

Minnesota Pollution Control Agency

March 23, 1993

Mr. Bob Siegel
Post Office Box 33331
Building 21-2W-05
St. Paul, Minnesota 55113

Dear Mr. Siegel:

RE: Petroleum Tank Release Site Closure
Site: 3M Building #223
Site ID#: LEAK00004267

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

On July 17, 1991, a petroleum tank release was reported to the MPCA. Since then, the following corrective actions have been taken in response to the release:

1. Bay West was retained to observe and document the removal of one 1,000 gallon Diesel fuel tank from the above referenced site. The cause of the release was due to corrosion resulting in holes in the tank.
2. During the tank removal, soil was screened and separated for treatment. Approximately 40 cubic yards of petroleum contaminated soil was removed and subsequently treated at CleanSoils. The post-burn analysis documents that the soil has been treated and incorporated into Asphalt.
3. Photoionization detector (PID) readings taken during the soil removal indicated primarily non-detect readings down to 10 feet. The highest measured PID reading was 50 parts per million (ppm) taken at SV-5D at the 10 foot interval. A corresponding analytical sample was collected in the west side wall (SS-1) at 10 feet, indicates Diesel Range Organics (DRO) at 3,900 ppm.
4. On October 21, 1992, three soil borings were advanced to determine the extent of contamination. All three borings were non-detect for presence of organic vapors with the PID instrument. Review of the laboratory report indicates that only one of the five soil samples measured organics. Soil analytical sample SB-2, collected from the 13 to 15 foot interval, shows DRO at 8.6 ppm. Because there was no field indications of diesel organics, it is suspected that natural soil organics in the area of the storm sewer account for the low DRO.

Mr. Bob Siegel
Page 2
March 23, 1993

5. Residual soil contamination as high as 3,900 ppm may be present in the base of the tank basin. The extent of the soil contamination is believed to be limited, as documented by the excavation samples and boring SB-1. The residual soil contamination poses no apparent threat to human health and the environment.

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

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

Thank you for your cooperation with the MPCA in responding to this petroleum tank release to protect the public health and the environment of the state of Minnesota. If you have any questions regarding this correspondence, please call me at 612/297-8607, TDD 297-5353, Greater Minnesota TDD 1-800-627-3529.

Sincerely,



James Joslyn

Project Manager
Tanks and Spills Section
Hazardous Waste Division

JJ:nh

cc: Robin Hanson, Department of Commerce

Jan Williams, Bay West, St. Paul
Lucille Aurelius, City Clerk, Maplewood
James Embertson, Fire Marshall, Maplewood
Lee Holden, Ramsey County, Roseville

September 3, 1992

Mr. Lowell Miller Stolte
3M Company EE & PC
P.O. Box 33331, Bldg. 21-2W-05
Maplewood, MN 55133-33331

RECEIVED

SEP 08 1992

MPCA, HAZARDOUS
WASTE DIVISION

Dear Mr. Stolte:

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

Site: Maplewood, MN
MPCA Leak ID#: 4267
CleanSoils Project #: MN0485

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

Quantity of Soil: 31.08 tons
Completion Date: 07/31/92
Post-Burn Samples: MN0485
Final Disposition of Soil: Qualified Fill Project

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

Sincerely,



Bruce Rivers
Account Executive

attachments

pc: File
Bob Dullinger, MPCA
Consultant

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

I. Minnesota Pollution Control Agency Site ID Number: LEAK# 00004267

II: MPCA Project Manager:

III: Source of Soil:

Facility Name: 3M Company - Bldg. 223
Street Address: I94 + McKnight Rd.
City, State, Zip: Naplewood, MN.
Contact Name: Lowell Miller Stolte
Telephone: (612) 778-5104

IV: Contamination Details:

Weight of Soil (Tons): 70

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

Contamination Concentration (parts per million)

Benzene	<u><0.018</u>	_____	_____	_____	_____
Toluene	<u><0.018</u>	_____	_____	_____	_____
Ethyl Benzene	<u><0.018</u>	_____	_____	_____	_____
Xylene	<u><0.018</u>	_____	_____	_____	_____
Total Lead	<u>12.9</u>	_____	_____	_____	_____
TPH as F.O. or Gas	<u>100</u>	_____	_____	_____	_____

