
**THERMAL REMEDIATION**

MPCA-BRAINERD  
BRAINERD, MN  
January 1997

This application must be completed and returned to C. S. McCrossan for signature to be valid. (We do not process soil classified as hazardous waste (Minn. R. Ch 7045) or contaminated with chlorinated hydrocarbons or PCB's.)

A. Minnesota Pollution Control Agency (MPCA) site LEAK or SPILL Number 10929  
McCrossan ID Number \_\_\_\_\_

B. MPCA Project Manager: \_\_\_\_\_ Area Office: \_\_\_\_\_

C. **SOURCE OF SOIL:**  
Facility Name: CONCORD SUPER STOP Contact Name: DENNIS RAHLHAMMER  
Street Address: BOX 399 MAIN ST Telephone: (320) 468-6873  
City, State, Zip: PIERZ, MN 56364

D. **CONTAMINATION DETAILS:**  
Laboratory Analysis By: \_\_\_\_\_  
Lab #: \_\_\_\_\_  
**WEIGHT OF SOIL**----- (One cubic yard of soil is equivalent to 1.4 tons)  
Estimated Volume of Soil this application, 100 cubic yards = \_\_\_\_\_ Tons.

DATE OF EXCAVATION: 11/4/97

**TYPE OF PETROLEUM CONTAMINATION:** Reg. Gasoline, Unleaded Gasoline, Diesel Fuel,  
(Circle or Underline) No. 1 & 2 Fuel Oil, Fuel Oil 4-6, Kerosene, Hyd. Fluid,  
One or More Aviation Gas, Mineral Spirits, (Clean) Motor Oil,  
Other \_\_\_\_\_ Used Oil, (Special Handling).

**CONTAMINANT CONCENTRATION:** (Parts per million)

Benzene	<u>.25</u>	_____	_____	_____
Toluene	<u>.39</u>	_____	_____	_____
Ethyl Benzene	<u>.92</u>	_____	_____	_____
Xylene	<u>.65</u>	_____	_____	_____
Total Lead	_____	_____	_____	_____

**TOTAL HYDROCARBONS:**  
GRO ppm 560  
DRO ppm 1300

**SOIL TYPE:** (Sand, Silt, Clay, Etc.) Sand **SIEVE ANALYSIS ON THE #200 \_\_\_\_\_ % pass**  
(if available)

**ICLP TEST:** (for lead) Results \_\_\_\_\_ mg/L. (for applications with TOTAL Lead >100 ppm)

E. **THERMAL TREATMENT UNIT:**  
C. S. McCROSSAN, INC.  
Bob Dongoske, Environmental Manager  
7865 Jefferson Highway  
Maple Grove, MN 55311  
Telephone: 612-425-4167  
FAX: 612-425-3123

PLANT/AFTERBURNER MODEL: Standard 1064  
AIR QUALITY PERMIT No. 785A-93-OT-3  
PETROFUND No. PR 1145  
LINED STORAGE AREA: Maple Grove, MN

DATE 11/20/97

Bob Dongoske  
Signature of Authorized Thermal Treatment Unit Representative Accepting Soil

December 22, 1997

Don K. Milless  
Minnesota Pollution Control Agency  
Brainerd Regional Office  
1601 Minnesota Drive  
Brainerd, MN 56401

RECEIVED  
DEC 24 1997

MPCA - BRAINERD  
BRAINERD, MN

RE: UST Excavation Report  
Conoco Super Shop  
Pierz, Minnesota  
MPCA Site I.D. No. 10929

Dear Mr. Milless:

Enclosed is the Underground Storage Tank (UST) Excavation Report for the above-referenced site; please review and respond at your earliest convenience. The impacted soil was excavated and thermally treated; the report recommends site closure.

If you have any questions or concerns about the project site, please call me at (612) 227-6500.

Sincerely,



Donovan Hannu, P.E.  
Associate Civil Engineer

cc: DPRA file 5618.003



**Tanks and Emergency Response Section**  
**Minnesota Pollution Control Agency**

## **EXCAVATION REPORT WORKSHEET FOR PETROLEUM RELEASE SITES**

Fact Sheet #3.7

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.

### **PART I: BACKGROUND**

A. Site: *Conoco Super Stop*

Street: *1020 West Cliff Road*  
City, Zip: *Burnsville, MN 55337*  
County: *Dakota*

MPCA Site ID#: LEAK00010929

B. Tank Owner/Operator: *Conoco Super Shop*  
Contact: *Dennis Kahlhammer*

Mailing Address: *Conoco Super Shop*  
Street/Box: *Box 399, Main Street*  
City, Zip: *Pierz, MN 56364*  
Telephone: *(320) 468-6873*

C. Excavating Contractor:  
*Petroleum Equipment Sales & Service*

Contact: *Paul Tollefson*  
Telephone: *(612) 831-5797*  
Tank Contractor Certification Number: *0037*

D. Consultant:  
*DPRA Environmental Consulting*

Contact: *Donovan Hannu*  
Street/Box: *E1500 1st Nat'l Bank Bldg*  
City, Zip: *St. Paul, MN 55101*  
Telephone: *(612) 227-6500*

E. Others on-site during site work (e.g., fire marshal, local officials, MPCA 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 MPCA:

*Due to PID readings collected during the UST removal, a release was reported to the MPCA on November 4, 1997.*

B. Dates site work performed:

<u>Work Performed</u>	<u>Date</u>
<i>Removed 2,000-gallon Kerosene UST</i>	<i>November 3, 1997</i>
<i>Removed 8,000-gallon Gasoline UST</i>	<i>November 4, 1997</i>
<i>Removed 8,000-gallon Gasoline UST</i>	<i>November 4, 1997</i>
<i>Removed 8,000-gallon Gasoline UST</i>	<i>November 4, 1997</i>
<i>Removed 8,000-gallon Diesel UST</i>	<i>November 4, 1997</i>

**PART III: SITE AND RELEASE INFORMATION**

A. Describe the land use and pertinent geographic features within 1000 feet of the site.  
(i.e. residential property, industrial, wetlands, etc.)

*Residential and commercial property.*

**Table 1.**

B. Provide the following information for all tanks at the site at the time of the release:

<b>Tank #</b>	<b>UST or AST</b>	<b>Capacity (gallons)</b>	<b>Contents (product type)</b>	<b>Age</b>	<b>Status</b>	<b>Condition of Tank</b>
1	UST	2,000	Kerosene	14 yrs	Removed (11/03/97)	Fair- Minor pitting
2	UST	10,000	Gasoline	Unknown	Removed (11/04/97)	Fair- Minor pitting
3	UST	10,000	Gasoline	Unknown	Removed (11/04/97)	Fair- Minor pitting
4	UST	10,000	Gasoline	Unknown	Removed (11/04/97)	Fair- Minor pitting
5	UST	10,000	Diesel	Unknown	Removed (11/04/97)	Fair- Minor pitting

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

*The piping and dispensers were in good condition.*

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

*Soil around fill pipes showed staining from possible historical tank overfills.*

E. What was the volume of the release? (if known): *Unknown*

F. When did the release occur? (if known): *Unknown*

G. Describe source of on-site drinking water. *Unknown*

#### **PART IV: EXCAVATION INFORMATION**

A. Dimensions of excavation: *39' wide x 45' long x 12' deep*

B. Original tank backfill material (sand, gravel, etc.): *Sand*

C. Native soil type (clay, sand, etc.): *Sand with gravel*

D. Quantity of contaminated soil removed for treatment (cubic yards): *106 cubic yards*

E. Were new tanks installed at the site? *Yes*

If yes, how much soil was excavated to accommodate the installation of the new tanks?

*- ALL*

F. Was ground water encountered or was there evidence of a seasonally high ground water table? *Ground water was not encountered*

G. If ground water was not encountered during the excavation, what is the expected depth of ground water?

*The U.S. Geological Survey (USGS) Pierz, Minnesota, 7.5 minute quadrangle topographic map shows the ground surface to be at 1175 feet above MSL. The Water Resources of the Mississippi and Sauk Rivers Watershed, Central Minnesota Bedrock Hydrologic Investigations Atlas shows the groundwater to be at 1150 feet above MSL. The groundwater is then approximately 25 feet below the surface at the site.*

H. If a soil boring was required (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.

- 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.

