

Leaksite ID# 2433
SINCLAIR RETAIL
Site Name

Tank Facility ID 1473
SINCLAIR MARKETING INC
Responsible Party

LEAKSITE REMARKS

04/12/90 Release reported, Gasoline UST removed
04/27/90 Standard letter sent
05/15/90 Rec'd app to treat contaminated soil at McCrossan
05/25/90 Sent approval for McCrossan
06/30/90 Soil treated at McCrossan
08/08/91 Rec'd SCAP
08/21/91 Sent SCAPA
10/29/91 Rec'd RI information prior to conference call
12/02/91 Kelly Kading taking over project, call set up for 17th-3:00
12/12/91 DAT spoke with Kelley Kading after reviewing documents
submitted to the MPCA for review. DAT said that a conference
call was not necessary for this site. DAT requested more
detailed information regarding site history, and requested a
new tank tightness test on the tanks and lines. It appears
that additional corrective actions will not be required at
the site. Kelley Kading suggested that the Sinclair facility
may be impacted by Golden Valley Mobil (MPCA Leaksite ID#0183)
located southeast and across Medicine Lake Road from the site.
DAT reviewed leaksite file #183 and found no reason to believe
that the Sinclair facility was being impacted by the Mobil
station. Kelley Kading will be submitting the finished RI/CAD
report with the requested information as soon as possible.
12/03/92 Scott Winslow called to indicate that he is the project
manager for the site. - DAT
03/07/95: CLM had DAT look at the data included in that latest report.
After reviewing the information DAT decided that the
requirements layed out in the CAD Approval had been reached,
therefore, the site could be closed.
07/23/97 sent to archives kl

End of Remarks

14-AUG-1990 09:42:29

MPCA Leaksite Remarks Screen

Leak ID: 2433

Site N

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RLL

MINNESOTA POLLUTION CONTROL AGENCY

TANKS AND SPILLS SECTION

PETROLEUM TANK RELEASE REPORT

Report Taken by: D. Fawcett Date/Time Occurred:

Date/Time Reported: 1:40 4/12/90 Date/Time Discovered:

LEAK # 00002433

USTIS # 001473

CALLER Name: Denny Lorenz Phone: Relationship to site: 913-321-4300

SITE Name: Sinclair Retail Street: 9456 Medicine Lake Road City: New Hope Zip: 55427 County: Hennepin Region: III

SITE OPERATOR Name: Street: City: Zip: Contact Person: Phone:

TANK OWNER / OPERATOR Name: Sinclair Marketing Street: 3401 Fairbanks Ave PO 6247 City: Kansas City KS Zip: 66106 Contact Person: Denny Lorenz Phone: 913-321-4300

SITUATION Material released/amount: Gasoline Source of release: UST Release discovery: Removed Abandoned tank

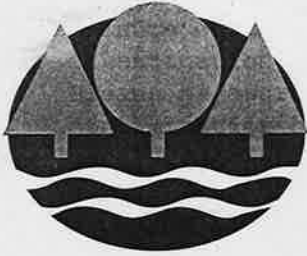
TANK INFORMATION

Contents	Size	Age	Removed	Condition	Registered
Gas	6000	26	4/11	Pitted	yes

State or Federal Notification prior to removal: MPCA, Fire Marshal, Excavation Contractor, Consultant present: yes West Side Equip Erectatech

SOIL Contaminated soil: yes Clean backfill Contaminated soil excavated: 25-30 yds Vapor readings: 100-300 ppm Soil samples: yes Borings: Clay Soil type: Stockpiled properly: yes Disposal arranged: Was it a total excavation: NO

PRIORITY	SUPERVISOR <u>DAZ</u> for DIR DATE 4/10/90	RLL STAFF
CONCLUSIONS They did not dig at, Encothek will submit a report.		
INFORMATION SENT Packet w/SL		
CONTACTS Local Fire/Police Local officials Regional staff other	INSTRUCTIONS GIVEN Hire consultant Encothek Submit report Staff will call Contact staff	
SITE INFORMATION Description of the area: (Commercial) Previous release: No Other possible sources: No		
VAPOR Sewers: No Buildings:		
WATER Groundwater in excavation: possibly found Free product present: No Groundwater: City water: Yes Wells private/municipal: No Surface water: No		



Minnesota Pollution Control Agency

March 30, 1995

Mr. Larry Feldsien
Sinclair Marketing
6602 Portland Avenue South
Richfield, Minnesota 55423

RE: Petroleum Tank Release Site File Closure
Site: Sinclair Station, 9456 Medicine Lake Road, New Hope
Site ID#: LEAK00002433

Dear Mr. Feldsien:

We are pleased to let you know that the Minnesota Pollution Control Agency (MPCA) Tanks and Spills Section (T&S) 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 T&S staff has closed the release site file.