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

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

V. Thermal Treatment Unit:

Name: CleanSoils Inc.
Address: 398 East Richmond Street
South St. Paul, MN 55075

Plant Number or Model: CleanSoils Thermal Desorber™

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

7/21/92
Date

David H. Kress
Signature of Authorized Thermal Treatment Unit Representative

Application to Treat Petroleum Contaminated Soil

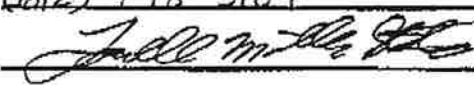
Page 2

May 1991

VI: Date treatment will be completed: 8/01/92
(60 DAYS FROM ACCEPTANCE)

VII: Final Disposition of Treated Soil: Asphalt mix for
road base.

VIII: Individual Submitting Request:

Company Name: 3M Company - EE+PC
Address: P.O. Box 33331 Bldg. 21-2W-05
City, State, Zip: Maplewood, MN 55133
Contact Name: Lowell Miller Stolte
Telephone: (612) 778-5104
Signature: 
Date: 7-20-92

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

Table 1

 Bay West Environmental Services Project No.: 2288
 Bay West Laboratory Project ID: 5-1552

Parameter	Units	Reporting Limit	Stock Pile/ Diesel Fuel SP-#1 (14467)
Benzene ^a	mg/Kg	0.0005	<0.018
Toluene ^a	mg/Kg	0.0005	<0.018
Ethyl Benzene ^a	mg/Kg	0.0005	<0.018
Xylene ^a	mg/Kg	0.0005	<0.018
Total Petroleum Hydrocarbons ^a (Fuel Oil)	mg/Kg	0.025	100.
Lead	mg/Kg	5.0	12.9
Sieve Analysis:			
Mesh #4 (4.75 mm)	% Passing		26.59
Mesh #4 (4.75 mm)	% Retained		73.41
Mesh #10 (2.00 mm)	% Passing		55.03
Mesh #10 (2.00 mm)	% Retained		44.97
Mesh #20 (0.850 mm)	% Passing		44.91
Mesh #20 (0.850 mm)	% Retained		55.09
Mesh #40 (0.425 mm)	% Passing		32.52
Mesh #40 (0.425 mm)	% Retained		67.48
Mesh #60 (0.250 mm)	% Passing		23.33
Mesh #60 (0.250 mm)	% Retained		76.67
Mesh #200 (0.075 mm)	% Passing		14.90
Mesh #200 (0.075 mm)	% Retained		85.10

Method		Analysis Date
BTEX	EPA 5030/8020 Modified	August 29, 1991
Lead	EPA 3050/6010	September 9, 1991
Sieve	ASTM D422 Modified	August 29, 1991

^aExtraction Factor = 36.4 mg/Kg. Reporting Limits are provided for reference purposes. The reporting limits that are applicable to a sample are obtained by multiplying the Reporting Limit by the Extraction Factor for the sample.



SERCO Laboratories

1931 West County Road C2. St. Paul. Minnesota 55113 Phone (612) 636-7173 FAX (612) 636-7178

LABORATORY ANALYSIS REPORT NO: 22592
08/07/92

PAGE 2

SERCO SAMPLE NO: 68772
SAMPLE DESCRIPTION: MN0485-1

ANALYSIS:

Benzene, mg/kg	0.047
Ethylbenzene, mg/kg	<0.005
Toluene, mg/kg	0.022
Xylene, mg/kg	0.033
FID Scan, mg/kg, as #2 fuel oil	<2.0
FID Scan, mg/kg, as gasoline	<0.50

All analyses were performed using EPA or other accepted methodologies. Samples that may be of an environmentally hazardous nature will be returned to you. Other samples will be stored for 30 days from the date of this report, then disposed of by SERCO Laboratories. Please contact me if other arrangements are needed. This report may not be reproduced, except in its entirety, without prior written approval from SERCO Laboratories.