*Not applicable.*

- K. Was bedrock encountered in the excavation? *No*

- L. Were other unique conditions associated with this site? *No*

## PART 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 MPCA 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 Code	Soil Type	Reading (ppm)
SV-1 (0-1')	Fill, Brown sand with minor gravel	20
SV-2 (0-1')	Fill, Brown sand with minor gravel	7
SV-3 (3-5')	Brown sand with minor gravel	0
SV-4 (3-5')	Brown sand with minor gravel	0
SV-5 (3-5')	Brown sand with minor gravel	0
SV-6 (7-8')	Brown sand with minor gravel	0.5
<b>SS-1 (8-9')</b>	Brown sand with minor gravel	0
SV-7 (3-6')	Fill, Brown sand with minor gravel	0
SV-8 (3-6')	Fill, Brown sand with minor gravel	3
SV-9 (3-5')	Fill, Brown sand with minor gravel	1
SV-10 (7-10')	Fill, Brown sand with minor gravel	0
SV-11(2-5')	Fill, Brown sand with minor gravel	37
SV-12 (2-5')	Fill, Brown sand with minor gravel	1
SV-13 (2-5')	Fill, Brown sand with minor gravel	29
<b>SS-2 (14')</b>	Brown sand with minor gravel	0



Sample Code	Soil Type	Reading (ppm)
SV-14 (1-4')	Fill, Brown sand with minor gravel	110
SV-15 (1-4')	Fill, Brown sand with minor gravel	31
SV-16 (3-6')	Fill, Brown sand with minor gravel	8
SV-17 (3-6')	Fill, Brown sand with minor gravel	9
SV-18 (7-10')	Brown sand with minor gravel	2
<b>SS-3 (14')</b>	Brown sand with minor gravel	8
Stockpile	Fill, Brown sand with minor gravel	82
SV-19 (2-5')	Fill, Brown sand with minor gravel	101
SV-20 (1-3')	Fill, Brown sand with minor gravel	120
SV-21 (1-3')	Fill, Brown sand with minor gravel	141
SV-22 (1-3')	Fill, Brown sand with minor gravel	0
SV-23 (5-9')	Fill, Brown sand with minor gravel	0
SV-24 (5-9')	Fill, Brown sand with minor gravel	0
SV-25 (5-8')	Fill, Brown sand with minor gravel	0
SV-26 (5-8')	Fill, Brown sand with minor gravel	7
SV-27 (4-7')	Fill, Brown sand with minor gravel	51
SV-28 (7-9')	Fill, Brown sand with minor gravel	12
SV-29 (9-11')	Fill, Brown sand with minor gravel	1
<b>SS-4 (11-13')</b>	Brown sand with minor gravel	0
<b>SS-5 (11-13')</b>	Brown sand with minor gravel	2
SV-30 (5-6')	Brown sand with minor gravel	0
SV-31 (5-6')	Brown sand with minor gravel	0
SV-32 (5-6')	Brown sand with minor gravel	0
SV-33 (5-6')	Brown sand with minor gravel	3

C. Was the "removed soil" placed back into the excavation basin? (yes/no) *No*

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").

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™ 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), etc. Be sure the sample codes correspond to the site map required in part VI. Do not include analyses from the stockpiled soils.

Sample Code	GRO ppm	DRO ppm	Benzene ppm	Ethyl-benzene ppm	Toluene ppm	Xylene ppm	MTBE ppm	Lead ppm
SS-1 (T #1)	<2.7	<3.4	<0.025	<0.025	<0.025	0.025	---	---
SS-2 (T #2)	<2.6	<3.6	<0.025	<0.025	<0.025	0.025	---	---
SS-3 (T #3)	<2.7	<3.6	<0.025	<0.025	<0.025	0.025	---	---
SS-4 (T #4)	<2.6	<3.4	<0.025	<0.025	<0.025	0.025	---	---
SS-5 (T #5)	<2.7	<3.4	<0.025	<0.025	<0.025	0.025	---	---
Stockpile	560	1,300	<0.250	0.920	0.390	65	0.400	20

--- = Not Analyzed

< = Below detectable limits

## 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), (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.

## 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 MPCA staff will review this report following notification of soil treatment.

*The source of contamination appeared to be historical tank overfills. The analytical results detected concentrations of 560 ppm GRO and 1,300 ppm DRO in the soil stockpiled from the excavation of the tank basin. DPRA recommends no further action at this site based on the following criteria:*

- *All petroleum impacted soil was removed from the UST basin.*
- *Analytical results from soil samples collected from the base of the excavation detected no concentrations of hydrocarbons above detectable limits.*

#### **PART VIII: SOIL TREATMENT INFORMATION**

- A. Soil treatment method used (thermal, land application, composting, other). *Thermal*
- B. Location of treatment site/facility: *C.S. McCrossan, Inc  
7865 Jefferson Highway  
Maple Grove, MN.*
- C. Date MPCA approved soil treatment (if thermal treatment was used after May 1, 1991, indicate date that the MPCA permitted thermal treatment facility agreed to accept soil  
*November 20, 1997.*
- D. Identify the location of stockpiled contaminated soil: *Not applicable - Removed*

**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 leaksite. 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 leaksite 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. Rules 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



12 / 22 / 97

Donovan Hannu, P.E.  
Associate Civil Engineer



12 / 22 / 97

Company and mailing address:

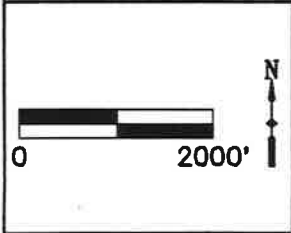
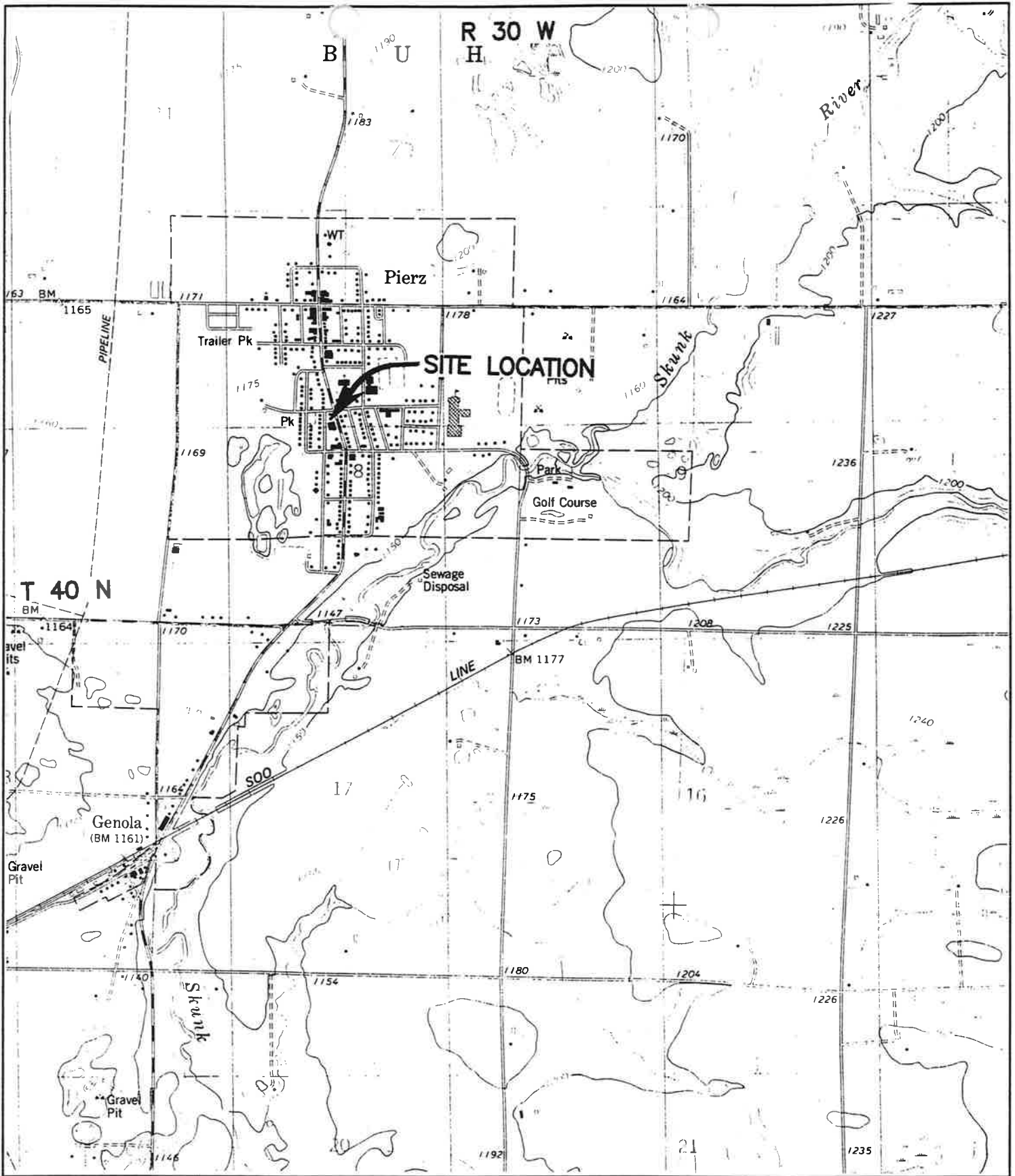
*DPRA Incorporated  
E1500 1st Nat'l Bank Building  
332 Minnesota Street  
St. Paul, MN 55101*