Closure of the file means that the T&S staff does not require any additional investigation and/or clean-up 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 T&S 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 non-petroleum) 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 (1992) or any other applicable state or federal law. In addition, this letter does not release any party from liability for non-petroleum contamination, if present, under Minn. Stat. ch. 115B (1992), the Minnesota Superfund Law.

The monitoring wells for this site should be abandoned in accordance with the Minnesota Department of Health (MDH) Well Code, Chapter 4725. If you choose to keep the monitoring wells, the MDH will continue to assess a maintenance fee for each well.

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

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Mr. Larry Feldsien
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March 30, 1995

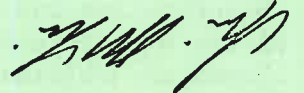
Because you performed the requested work, the state may reimburse you for a major portion of your costs. The Petroleum Tank Release Cleanup Act establishes a fund which may provide partial reimbursement for petroleum tank release cleanup costs. This fund is administered by the Department of Commerce and Petroleum Board. Specific eligibility rules are available from the Petroleum 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 leaksite, please call the T&S File Request Program at 612/297-8499. The "Leak/Spill and Underground Storage Tank File Request Form" (T&S Fact Sheet #36) must be completed prior to arranging a time for file review.

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

Sincerely,



Chris McLain
Project Manager
Cleanup Unit III
Tanks and Spills Section

CIM:tf

cc: Valerie Leone, City Clerk, New Hope
Douglas Smith, Fire & Safety, New Hope
Greg Lie, Hennepin County Solid Waste Officer
Mike Pickett, EnecoTech
Minnesota Department of Commerce, Petrofund Staff

GROUND WATER SITE SUMMARY

Leak Number: 2433

Date: March 7, 1995

Site Name: Sinclair, 9456 Medicine Lake Road, New Hope

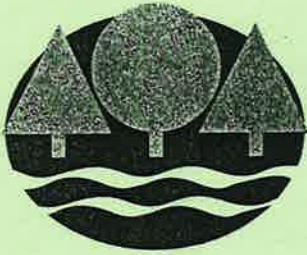
Leak Report Date: 04/12/90

Discovery Date: 04/12/90

Consultants: Enecotech

Justification for closure:

Ground water samples were collected and analyzed for VOC's using the GC/MS method. Only BETX compounds were detected in the samples. The BETX levels remained elevated, however, since it appears that this a perched water situation no further work appears necessary.



Minnesota Pollution Control Agency

March 2, 1993

Mr. Larry Feldsien
Sinclair Marketing
6602 Portland Avenue South
Richfield, Minnesota 55423

Dear Mr. Feldsien:

RE: Corrective Action Design Approval
Site: Sinclair, 9456 Medicine Lake Road, New Hope
Site ID#: LEAK00002433

The Minnesota Pollution Control Agency (MPCA) Tanks and Spills (TS) staff have reviewed the Remedial Investigation/Corrective Action Design Report (RI/CAD) dated February 5, 1992, submitted by officials of EnecoTech Midwest, Inc. (ET).

The CAD as proposed in the RI/CAD is approved with the following modification. MPCA TS staff request that an additional round of ground water samples be collected from each of the monitoring wells. The ground water samples should be chemically analyzed for volatile organic compounds (VOC's), and total petroleum hydrocarbons as gasoline range organics and diesel range organics. The VOC chemical analysis should be conducted using a GC/MS analytical procedure for a list of parameters identical to the Minnesota Department of Health Method 465D parameter list. File closure for this petroleum tank release will be considered after receiving the results from the additional ground water sampling. The ground water sampling results are required within 90 days of this letter.

If subsequently obtained information indicates that the approved corrective actions are inappropriate or inadequate, the MPCA may require additional work or modifications in the approved work.

This approval qualifies you under Minn. Stat. § 115C.09, subd. 2(a)(3) (Supp. 1991) to be eligible for Petrofund reimbursement of eligible cleanup costs. Applications 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.

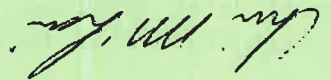
Mr. Larry Feldsien

Page 2

March 2, 1993

If you have questions regarding the investigation of ground water at this site, please contact MPCA staff hydrogeologist David Tetley at 612/297-8597. If you have any other questions, please call me at 612/297-8580.

Sincerely,



Chris McLain

Project Manager

Tanks and Spills Section

Hazardous Waste Division

CM:nh

cc: Kelly Kading, EnecoTech, Bloomington

SITE: Sinclair Marketing

LOCATION: 9456 Medicine Lake Road, City of New Hope, Hennepin County

LEAK NUMBER: 2433

ASSIGNED PRIORITY: II

REPORT TITLE: Remedial Investigation/Corrective Action Design; dated
February 5, 1992

CONSULTANT: Enecotech Midwest, Inc.