Report submitted by,

Jerome A. Kostecky
Project Manager

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



Member



JAS

Minnesota Pollution Control Agency

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

November 16, 1992

Mr. Bob Siegel
Post Office Box 33331
Building 21-2W-05
Saint Paul, Minnesota 55113

Dear Mr. Siegel:

RE: Contaminated Soil Corrective Action Plan Approval
Site: 3M Building #223
Site ID#: LEAK 00004267

1/23/92

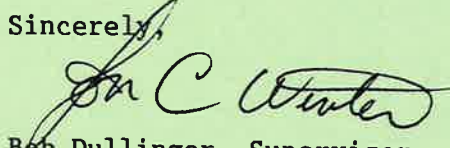
The Minnesota Pollution Control Agency (MPCA) has received the monthly log from the thermal treatment facility that has accepted the petroleum contaminated soil from the above-referenced site. This submittal, along with the "Application to Treat Petroleum Contaminated Soil", if signed by the responsible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

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

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

If you have any questions, please contact me.

Sincerely,

for 

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

BD:jw

TTP

rec'd 8/18

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

I. Minnesota Pollution Control Agency Site ID Number: LEAK# 00004267

II: MPCA Project Manager: James Joselyn

III: Source of Soil:

Facility Name: 3M Company - Bldg. 223
Street Address: 194 McKnight Pk.
City, State, Zip: Maplewood, MN.

Contact Name: Lowell Miller Stolte
Telephone: (612) 778-5104

IV: Contamination Details:

Weight of Soil (Tons): 70

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

Contamination Concentration (parts per million)

Benzene	<u><0.018</u>	_____	_____	_____	_____
Toluene	<u><0.018</u>	_____	_____	_____	_____
Ethyl Benzene	<u><0.018</u>	_____	_____	_____	_____
Xylene	<u><0.018</u>	_____	_____	_____	_____
Total Lead	<u>12.9</u>	_____	_____	_____	_____
TPH as F.O. or Gas	<u>100</u>	_____	_____	_____	_____

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

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

V. Thermal Treatment Unit:

Name: CleanSoils Inc.
Address: 398 East Richmond Street
South St. Paul, MN 55075

Plant Number or Model: CleanSoils Thermal Desorber™

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

7/21/92
Date

David H. Kress
Signature of Authorized Thermal
Treatment Unit Representative

Application to Treat Petroleum Contaminated Soil
Page 2
May 1991

VI: Date treatment will be completed: 8/01/92
(60 DAYS FROM ACCEPTANCE)

VII: Final Disposition of Treated Soil: Asphalt mix for roadbase.

VIII: Individual Submitting Request:

Company Name: 3M Company - EE+PC
Address: P.O. Box 33331 Bldg. 71-2W-05
City, State, Zip: Maplewood, MN 55133
Contact Name: Lowell Miller Stolte
Telephone: (612) 778-5109
Signature: *Lowell Miller Stolte*
Date: 7-20-92

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

Table 1

 Bay West Environmental Services Project No.: 2288
 Bay West Laboratory Project ID: 5-1552

Parameter	Units	Reporting Limit	Stock Pile/ Diesel Fuel SP-#1 (14467)
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Method	Analysis Date
BTEX	EPA 5030/8020 Modified
Lead	EPA 3050/6010
Sieve	ASTM D422 Modified
	August 29, 1991
	September 9, 1991
	August 29, 1991

^aExtraction Factor = 36.4 mg/Kg. Reporting Limits are provided for reference purposes. The reporting limits that are applicable to a sample are obtained by multiplying the Reporting Limit by the Extraction Factor for the sample.



Minnesota Pollution Control Agency

520 Lafayette Road, Saint Paul, Minnesota 55155-3898

Telephone (612) 296-6300

July 24, 1991

Mr. Bob Siegel
3M
P.O. Box 33331 Building 21-2W-05
St. Paul, Minnesota 55133

Dear Mr. Siegel:

RE: Petroleum Storage Tank Release Investigation and Corrective Action
Site: 3M Building 223, I94 and McNight Road, Maplewood
Site ID#: LEAK00004267

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

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

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

If you do perform the requested work, the state may reimburse you for a major portion of your costs. The Petroleum Tank Release Cleanup Act establishes a fund which in certain circumstances provides partial reimbursement for petroleum tank release cleanup costs. This fund is administered by the Petroleum Tank Release Compensation Board (Petro Board). More specific eligibility rules are available from the Petro Board (612/297-4017).