*Phone:*

*612/227-6500*

*Fax:*


*612/227-5522*



**FIGURE 1**  
**SITE LOCATION MAP**

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**CONOCO SUPER STOP**  
**BOX 399, MAIN STREET**  
**PIERZ, MINNESOTA**

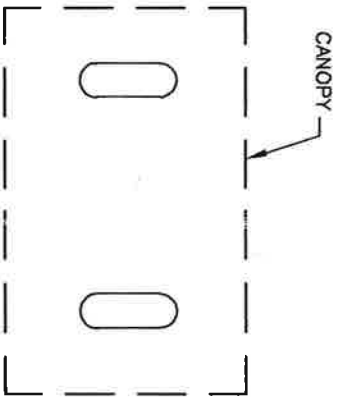
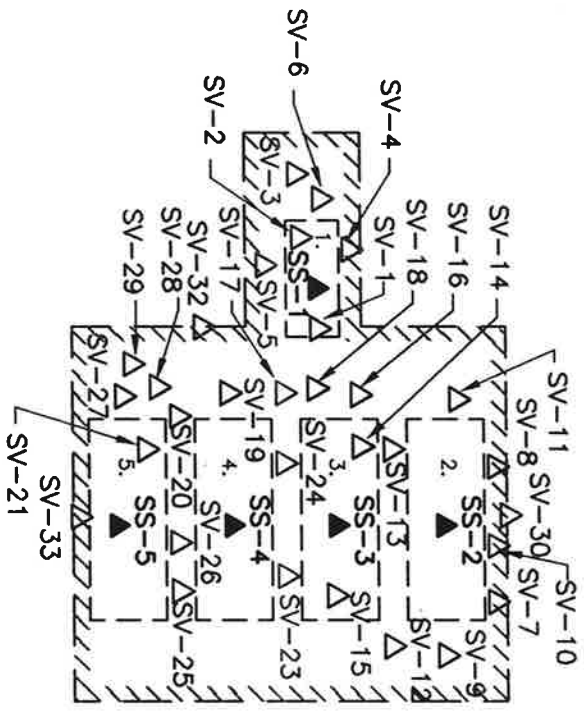


**DATE: DECEMBER 15, 1997**  
**PROJECT NO. 5618.003**

ROBERT STREET

LAKES HEADWEAR

CONOCO SUPER STOP STORE



BALL ROOM

CHIROPRACTOR

MAIN STREET



**LEGEND**

FORMER UNDERGROUND STORAGE TANK

EXCAVATION LIMITS

PUMP ISLAND

SOIL SAMPLE

SOIL VAPOR SAMPLE

**UNDERGROUND STORAGE TANK IDENTIFICATION**

1. 2,000-GALLON KEROSENE
2. 8,000-GALLON GASOLINE
3. 8,000-GALLON GASOLINE
4. 8,000-GALLON GASOLINE
5. 8,000-GALLON DIESEL

NOTE: APPROXIMATE BUILDING AND UTILITY LOCATIONS. CALL LOCAL UTILITY OPERATOR TO VERIFY UTILITIES BEFORE STARTING ANY SUBSURFACE WORK.

FIGURE 2  
SITE MAP

CONOCO SUPER STOP  
BOX 399, MAIN STREET  
PIERZ, MINNESOTA



DATE: DECEMBER 15, 1997  
PROJECT NUMBER: 5618.003

H5618003S.DWG





E-1500 First National Bank Building  
St. Paul, Minnesota 55101

CHAIN OF CUSTODY

Bill to: DPRA @ DPRA

Report to: Marty Bonnell  
(612) 227-6500  
FAX (612) 227-5522

*returned 12 boxes*

PROJECT NUMBER: 5618.003	Project Name: <u>Super Stop</u>		LABORATORY NAME/LOCATION	SAMPLE LOCATION	TYPE OF SAMPLE: (A) WATER; (S) SOIL; (O) OTHER	CONTAINERS OF NUMBER	PRESERVATIVES						REMARKS	
	DATE	TIME					CO	DETX	DRD	NIFE	LEAD	OTHER		
SAMPLER(S) NAME (Print) <u>Jason A. Gaulty</u>														
Signature <u>Jason A. Gaulty</u>														
SAMPLE I.D.	DATE	TIME												
- 001	11-3-97	1225	SS-1 (2' below T.#1)		S	3	X	X	X					874257
- 002	11-4-97	0940	SS-2 (2' below T.#2)		S	3	X	X	X					
- 003	↓	0845	SS-3 (2' below T.#3)		S	3	X	X	X					
- 004	↓	0910	Stockpile		S	3	X	X	X					
- 005	↓	1140	SS-4 (2' below T.#4)		S	3	X	X	X					
- 006	↓	1200	SS-5 (2' below T.#5)		S	3	X	X	X					
Relinquished by: (Signature) <u>Jason A. Gaulty</u>	Date / Time 11-7-97 1000	Received by: (Signature) <u>Jason A. Gaulty</u>	Date / Time 11-7-97	Relinquished by: (Signature) <u>Jason A. Gaulty</u>	Date / Time 11-10-97	Received by: (Signature) <u>Jason A. Gaulty</u>	Remarks 20°C							

**- Analytical Report -**

Project Name : SUPER STOP

Project Number : 5618.003

MDH LAB ID : 055-999-334

Client: DPRA INCORPORATED

Report Date : 11/18/97

Sample No.	Field ID	Collection Date	Sample No.	Field ID	Collection Date
874257-001	SS-1	11/3/97			
874257-002	SS-2	11/4/97			
874257-003	SS-3	11/4/97			
874257-004	STOCKPILE	11/4/97			
874257-005	SS-4	11/4/97			
874257-006	SS-5	11/4/97			

Soil VOC detects are corrected for the total solids, unless otherwise noted.

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample narrative. Release of this final report is authorized by Laboratory management, as is verified by the following signature.

  
Approval Signature

  
Date



**EN CHEM**  
INC.

1795 Industrial Drive  
Green Bay, WI 54302  
920-469-2436  
800-7-ENCHEM  
FAX: 920-469-8827

Lab#: TestGroupID:

874257-004 GRO-S-ME

DRO-S

Comment:

Sample exhibits hydrocarbon pattern resembling gasoline. Late peaks were present outside of window.