Mr. Bob Siegel

Page 2

July 24, 1991

Please respond to this letter either in writing or by telephone within 30 days after you receive it. Indicate whether or not you intend to proceed with the necessary actions, whom you have chosen to do the work, and a schedule for implementation. Please use the site ID number at the top of this page on all written communication.

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

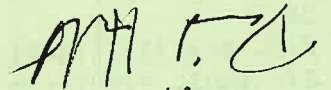
If you conclude that the release in question is not from any tank which you have owned or operated, please notify the MPCA immediately and explain the basis of your conclusion.

A packet of fact sheets is enclosed for your information.

For site specific questions, contact the site's project manager, Ronald Schwartz, at 612/297-8606. In addition, all future correspondence should be addressed to the above mentioned project manager. If you have any general questions regarding the leaking underground storage tank program please call me at 612/297-8588.

Thank you.

Sincerely,



David Holst

Pollution Control Specialist
Tanks and Spills Section
Hazardous Waste Division

DH:np

Enclosures

cc: Mrs. Lucille Aurelius, City Clerk, Maplewood
James Embertson, Fire Chief, Maplewood

WATER

Groundwater in excavation: No

Free product present: No

Groundwater:

City water: Yes

Wells private/municipal: No

Surface water:

VAPOR

Sewers:

Buildings:

SITE INFORMATION

Description of the area:

Previous release:

Other possible sources:

INSTRUCTIONS GIVEN

Hire consultant
Submit report
Staff will call
Contact staff

CONTACTS

Local Fire/Police
Local Officials
Regional Staff
Other

INFORMATION SENT

CONCLUSIONS

STAFF

SUPERVISOR
DATE

PRIORITY

RRS

MI ESOTA POLLUTION CONTROL AGENCY

TANKS AND SPILLS SECTION

PETROLEUM TANK RELEASE REPORT

Report Taken by: OH

Date/Time Occurred: ?

Date/Time Reported: 7/17/91

Date/Time Discovered: 7/16/91

LEAK # 41867

USTIS #

CALLER

Name: Bob Siegel
Phone: 778-6130

Relationship to site: SM

SITE

Name: 3M Building 223
Street: I 94 + McNight Rd
City: Maplewood
County: Kanawha
Zip: 25809
Region: I

SITE OPERATOR

TANK OWNER / OPERATOR
Name: 3M
Street: P.O. Box 33331 Building 21-2W-05
City: St. Paul
Zip: 55133
Contact Person: Bob Siegel
Phone: 778-6130

SITUATION

Material released/amount: diesel

Source of release: lost

Release discovery: During removal

TANK INFORMATION

Contents _____
Size _____
Age _____
Removed _____
Condition _____
Registered _____

State or Federal _____

Notification prior to removal: _____

MPCA, Fire Marshal, Excavation Contractor, consultant present: _____

SOIL

Contaminated soil: Yes

Contaminated soil excavated: 15 yds → soil excavating

Vapor readings: _____

Soil samples: _____

Borings: _____

Soil type: _____

Stockpiled properly: Yes on site

Disposal arranged: _____

Was it a total excavation: _____

Leak ID: 42

MPCA Leaksite Rem as Screen

07/17/91: Leak notification.

07/24/91: S.L. was mailed.

03-04-96: EMH - File sent to archives.

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

79.

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

Site ID#:	Release Site:	Applicant:
LEAK00003490	3M	3M
Date of UST Registration:		April 16, 1986
Metro		
LEAK00003599	James A. Loosen	James A. Loosen
Date of UST Registration:		Exempt
Region III		
LEAK00004267	3M, Maplewood	3M, Maplewood
Date of UST Registration:		May 8, 1986
Metro		
LEAK00004554	Total Petroleum, Inc.	Total Petroleum
Date of UST Registration:		April 11, 1986
Region III		
LEAK00005319	ISD #833 Royal Oaks Elementary	ISD #833 Royal Oaks Elementary
Date of UST Registration:		May 22, 1986
Region V		
LEAK00005369	3M	3M
Date of UST Registration:		April 16, 1986
Region III		

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) (1992).

2. Compliance with Applicable Requirements: ADEQUATE

Information readily available to the Minnesota Pollution Control Agency (MPCA) staff shows that the applicant has complied with the applicable requirements of Minn. Stat. § 115C.09, subd. 3(f)(1992).

The determinations in this report are made solely for the purpose of determining eligibility for reimbursement under Minn. Stat. § 115C.09, subds. 2 and 3 (1992). Nothing in this site report releases any person from liability, and the MPCA does not waive any of its authority to require additional corrective action at the above-referenced site or to enforce other provisions of state law.

Dated: 6/13/94

Mark Schmitt
Mark Schmitt, Supervisor
Tanks and Spills Section

Petroleum Tank Release Compliance Checklist

SITE: 3M Bldg maplewood LEAK0000 4267 1973?
 TANK SIZE 1,000 PRODUCT Diesd REMOVED 7-17-91 INSTALLED unknown

UST/AST			
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

1. UNREGULATED TANKS: UST's 110 gallons or less, OR heating oil UST's 1,100 gal or less consumed on the premises OR farm/residential UST's 1,100 gal or less containing motor fuel not for resale.
2. STATE REGULATED: Heating oil UST's with a capacity > 1,100 gallons
3. FEDERAL REGULATED: All UST's > 110 gallons NOT specified above
- ABOVEGROUND TANKS: Regulated if they have a capacity > 110 gallons and are used for resale, capacity > 1100 gallons if not used for resale. Use criteria marked with **.

1.** Release Notification: INADEQUATE _____
 Date release discovered: MPCA 7-16-91 PETROBOARD 7-17-91
 Date release reported: MPCA 7-17-91 PETROBOARD 7-17-91

** Cooperation/Due Care Issue: YES _____ NO _____ INADEQUATE _____
 Comments: _____

2.** Tank Registration: AST/UST # 4111 Date Registered 5-8-86
 Compliance dates: UST's before 12/1/87, AST's before 1/1/91. INADEQUATE _____

Certified UST Remover/Installer: YES X NO _____ Cert# 128
 Applicable after 7/9/90. INADEQUATE _____

Corrosion Protection: YES _____ NO _____ N/A X
 Applicable for steel UST's installed after 6/1/86. INADEQUATE _____
 Steel UST's installed before 6/1/86 no later than December 1998.

3. Prior Removal Notice: YES X NO _____ N/A _____ INADEQUATE _____
 Applicable after 1/1/91; heating oil UST's > 1,100 gallons after 8/1/92.

Tank Leak Detection: YES _____ NO X N/A X INADEQUATE _____
 If tank was installed: Then the leak detection deadline is:
 before 1965 December 1989
 1965-1969 December 1990
1970-1974 December 1991
 1975-1979 December 1992
 1980-Dec. 1988 December 1993

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

Piping Leak Detection: YES NO N/A
 Applicable for pressure piping installed after 12/22/88 - Pressure piping
 installed before 12/22/88 should have leak detection by 1990 - Suction
 piping same schedule listed under leak detection for Tanks.

Spill/Overfill Protection: YES NO N/A
 Applicable for UST's installed after 12/22/88; existing UST's require
 spill/overfill protection no later than December 1998.

** AST Secondary Containment: YES NO N/A
 Applicable by 1964 for AST's > 1,100 gallons or within 500' of surface
 water

INADEQUATE
 INADEQUATE
 INADEQUATE

4267
RECEIVED

**MINNESOTA PETROLEUM TANK RELEASE
COMPENSATION BOARD
Application for Reimbursement**

JUN 01 1994
MPCA, HAZARDOUS
WASTE DIVISION

PART I APPLICATION PROCESS

(Check One) Check appropriate Phase and complete and information requested for the Phase checked (See Application Guide).