Front peaks and late eluting hump present in the chromatogram.

**- Analytical Report -**

Project Name : SUPER STOP

Project Number : 5618.003

Field ID : SS-1

Lab Sample Number : 874257-001

MDH LAB ID : 055-999-334

Client : DPRA INCORPORATED

Report Date : 11/18/97

Collection Date : 11/3/97

Matrix Type : SOIL

**Inorganic Results**

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Solids, percent	93.1		%		11/12/97	SM2540G	SM2540G

**Organic Results**

**BTEX - METHANOL PRESERVED SOIL**

Prep Method: SW846 5030 Prep Date: 11/12/97 Analyst: EGS

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
a,a,a-Trifluorotoluene	101	—	%Recov		11/13/97	SW846 8020
Benzene	< 25	25	ug/kg		11/13/97	SW846 8020
Ethylbenzene	< 25	25	ug/kg		11/13/97	SW846 8020
Toluene	< 25	25	ug/kg		11/13/97	SW846 8020
Xylenes, -m, -p	< 25	25	ug/kg		11/13/97	SW846 8020
Xylene, -o	< 25	25	ug/kg		11/13/97	SW846 8020

**Organic Results**

Preservation Date: 11/11/97

**DIESEL RANGE ORGANICS - SOIL**

Prep Method: Wi MOD DRO Prep Date: 11/13/97 Analyst: PHS

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
DIESEL RANGE ORGANICS	< 3.4	3.4	mg/kg		11/13/97	Wi MOD DRO
Blank spike	90	—	%Recov		11/13/97	Wi MOD DRO
Blank spike duplicate	87	—	%Recov		11/13/97	Wi MOD DRO
Blank	< 5.0	5.0	mg/kg		11/13/97	Wi MOD DRO

All soil results are reported on a dry weight basis unless otherwise noted.

**- Analytical Report -**

Project Name : SUPER STOP

Project Number : 5618.003

Field ID : SS-1

Lab Sample Number : 874257-001

MDH LAB ID : 055-999-334

Client : DPRA INCORPORATED

Report Date : 11/18/97

Collection Date : 11/3/97

Matrix Type : SOIL

**Organic Results**

GASOLINE RANGE ORGANICS - SOIL/METHANOL    Prep Method: WI MOD.GRO    Prep Date: 11/12/97    Analyst: EGS

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Gasoline Range Organics	< 2.7	2.7	mg/kg		11/13/97	DNR MOD GR
Blank Spike	93	---	%Recov		11/13/97	DNR MOD GR
Blank Spike Duplicate	104	---	%Recov		11/13/97	DNR MOD GR
Blank	< 2.5	2.5	mg/kg		11/13/97	DNR MOD GR

All soil results are reported on a dry weight basis unless otherwise noted.

**- Analytical Report -**

Project Name : SUPER STOP  
Project Number : 5618.003  
Field ID : SS-2  
Lab Sample Number : 874257-002  
MDH LAB ID : 055-999-334

Client : DPRA INCORPORATED  
Report Date : 11/18/97  
Collection Date : 11/4/97  
Matrix Type : SOIL

**Inorganic Results**

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Solids, percent	95.8		%		11/12/97	SM2540G	SM2540G

**Organic Results**

**BTEX - METHANOL PRESERVED SOIL**

Prep Method: SW846 5030 Prep Date: 11/12/97 Analyst: EGS

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
a,a,a-Trifluorotoluene	101	---	%Recov		11/13/97	SW846 8020
Benzene	< 25	25	ug/kg		11/13/97	SW846 8020
Ethylbenzene	< 25	25	ug/kg		11/13/97	SW846 8020
Toluene	< 25	25	ug/kg		11/13/97	SW846 8020
Xylenes, -m, -p	< 25	25	ug/kg		11/13/97	SW846 8020
Xylene, -o	< 25	25	ug/kg		11/13/97	SW846 8020

**Organic Results**

Preservation Date: 11/11/97

**DIESEL RANGE ORGANICS - SOIL**

Prep Method: Wi MOD DRO Prep Date: 11/13/97 Analyst: PHS

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
DIESEL RANGE ORGANICS	< 3.6	3.6	mg/kg		11/13/97	Wi MOD DRO
Blank spike	90	---	%Recov		11/13/97	Wi MOD DRO
Blank spike duplicate	87	---	%Recov		11/13/97	Wi MOD DRO
Blank	< 5.0	5.0	mg/kg		11/13/97	Wi MOD DRO

All soil results are reported on a dry weight basis unless otherwise noted.

**- Analytical Report -**

Project Name : SUPER STOP

Project Number : 5618.003

Field ID : SS-2

Lab Sample Number : 874257-002

MDH LAB ID : 055-999-334

Client : DPRA INCORPORATED

Report Date : 11/18/97

Collection Date : 11/4/97

Matrix Type : SOIL

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**Organic Results**

GASOLINE RANGE ORGANICS - SOIL/METHANOL    Prep Method: WI MOD.GRO    Prep Date: 11/12/97    Analyst: EGS

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Gasoline Range Organics	< 2.6	2.6	mg/kg		11/13/97	DNR MOD GR
Blank Spike	102	---	%Recov		11/13/97	DNR MOD GR
Blank Spike Duplicate	104	---	%Recov		11/13/97	DNR MOD GR
Blank	< 2.5	2.5	mg/kg		11/13/97	DNR MOD GR

All soil results are reported on a dry weight basis unless otherwise noted.

**- Analytical Report -**

Project Name : SUPER STOP

Project Number : 5618.003

Field ID : SS-3

Lab Sample Number : 874257-003

MDH LAB ID : 055-999-334

Client : DPRA INCORPORATED

Report Date : 11/18/97

Collection Date : 11/4/97

Matrix Type : SOIL

**Inorganic Results**

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Solids, percent	93.7		%		11/12/97	SM2540G	SM2540G

**Organic Results**

**BTEX - METHANOL PRESERVED SOIL**

Prep Method: SW846 5030 Prep Date: 11/12/97 Analyst: EGS

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
a,a,a-Trifluorotoluene	101	—	%Recov		11/13/97	SW846 8020
Benzene	< 25	25	ug/kg		11/13/97	SW846 8020
Ethylbenzene	< 25	25	ug/kg		11/13/97	SW846 8020
Toluene	< 25	25	ug/kg		11/13/97	SW846 8020
Xylenes, -m, -p	< 25	25	ug/kg		11/13/97	SW846 8020
Xylene, -o	< 25	25	ug/kg		11/13/97	SW846 8020

**Organic Results**

Preservation Date: 11/11/97

**DIESEL RANGE ORGANICS - SOIL**

Prep Method: Wi MOD DRO Prep Date: 11/13/97 Analyst: PHS

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
DIESEL RANGE ORGANICS	< 3.6	3.6	mg/kg		11/13/97	Wi MOD DRO
Blank spike	90	—	%Recov		11/13/97	Wi MOD DRO
Blank spike duplicate	87	—	%Recov		11/13/97	Wi MOD DRO
Blank	< 5.0	5.0	mg/kg		11/13/97	Wi MOD DRO

All soil results are reported on a dry weight basis unless otherwise noted.

**- Analytical Report -**

Project Name : SUPER STOP

Project Number : 5618.003

Field ID : SS-3

Lab Sample Number : 874257-003

MDH LAB ID : 055-999-334

Client : DPRA INCORPORATED

Report Date : 11/18/97

Collection Date : 11/4/97

Matrix Type : SOIL

**Organic Results**

GASOLINE RANGE ORGANICS - SOIL/METHANOL    Prep Method: WI MOD.GRO    Prep Date: 11/12/97    Analyst: EGS

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Gasoline Range Organics	< 2.7	2.7	mg/kg		11/13/97	DNR MOD GR
Blank Spike	102	---	%Recov		11/13/97	DNR MOD GR
Blank Spike Duplicate	104	---	%Recov		11/13/97	DNR MOD GR
Blank	< 2.5	2.5	mg/kg		11/13/97	DNR MOD GR

All soil results are reported on a dry weight basis unless otherwise noted.



1795 Industrial Drive  
Green Bay, WI 54302  
920-469-2436  
800-7-ENCHEM  
FAX: 920-469-8827

## - Analytical Report -

Project Name : SUPER STOP

Project Number : 5618.003

Field ID : STOCKPILE

Lab Sample Number : 874257-004

MDH LAB ID : 055-999-334

Client : DPRA INCORPORATED

Report Date : 11/18/97

Collection Date : 11/4/97

Matrix Type : SOIL

### Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Lead	20	11	mg/kg		11/14/97	SW846 3051	SW846 7421
Solids, percent	87.1		%		11/12/97	SM2540G	SM2540G

### Organic Results

#### BTEX + MTBE - SOIL/METHANOL

Prep Method: SW846 5030 Prep Date: 11/12/97 Analyst: EGS

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
a,a,a-Trifluorotoluene	107	---	%Recov		11/14/97	SW846 8020
Benzene	< 250	250	ug/kg		11/14/97	SW846 8020
Ethylbenzene	920	290	ug/kg		11/14/97	SW846 8020
Methyl-tert-butyl-ether	400	290	ug/kg		11/14/97	SW846 8020
Toluene	390	290	ug/kg		11/14/97	SW846 8020
Xylenes, -m, -p	28000	290	ug/kg		11/14/97	SW846 8020
Xylene, -o	37000	290	ug/kg		11/14/97	SW846 8020

### Organic Results

Preservation Date: 11/11/97

#### DIESEL RANGE ORGANICS - SOIL

Prep Method: Wi MOD DRO Prep Date: 11/13/97 Analyst: PHS

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
DIESEL RANGE ORGANICS	1300	53	mg/kg		11/14/97	Wi MOD DRO
Blank spike	90	---	%Recov		11/14/97	Wi MOD DRO
Blank spike duplicate	87	---	%Recov		11/14/97	Wi MOD DRO
Blank	< 5.0	5.0	mg/kg		11/14/97	Wi MOD DRO

All soil results are reported on a dry weight basis unless otherwise noted.





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## - Analytical Report -

Project Name : SUPER STOP

Project Number : 5618.003

Field ID : STOCKPILE

Lab Sample Number : 874257-004

MDH LAB ID : 055-999-334

Client : DPRA INCORPORATED

Report Date : 11/18/97

Collection Date : 11/4/97

Matrix Type : SOIL

---

### Organic Results

GASOLINE RANGE ORGANICS - SOIL/METHANOL    Prep Method: WI MOD.GRO    Prep Date: 11/12/97    Analyst: EGS

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Gasoline Range Organics	560	29	mg/kg		11/14/97	DNR MOD GR
Blank Spike	102	—	%Recov		11/14/97	DNR MOD GR
Blank Spike Duplicate	104	—	%Recov		11/14/97	DNR MOD GR
Blank	< 2.5	2.5	mg/kg		11/14/97	DNR MOD GR

All soil results are reported on a dry weight basis unless otherwise noted.

**- Analytical Report -**

Project Name : SUPER STOP

Project Number : 5618.003

Field ID : SS-4

Lab Sample Number : 874257-005

MDH LAB ID : 055-999-334

Client : DPRA INCORPORATED

Report Date : 11/18/97

Collection Date : 11/4/97

Matrix Type : SOIL

**Inorganic Results**

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Solids, percent	95.0		%		11/12/97	SM2540G	SM2540G

**Organic Results**

**BTEX - METHANOL PRESERVED SOIL**

Prep Method: SW846 5030 Prep Date: 11/12/97 Analyst: EGS

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
a,a,a-Trifluorotoluene	102	---	%Recov		11/14/97	SW846 8020
Benzene	< 25	25	ug/kg		11/14/97	SW846 8020
Ethylbenzene	< 25	25	ug/kg		11/14/97	SW846 8020
Toluene	< 25	25	ug/kg		11/14/97	SW846 8020
Xylenes, -m, -p	< 25	25	ug/kg		11/14/97	SW846 8020
Xylene, -o	< 25	25	ug/kg		11/14/97	SW846 8020

**Organic Results**

**DIESEL RANGE ORGANICS - SOIL**

Preservation Date: 11/11/97

Prep Method: Wi MOD DRO Prep Date: 11/13/97 Analyst: PHS

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
DIESEL RANGE ORGANICS	< 3.4	3.4	mg/kg		11/13/97	Wi MOD DRO
Blank spike	90	---	%Recov		11/13/97	Wi MOD DRO
Blank spike duplicate	87	---	%Recov		11/13/97	Wi MOD DRO
Blank	< 5.0	5.0	mg/kg		11/13/97	Wi MOD DRO

All soil results are reported on a dry weight basis unless otherwise noted.

**- Analytical Report -**

Project Name : SUPER STOP

Project Number : 5618.003

Field ID : SS-4

Lab Sample Number : 874257-005

MDH LAB ID : 055-999-334

Client : DPRA INCORPORATED

Report Date : 11/18/97

Collection Date : 11/4/97

Matrix Type : SOIL

**Organic Results**

GASOLINE RANGE ORGANICS - SOIL/METHANOL    Prep Method: WI MOD.GRO    Prep Date: 11/12/97    Analyst: EGS

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Gasoline Range Organics	< 2.6	2.6	mg/kg		11/14/97	DNR MOD GR
Blank Spike	102	—	%Recov		11/14/97	DNR MOD GR
Blank Spike Duplicate	104	—	%Recov		11/14/97	DNR MOD GR
Blank	< 2.5	2.5	mg/kg		11/14/97	DNR MOD GR

All soil results are reported on a dry weight basis unless otherwise noted.

**- Analytical Report -**

Project Name : SUPER STOP

Project Number : 5618.003

Field ID : SS-5

Lab Sample Number : 874257-006

MDH LAB ID : 055-999-334

Client : DPRA INCORPORATED

Report Date : 11/18/97

Collection Date : 11/4/97

Matrix Type : SOIL

**Inorganic Results**

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Solids, percent	93.8		%		11/12/97	SM2540G	SM2540G

**Organic Results**

**BTEX - METHANOL PRESERVED SOIL**

Prep Method: SW846 5030 Prep Date: 11/12/97 Analyst: EGS

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
a,a,a-Trifluorotoluene	101	---	%Recov		11/13/97	SW846 8020
Benzene	< 25	25	ug/kg		11/13/97	SW846 8020
Ethylbenzene	< 25	25	ug/kg		11/13/97	SW846 8020
Toluene	< 25	25	ug/kg		11/13/97	SW846 8020
Xylenes, -m, -p	< 25	25	ug/kg		11/13/97	SW846 8020
Xylene, -o	< 25	25	ug/kg		11/13/97	SW846 8020

**Organic Results**

Preservation Date: 11/11/97

**DIESEL RANGE ORGANICS - SOIL**

Prep Method: Wi MOD DRO Prep Date: 11/13/97 Analyst: PHS

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
DIESEL RANGE ORGANICS	< 3.4	3.4	mg/kg		11/13/97	Wi MOD DRO
Blank spike	90	---	%Recov		11/13/97	Wi MOD DRO
Blank spike duplicate	87	---	%Recov		11/13/97	Wi MOD DRO
Blank	< 5.0	5.0	mg/kg		11/13/97	Wi MOD DRO

All soil results are reported on a dry weight basis unless otherwise noted.

**- Analytical Report -**

**Project Name : SUPER STOP**

**Project Number : 5618.003**

**Field ID : SS-5**

**Lab Sample Number : 874257-006**

**MDH LAB ID : 055-999-334**

**Client : DPRA INCORPORATED**

**Report Date : 11/18/97**

**Collection Date : 11/4/97**

**Matrix Type : SOIL**

**Organic Results**

**GASOLINE RANGE ORGANICS - SOIL/METHANOL    Prep Method: WI MOD.GRO    Prep Date: 11/12/97    Analyst: EGS**

<b>Analyte</b>	<b>Result</b>	<b>EQL</b>	<b>Units</b>	<b>Code</b>	<b>Analysis Date</b>	<b>Analysis Method</b>
Gasoline Range Organics	< 2.7	2.7	mg/kg		11/13/97	DNR MOD GR
Blank Spike	93	—	%Recov		11/13/97	DNR MOD GR
Blank Spike Duplicate	104	—	%Recov		11/13/97	DNR MOD GR
Blank	< 2.5	2.5	mg/kg		11/13/97	DNR MOD GR

All soil results are reported on a dry weight basis unless otherwise noted.