[] Phase 1. MPCA approval of Soil Corrective Action Plan (SCAP)
a) Date of SCAP approval ___/___/___ (Attach copy)
b) Date SCAP was submitted to MPCA ___/___/___

[] Phase 2. Submission of Soil Treatment Letter to MPCA
Date of Soil Treatment Letter ___/___/___ (Attach copy)

[] Phase 3. MPCA approval of Comprehensive Corrective Action Plan (CCAP)
a) Date of CCAP approval ___/___/___ (Attach copy)
b) Date CCAP was submitted to MPCA ___/___/___

[] Phase 4. Submission of CCAP Installation Letter to MPCA
Date of CCAP Installation Letter ___/___/___ (Attach copy)

[X] Ongoing Expenses Following Phase 4 Reimbursement of MPCA Site Closure or Conditional Closure

PETRO FUND
APPLICATION
CONFIRMATION

MAY 26 1994

NOTICE SENT

PART II APPLICANT INFORMATION

1. "Responsible Person" [X] "Volunteer" [] or "Non-Responsible Person" []
(check one) (see application guide)

Name: Minnesota Mining & Manufacturing (3M)

2. Mailing Address: P.O. Box 3331; Bldg. 21-2W-05
St. Paul, MN Phone: (612) 778-5104

3. Site ID: Leak # 00004267

4. The applicant is a: [X] Corporation [] Partnership [] Individual [] Other _____

5. Applicant was the owner or operator of the tank from Unknown to 07/17/91.

6. "Volunteer" Applicant owned property from N/A to _____.

7. Has applicant executed any Petrofund assignment agreements? yes ___ no X

Name of assignee(s) _____ (attach a copy of agreement)

Ramsey

PART III TANK FACILITY

1. Name of "Tank Facility" (see application guide) where the petroleum release occurred:
3M Building 223

2. Tank Facility address: I94 and McNight Road
Maplewood, MN

3. Contact Person at Tank Facility: Mr. Lowell Miller-Stolte
Phone: (612) 778-5104

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

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

6. Date when petroleum release was detected: 07/17/91
What test was performed to initially establish that a release occurred? Tank excavation revealed contamination.

7. Date when petroleum release was reported to the MPCA: 07/17/91

8. a. Which tanks were the source of the release at this tank facility? (see application guide)
Tank #1

- b. What was the cause of the release?
Corrosion of the tank.

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

PART IV TANK INFORMATION AND COMPLIANCE

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

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

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

Tank	Petroleum Product	Capacity	Type of Tank	Date Installed	Registered Yes/No/Unk	Date Removed
1	Diesel	1,000 Gal.	Stip 3	Unknown	Yes	07/17/91
2						
3						
4						
5						

Tanks				Piping		
Tank	Leak Detection (Methods)	Corrosion Protection (Yes/No)	Spill/Overfill Protection (Yes/No)	Type of Piping	Leak Detection (Methods)	Corrosion Protection (Yes/No)
1	Stip 3	Yes	No	Steel	Cath.	Yes
2						
3						
4						
5						

Tank	Tank Tightness Test Dates	Piping Tightness Test Dates
1		
2		
3		
4		
5		

Are there any special circumstances you would like the persons reviewing your application to be aware of?
Please explain: None

PART IV ELIGIBLE COSTS

1. The Eligible Cost Worksheets attached are for INVESTIGATION costs, CLEAN-UP costs, and CONSULTANT costs. These worksheets must be completed listing each corrective action for which you are requesting reimbursement.
2. Invoices submitted with this application cover the period from 08/03/92 to 11/08/93
3. Are any of the costs listed in the Eligible Cost Worksheets in dispute? yes no
(see application guide)
4. At this time, do you anticipate incurring any Ongoing corrective action costs relative to the petroleum release at this Tank Facility? yes no

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

5. a. Please state the total amount of contaminated soil which was excavated at this site (cubic yards or tons): 31.08 tons
- b. What was the soil contamination concentration (total hydrocarbons) >100 ppm?
6. Has the applicant been eligible to recover cleanup costs arising from this petroleum release under any insurance policy at any time since June 4, 1987? yes no

If yes, provide the following:

<u>Insurance Company</u>	<u>Policy #</u>	<u>Policy Limits</u>	<u>Deductible</u>	<u>Period Covered</u>
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_____	_____	_____	_____	____/____/____
_____	_____	_____	_____	____/____/____