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

DKM

SITE ID#	RELEASE SITE	APPLICANT	REGION
LEAK00010667	Freeborn County Coop Oil	Freeborn County Coop Oil	V
LEAK00010693	Motor Pool	Grand Rapids ISD #318	I
LEAK00010740	Hilgemann Residence	Marvin Hilgemann	IV
LEAK00010762	United Coop	United Coop	IV
LEAK00010929	Conoco Super Stop	Conoco Super Stop	II
LEAK00011000	Minneapolis Employee Retirement	The Parks Apartments	Metro

1. Eligibility Determination

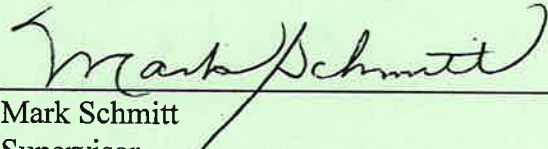
I hereby determine that the corrective action described in the application was appropriate in terms of protecting public health, welfare, and the environment and that the applicant is eligible for Petrofund reimbursement, pursuant to Minn. Stat. § 115C.09, subd. 2, items (a) and (c) (Supp. 1997).

2. Compliance with Applicable Requirements: **ADEQUATE**

Information readily available to the Minnesota Pollution Control Agency staff shows that the applicant has complied with the applicable requirements of Minn. Stat. § 115C.09, subd. 3(I) (Supp. 1997).

The determinations in this report are made solely for the purpose of determining eligibility for reimbursement under Minn. Stat. § 115C.09, subs. 2 and 3 (Supp. 1997). Nothing in this site report releases any person from liability, and the Minnesota Pollution Control Agency 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: 6/3/98

  
Mark Schmitt  
Supervisor  
Tanks and Emergency Response Section

# Petroleum Tank Release Compliance Checklist

SITE NAME Conoco Super Stop - Pierz LEAK0000110929  
USE THE FOLLOWING GUIDELINES TO DETERMINE IF THE LEAKING TANK IS IN COMPLIANCE

UNREGULATED TANKS.....are ASTs/USTs 110 gallons or less, OR heating oil ASTs/USTs 1,100 gallons or less with product consumed on the premises, OR farm/residential ASTs/USTs 1,100 gallons or less containing motor fuel not for resale.

STATE REGULATED TANKS.....are heating oil USTs with a capacity more than 1,100 gallons or all ASTs not specified above.

FEDERALLY REGULATED TANKS.....are all USTs not specified above.

STATUS OF RESPONSIBLE PARTY: Regular Applicant  Limited Use Applicant

## UNREGULATED TANKS, STATE TANKS, FEDERAL TANKS

Release Notification: Date release discovered: MPCA 10/4/97 Petro App 11/4/97  
Date release reported: MPCA 10/4/97 Petro App 11/4/97  
When/how was release discovered? tank removal  
Was there environmental damage due to delay? Yes  No   
 Adequate  Inadequate Recommend Reduction? Yes  No   
Comments: \_\_\_\_\_  
Cooperation Issues: Yes  No   
If Yes, please prepare a narrative to be appended to the Commissioner's Site Report.

## STATE TANKS, FEDERAL TANKS

Corrosion Protection: Tanks: Yes  No  N/A  Piping: Yes  No  N/A   
Applicable for steel piping/steel USTs installed after 12/22/88. Steel piping/steel USTs installed before 8/1/85 require corrosion protection no later than 12/22/98. Heating oil USTs installed before 8/1/85 don't ever require corrosion protection. Steel piping/steel USTs installed between 8/1/85 and 12/22/88 should be cited as inadequate, but not recommended for reduction. ASTs do not require corrosion protection.  
 Adequate  Inadequate Recommend Reduction? Yes  No

STATE TANKS, FEDERAL TANKS (cont.)

AST Secondary Containment: Yes \_\_\_\_\_ No \_\_\_\_\_ N/A   
 Adequate \_\_\_ Inadequate Recommend Reduction? Yes \_\_\_ No \_\_\_

FEDERAL TANKS

Spill Prevention: Yes \_\_\_\_\_ No \_\_\_\_\_ N/A   
 Applicable for USTs installed after 12/22/88. USTs installed before 12/22/88 require spill prevention by 12/22/98.  
 Adequate \_\_\_ Inadequate Recommend Reduction? Yes \_\_\_ No \_\_\_

Overfill Protection: Yes \_\_\_\_\_ No \_\_\_\_\_ N/A   
 Applicable for USTs installed after 12/22/88. USTs installed before 12/22/88 require spill protection by 12/22/98.  
 Adequate \_\_\_ Inadequate Recommend Reduction? Yes \_\_\_ No \_\_\_

Leak Detection: Tanks: Tank Leak Detection: Yes  No \_\_\_\_\_ N/A \_\_\_\_\_  
 Tank Tightness Testing Yes  No \_\_\_\_\_ N/A \_\_\_\_\_

<u>If tank was installed</u>	<u>Then the leaks detection deadline is</u>
before 1965 or unknown	12/22/89
1965-1969	12/22/90
1970-1974	12/22/91
1975-1979	12/22/92
<u>1980-12/22/88</u>	<u>12/22/93</u>

Tanks installed after 12/22/88 should have leak detection at installation.

Piping: Pipe leak detection: Yes:  No \_\_\_\_\_ N/A \_\_\_\_\_  
 Pipe tightness testing: Yes  No \_\_\_\_\_ N/A \_\_\_\_\_

Applicable for pressurized piping installed after 12/22/88. Pressurized piping installed before 12/22/88 must have leak detection by 12/22/90.  
 Adequate \_\_\_ Inadequate Recommend Reduction? Yes \_\_\_ No \_\_\_

Comments \_\_\_\_\_

Tanks Properly Closed: Yes  No \_\_\_\_\_ Tanks must be removed or properly closed in place within one year of the date they are taken out of service.  
 Applicable for USTs only.  
 Adequate \_\_\_ Inadequate Recommend Reduction? Yes \_\_\_ No \_\_\_



OFFICE USE ONLY:

LEAK # 10929 PHASE I  
 ENTERED 4/29/98 gc

State of Minnesota

APR 29 1998

Dept. of Commerce

**MINNESOTA PETROLEUM TANK RELEASE COMPENSATION BOARD  
 APPLICATION FOR REIMBURSEMENT**

**I. APPLICANT INFORMATION**

Name Dennis Kahlhammer

Mailing Address Conoco Super Shop, Box 339, Main Street

City Pierz, State MN Zip 56364

Contact Person (if different from above "Name") \_\_\_\_\_

Day Phone ( 320 ) 468-6873 Ext: \_\_\_\_\_ Fax \_\_\_\_\_

**Check One:**

- Responsible Person
- Volunteer
- Non-Responsible Person  
 (see Application Guide)

**Check One:**

- Corporation
- Partnership
- Individual
- Municipality
- State, federal, or other public agency

01/95 to Present Dates applicant owned or operated tanks [complete if "Responsible Person" box is checked]

/ / to / / Dates applicant owned property [complete if "Volunteer" box is checked]

**II. LEAK SITE INFORMATION**

10929 Petrofund Leak Number Donald Milless MPCA Project Manager

Tank Facility Name Conoco Super Shop

Address Box 399, Main Street

City Pierz, MN Zip 56364

Day Phone ( 320 ) 468-6873 County of Leak Site: Morrison

11 / 04 / 97 Date petroleum leak detected

11 / 04 / 97 Date petroleum leak reported to MPCA

Yes  No Is tank leak on personal residential property?

106 cubic yards Total amount of contaminated soil excavated at this site

0 - 141 ppm Range of soil contamination concentration (total hydrocarbons)

-- ppb Range of groundwater contamination concentration (total hydrocarbons)

**III. ASSIGNMENT CERTIFICATION / TERMINATION**

CHECK ALL THAT APPLY:

Petrofund Assignment Agreement for this application has been executed (attach original of new assignment form)

Assignment form is already on file with the Department of Commerce

List Assignees: \_\_\_\_\_  
 \_\_\_\_\_

Not applicable

#### IV. APPLICATION PHASES

Check appropriate box and complete the information requested for the box checked (*see Application Guide for further information*)

**Preremoval site assessment**  
 / / Date of assessment report  
 / / Date of property sale, if applicable

**Phase 1 Soil Corrective Action Costs or Remedial Investigation Costs**  
 / / Date of MPCA soil treatment letter (*attach copy*)

**Phase 2 Installation Costs of MPCA-approved Soil or Groundwater Comprehensive Corrective Action Design System (CCAP/CAD) or Groundwater Monitoring and System Maintenance Costs**  
 / / Date of CCAP/CAD approval letter (*attach copy*)  
 03 / 12 / 98 Date of MPCA site closure letter (*attach copy*)

#### V. SOURCE AND CAUSE

What was the source of the petroleum release at this site? (*see Application Guide*) Possible Historical Overfills

How was the release discovered? PID Readings during UST Excavation

If the release was not reported to the MPCA within 24 hours of discovery, state the reason why: N/A

To the best of your knowledge, list all persons other than the applicant who were owners or operators of the tank during or after the petroleum release: None

Yes  No Did any of the persons listed above incur corrective action costs related to this petroleum release?

If yes, list name(s) and address(es) if known: \_\_\_\_\_

#### VI. TYPE OF REMEDIATION SYSTEM

Please check the type of soil or groundwater remediation system used at this site or projected for it.

Soil Remediation Technologies	Groundwater Remediation Technologies
<input type="checkbox"/> Biopiles <input type="checkbox"/> Bioventing <input checked="" type="checkbox"/> Incineration <input type="checkbox"/> Landfarming <input type="checkbox"/> Low-temperature thermal desorption <input type="checkbox"/> Soil vapor extraction <input type="checkbox"/> Soil washing <input type="checkbox"/> Natural attenuation	<input type="checkbox"/> Air sparging <input type="checkbox"/> Biosparging <input type="checkbox"/> Dual phase extraction <input type="checkbox"/> In-situ groundwater bioremediation <input type="checkbox"/> Natural attenuation

#### VII. COMPETITIVE BIDDING

List all written bids/proposals obtained to perform corrective action at this site (*attach additional sheets if necessary*).

Attach copies of all signed and dated bids/proposals.

	Bidder Selected*	Name	Amount of Bid	Date of Bid	Task
Consultants	x	DPR A Incorporated	\$ 1,931.00	04/10/97	UST Removal Ass.
	x	DPR A Incorporated	\$ 5,720.00	11/24/97	UST Change Order
	x	DPR A Incorporated	\$ 2,127.50	01/29/98	ASA Investigation
Contractors	x	En Chem Inc.	attached	01/01/97	Lab
		Horizon Laboratories, Inc.	attached	01/20/97	Lab
	x	Becker Aggregate Trucking, Inc.	\$50/hr	11/20/97	Excavate & Haul
	x	C.S.McCrossan, Inc. Trucking-MEAN	\$37.50/yd	11/20/97	Thermal Treatment
		Earthburners	\$40./yd <sup>3</sup>	11/20/97	Thermal Treatment
	x	Bergerson Caswell	\$625.00	01/28/98	Drilling
		Thein Well	\$785.00	01/28/98	Drilling

\*If lowest bid/proposal was not selected, explain that decision on a separate sheet.

**VIII. MPCA TANK INFORMATION AND COMPLIANCE**

Yes  No Have you submitted an underground storage tank audit?

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 documents "Do Underground Storage Tank 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 requirements.

**If you are unsure how tank rules apply to your tanks, please call the UST Compliance and Assistance Unit at (612) 297-8679. Please tell the receptionist you have questions about this form.**

*(List all tanks at the site. Please attach additional sheets if necessary.)*

Tank #	Petroleum Product	Capacity	Tank Material	Date Installed	Date Registered	Date Removed (if applicable)
1	Kerosene	2,000	Steel	1983	Unk	11/03/97
2	Gasoline	10,000	Steel	1983	Unk	11/04/97
3	Gasoline	10,000	Steel	1983	Unk	11/04/97
4	Gasoline	10,000	Steel	1983	Unk	11/04/97
5	Diesel	10,000	Steel	1983	Unk	11/04/97

**TANKS**

Tank #	Leak Detection (select method below)	Corrosion Protection (select method below)	Spill Bucket (Yes/No)	Overflow Protection (select method below)
1	2	3	No	1
2	2	3	No	1
3	2	3	No	1
4	2	3	No	1
5	2	3	No	1

<p><b>Leak detection method (select all that apply):</b></p> <ol style="list-style-type: none"> <li>None</li> <li>Inventory control plus annual tightness testing</li> <li>Inventory control plus tightness testing every 5 years</li> <li>Manual tank gauging</li> <li>Manual tank gauging plus annual tightness testing</li> <li>Manual tank gauging plus tightness testing every 5 years</li> <li>Statistical inventory reconciliation (SIR)</li> <li>Automatic tank gauging</li> <li>Interstitial monitoring</li> <li>Vapor monitoring</li> <li>Ground water monitoring</li> <li>Other (specify): _____</li> </ol>	<p><b>Corrosion protection method:</b></p> <ol style="list-style-type: none"> <li>None</li> <li>Fiberglass, jacketed steel or composite tank</li> <li>STI-P 3 tank</li> <li>Anodes installed</li> <li>Impressed current system</li> <li>Lined tank</li> <li>Other (specify): _____</li> </ol>	<p><b>Overflow protection method:</b></p> <ol style="list-style-type: none"> <li>None</li> <li>Ball float valve</li> <li>Automatic shutoff</li> <li>Audible alarm</li> <li>Other (specify): _____</li> </ol>
--	---	--

If tank tightness tests were performed, indicate dates of all tests: 1996 \_\_\_\_\_

## PIPING

Tank #	Pressurized Piping Leak Detection		Suction Piping Leak Detection	Corrosion Protection (select method below)
	Continuous Leak Detection (select method below)	Periodic Leak Detection (select method below)	Check valve located at: <input type="checkbox"/> Tank <input type="checkbox"/> Pump (select method below)	
1	5	2		1
2	5	2		1
3	5	2		1
4	5	2		1
5	5	2		1
<b>Continuous method:</b> 1. None 2. Automatic flow restrictor 3. Automatic shutoff device 4. Continuous alarm 5. Mechanical Leak Detector		<b>Periodic method:</b> 1. None 2. Annual tightness test 3. Statistical inventory reconciliation (SIR) 4. Electronic line leak detector 5. Interstitial monitoring 6. Groundwater monitoring	<b>Suction leak detection method:</b> 1. None 2. Tightness test every 3 years 3. Statistical inventory reconciliation (SIR) 4. Interstitial monitoring 5. Vapor monitoring 6. Groundwater monitoring	<b>Corrosion protection method:</b> 1. None 2. Steel with anodes 3. Coated steel with anodes 4. Impressed current 5. Fiberglass or flexible piping

If piping tightness tests were performed, indicate dates of all tests: 1996 \_\_\_\_\_

Petroleum Equipment Identify MPCA-certified tank removal contractor who performed tank excavation

# 37 Tank removal contractor's MPCA certification number

B. Aboveground Storage Tanks. Complete the following information to reflect the status of all aboveground tanks at this site at the time the release was discovered.