7. Total of all eligible costs as listed in the Eligible Cost Worksheets:

\$ 4,469.21
X 90%
= \$ 4,022.29

Insurance Reimbursement - \$ (0.00)
(Subtract)
Total Reimbursement Request = \$ 4,022.29
(See application guide)

PART V

CONTRACTORS/CONSULTANTS

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

Name of individual or firm: See attached

Mailing address: _____

Contact person: _____ Phone: () _____

Name of individual or firm: _____

Mailing address: _____

Contact person: _____ Phone: () _____

Name of individual or firm: _____

Mailing address: _____

Contact person: _____ Phone: () _____

Name of individual or firm: _____

Mailing address: _____

Contact person: _____ Phone: () _____

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

None

PART V

CONTRACTORS/CONSULTANTS

- A. Delta Environmental Consultants, Inc.
3900 Northwoods Drive, Suite 200
St. Paul, MN 55112
(612) 486-8022
Attn: Michael Griffith
Reg. #1095

- B. CleanSoils, Inc.
84 2nd Avenue S.E.
New Brighton, MN 55112
(612) 639-8811
Reg. #1238

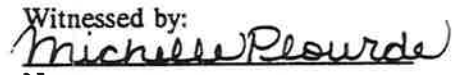
- C. Bay West, Inc.
5 Empire Drive
St. Paul, MN 55103
(612) 291-0456
Reg. #1070

PART VII CERTIFICATION (see application guide)

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

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


Signature of Applicant

Witnessed by:

Name

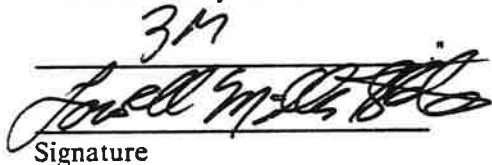
Lowell Miller Stolte
Name (Please Print)

January 31, 1994
Date

1-31-94
Date

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

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

3M

Signature

Lowell Miller Stolte
Name
(Please Print)

Adv. Environmental Eng.
Title (See Application Guide, Part VI)

1-31-94
Date

Please send this application and accompanying documents to:

Petroleum Tank Release Compensation Board
Minnesota Department of Commerce
133 East Seventh Street
St. Paul, Minnesota 55101
(612) 297-4017
(612) 297-1119

A. SOIL BORINGS/MONITORING WELLS

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- Total
Department Mgr.	Bay West	120208	0.10	108.00	\$10.80
Field Tech.			14.00	48.00	\$672.00
PID			0.50	85.00	\$42.50
Drill Rig			0.50	320.00	\$160.00
One Ton Vehicle			0.50	80.00	\$40.00
Mileage			20.00	0.75	\$15.00
Glove			1.00	8.50	\$8.50
Benseal			3.00	9.00	\$27.00
				Total	\$975.80

B. LABORATORY TESTS AND ANALYSIS

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- Total
Sample Analysis	Bay West	120208	See Invoice	See Invoice	\$1,125.00
				Total	\$1,125.00

D. SOIL TREATMENT

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- Total
Soil Treatment	CleanSoils	1075	See Invoice	See Invoice	\$1,128.88
				Total	\$1,128.88

F. TRUCKING

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- Total
Transportation	CleanSoils	1075	See Invoice	See Invoice	\$341.88
				Total	\$341.88

I. OTHER CLEAN-UP or INVESTIGATION COSTS

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- Total
Camera	Bay West	120208	1.00	8.50	\$8.50
Sample Jars			16.00	2.05	\$32.80
			15.00	4.25	\$63.75
				Total	\$105.05

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- Total
Senior Review	Bay West	120208	0.20	108.00	\$21.60
Staff prof.			0.60	66.00	\$39.60
Senior Review			0.20	108.00	\$21.60
Field Tech.			0.70	48.00	\$33.60
Staff Prof.			2.00	66.00	\$132.00
Field Tech II			0.90	48.00	\$43.20
Department Mgr.			1.70	108.00	\$183.60
Staff Prof.			0.30	66.00	\$19.80
Department Mgr.			0.30	108.00	\$32.40
Staff Prof.			0.20	76.00	\$15.20
Reimb. Appl.	Delta	93872	1.00	250.00	\$250.00
				Total	\$792.60