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)
- ◆ whether the volume of the secondary containment area is adequate for the contents of the largest tank (Yes/No)

Tank #	Contents	Capacity	Date Installed	Registered (Yes/No/Unk)	Description of Secondary Containment			Volume
					Walls (Yes/No)	Base	Verification	
1								
2								
3								

**IX. ELIGIBLE COSTS**

11 / 03 / 97 to 02 / 20 / 98 Dates of work covered by invoices submitted with this application

Yes  No Does this application contain costs listed as ineligible under Minn. Rule 2890.0071? (*see Application Guide*)

Yes  No Are any of the costs included in this application in dispute? If so, describe the disputed issue(s) on a separate sheet.

Yes  No Are ongoing corrective action costs expected at this site? If so, explain briefly below.

Type of Work	Approximate Cost
_____	\$ _____
_____	\$ _____
_____	\$ _____

Please provide a chronological description (including dates) of the clean-up activities covered on this application, including any special circumstances (*attach additional sheets if necessary*):

November 1997 - Contaminated Soil Excavation & Treatment; February 1998 - Advance one soil boring, as per MPCA request. UST remedial investigation not required only UST removal assessment with one soil boring. MPCA closed leak site on March 12, 1998.

Yes  No Has the applicant made a claim against any third party for costs for which the applicant is seeking reimbursement or for any costs associated with this release? If so, attach a separate sheet identifying all third parties and provide a copy of all correspondence between the applicant and third parties.

Yes  No Is the applicant aware of any action the applicant committed or of any action committed by a consultant or contractor which may have caused or aggravated the contamination at this site? If so, please explain:

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

**X. INSURANCE**

A.  Yes  No Did the applicant have in effect one or more insurance policies at the time of the release?  
*If "No," skip to question D. If "Yes," proceed to the next question.*

B.  Yes  No Was a claim filed for coverage of any of the costs for which the applicant is seeking reimbursement in this application? *If "Yes," skip to question C.*

If "No," please explain why no claim was filed: \_\_\_\_\_  
\_\_\_\_\_  
*(Skip to question D.)*

C.  Yes  No Did the insurer agree to cover your claim?

If "Yes":

- State the amount of benefits received (or to be received) \$ \_\_\_\_\_
- Provide a copy of the insurance policy and the insurer's explanation of benefits.

If "No":

- Provide a copy of the insurance policy and the insurer's letter explaining the reasons for denying your claim.

D.  Yes  No Is the applicant aware of any other insurance policy, whether held by the applicant or another person, that could cover any of the eligible costs in this application? If so, please explain: \_\_\_\_\_  
\_\_\_\_\_

**XI. CONSULTANTS/CONTRACTORS**

Complete the following for **ALL** contractors, subcontractors, consultants, engineering firms or others who performed corrective actions at this site and **whose work is covered by invoices included in this application.** (See Application Guide.)

Describe any relationship, financial or otherwise, between the applicant and anyone who performed work at this site: None

**Land Farmer/Compost Site or Thermal Treatment Facility**

# 1145 Petrofund Registration Number County Hennepin  
Name of individual or firm: C.S. McCrossan  
Mailing Address: Box 1240, 7865 Jefferson Highway, Maple Grove, MN 55311  
(City) (State) (Zip)  
Contact Person: Bob Dongoske Day phone #: ( 612 ) 425-3123

**Consultants/Contractors (ATTACH ADDITIONAL PAGES IF NECESSARY)**

# 1262 Petrofund Registration Number  
Name of individual or firm: Bergerson-Caswell Inc.  
Mailing Address: 5115 Industrial Street, Maple Plain, MN 55359  
(City) (State) (Zip)  
Contact Person: Rob Caho Day phone #: ( 612 ) 479-3121

# \_\_\_\_\_ Petrofund Registration Number  
Name of individual or firm: Becker Aggregate Trucking, Inc.  
Mailing Address: P.O. Box 249 Pierz, MN 56364  
(City) (State) (Zip)  
Contact Person: Gordy Becker Day phone #: ( \_\_\_\_\_ )

# 2263 Petrofund Registration Number  
Name of individual or firm: En Chem Inc.  
Mailing Address: 1795 Industrial Drive, Green Bay, WI 54302  
(City) (State) (Zip)  
Contact Person: Barb Peterson Day phone #: ( 414 ) 469-2436 or 1-800-736-2436

# 1133 Petrofund Registration Number  
Name of individual or firm: DPRA Incorporated  
Mailing Address: E-1500 First National Bank Building, St. Paul MN 55101  
(City) (State) (Zip)  
Contact Person: Donovan Hannu Day phone #: ( 612 ) 227-6500

**XII. CERTIFICATION PAGE** (see Application Guide)

**APPLICANT SIGNATURE and NOTARIZATION** (SIGNATURE AND NOTARIZATION REQUIRED)

If information contained in this application changes in any material way after this application is submitted to the Petrofund, I will immediately notify the Petrofund in writing of those changes.

I understand that the information used to support this application is subject to audit by the Minnesota Pollution Control Agency and the Minnesota Department of Commerce.

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 gathered and evaluated 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, then 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.

I further certify that I am authorized to sign and submit this application on behalf of Conoco Super Shop  
Corporation / Partnership / Municipality / Public Agency

Signature Dennis Kahlhammer  
Name (print/type) Dennis Kahlhammer  
Title SEC.  
Date Signed 4/27/98

**NOTARIZATION**

Subscribed and sworn to before me this 27 day  
of April  
Notary Maurice Durheim  
My Commission Expires Jan. 31, 2000

**CONSULTANT SIGNATURE** (SIGNATURE REQUIRED)†

I, Donovan Hannu, confirm that all costs claimed by DPRA Incorporated as a part of this  
(Individual name) (Consultant company)  
application are a true and accurate account of services performed. I further confirm that no costs submitted for inclusion on this  
application by my consulting company are ineligible as listed in Minn. Rule 2890.0071.

Donovan Hannu / Associate Civil Engineer  
Consultant Signature Title Date 4/23/98

† Duplicate this section if more than one consultant signature is required.

**APPLICATION PREPARER'S SIGNATURE** (SIGNATURE REQUIRED)

Rebecca Bonnell  
(Preparer's name)  
Rebecca Bonnell  
Preparer's Signature Title Date 4/23/98

\* NOTE: SUBMIT CERTIFICATION PAGE CONTAINING ORIGINAL SIGNATURES.

Please send this application and accompanying documents to:  
MINNESOTA DEPARTMENT OF COMMERCE - PETROFUND  
133 EAST SEVENTH STREET  
ST. PAUL, MN 55101-2333  
(612) 297-1119, (612) 297-4203

THIS APPLICATION IS EFFECTIVE JULY 1, 1997 - JUNE 30, 1998

# ATTACHMENT A

## STANDARDIZED INVOICE SUMMARY

Please use this form if the costs you are submitting for reimbursement have been invoiced to you on the standardized invoice forms prescribed by the Petrofund Board. **This attachment must accompany your application if you entered into a contract on or after October 6, 1995.**

For each standardized invoice form you are submitting with this application, enter the Grand Total from the Actual Invoice Amount column on the corresponding line in the box below. Add these numbers together, subtract the amount of insurance reimbursement you have received, and multiply the resulting total by the appropriate reimbursement rate.

STANDARDIZED INVOICE SUMMARY	
Preremoval Site Assessment .....	\$ _____
Underground Storage Tank Removal Assessment .....	\$ <u>7,687.27</u>
Initial Site Assessment .....	\$ _____
Additional Site Assessment .....	\$ <u>1,894.25</u>
Remedial Investigation / Corrective Action Design Report .....	\$ _____
Remedial Design / Maintenance .....	\$ _____
Contractor Services .....	\$ <u>1,750.00</u>
 TOTAL .....	 \$ <u>11,331.52</u>
Insurance Reimbursement (subtract)    -	\$ ( _____ )
	= \$ <u>11,331.52</u>
	x 90%*
 TOTAL REIMBURSEMENT REQUEST =	 \$ <u>10,198.37</u>

\* If a different reimbursement rate applies, calculate at that rate. See Application Guide.

☞ Please attach a copy of a site map that shows the former tank basin, the excavation area, and any on-site structures. If new tanks were installed, the map also should show their sizes and location(s).