REVIEW DATE: February 16, 1993

REVIEW VAX FILE: [TETLEY_D.REVIEW]LEAK2433.letter;1

PCS/Project Leader: Chris McLain

HYDROLOGIST: David Tetley

RECOMMENDATIONS: Approve CAD with modifications

BACKGROUND INFORMATION:

Three petroleum underground storage tanks were removed from the referenced property (Site) on April 11 and 13, 1990. The tanks formerly consisted of a 560 gallon capacity waste oil, a 1.0k gallon capacity fuel oil, and a 6.0k gallon capacity gasoline service tanks. All of the tanks were 26 years old when they were removed from the Site. The Site was previously used as farm land prior to the retail sale of gasoline. Petroleum contamination was reported to the MPCA on April 12, 1990. The fuel oil tank basin did not appear to be impacted by petroleum releases. The gasoline tank was observed to have 1" diameter holes present when the tank was removed. Soil collected at the bottom of the tank basin exhibited soil PID concentrations of 154 to 382 ppm and a TPH as gasoline concentration of 400 mg/kg. Bottom soil samples collected from the waste oil tank exhibited PID concentrations of between 32 to 742 ppm, and a TPH as fuel oil concentration of 9.0k mg/kg. Solvents including 1,2-dichloroethane, and ethyl ether were detected in the the soil sample. RCRA metals all were at concentrations of less than 5.0 mg/kg, and PCBs were detected at a concentration of 0.050 mg/kg. A total of 150 cubic yards of contaminated soil was excavated and removed from the Site and was later thermally treated.

Existing tanks (three 6.0k gallon underground storage tanks) have been tank and line tested in 1989 and 1991. The tank distribution system passed both tests. The remedial investigation consisted of conducting/installing eight soil borings and two monitoring wells. Soil borings and monitoring wells were terminated at different depths at the Site, with the deepest boring not exceeding 61 feet below land surface (BLS). Sandy clay is present at the Site to the depth of 44 feet BLS. The sandy clay contained fine-to medium grained sand lenses which varied from two to five feet thick. The sandy clay is underlain by fine- to medium-grained sand. An uniform groundwater surface was not encountered during the drilling activities, but isolated perched groundwater bodies were encountered in the coarse-grained sediments (sand lenses). The sand lenses at the Site are not continuous. The saturated zones were not apparent below the depth of 41 feet BLS. Both of the monitoring wells and soil borings SB-(4,7-9) encountered perched water conditions. Most of the first zones of perched water were encountered between the depths of nine to fifteen feet BLS, including monitoring well MW-2 (8-14 feet BLS). Monitoring well MW-1 first encountered water at the depth of 42 feet BLS. Drilling at the Site penetrated approximately the upper seven feet of the sand deposit that

underlies the sandy clay, but it was determined that this portion of the sand formation was unsaturated.

The vertical extent of the soil contamination was determined by drilling out of the contaminated areas until the presence of contamination was no longer detected. Soil samples were collected during the drilling operations and were monitored for the presence of hydrocarbon vapors with a PID. Soil PID concentrations varied between 40 and 965 ppm when analyzed with a PID. Soil samples were collected from both contaminated and uncontaminated zones in each boring. Laboratory chemical analysis results reported various contamination levels from most of the samples, but the sample collected from SB-8 from the depth of 10 feet BLS was the most heavily contaminated with a THC as gasoline and fuel oil concentrations of 45 and 220 mg/kg, and a total BETX concentration of 6.42 mg/kg. Soil stratigraphy, PID, and chemical analysis results are attached to this file review.

Two rounds of groundwater samples were collected and chemically analyzed. Groundwater samples collected from MW-1 indicated only minimal hydrocarbon impact with reported THC as gasoline and fuel oil concentrations of 0.018 and 0.680 mg/L, respectively. BETX was not detected in the water samples collected from MW-1. Tetrahydrofuran was detected at a concentration of 9.9 ug/L, however. Samples collected from the shallower well MW-2 was more heavily impacted by petroleum. Benzene concentrations have ranged from 19 to 32 ug/L. Numerous solvents such as 1,2-dichloroethane, tetrahydrofuran, ethyl ether and MEK were all detected in samples collected from MW-2 at concentrations exceeding the RALs. However, the presence of these contaminants have not been confirmed by GC/MS analysis. A copy of groundwater chemical analysis results are attached to this review.

It appears that perched groundwater zones have been impacted by this petroleum tank release, and not the regional water table. Numerous wells are located within a half-mile radius of the Site. Many of these wells did not use casing. No vapor risks were identified during the investigation.

CONSULTANT RECOMMENDATIONS:

No further action.

MPCA COMMENTS AND RECOMMENDATIONS:

Minnesota Pollution Control Agency (MPCA) Tanks and Spills (TS) staff have reviewed the Remedial Investigation/Corrective Action Design Report (RI/CAD) dated February 5, 1992, and submitted by officials of EnecoTech Midwest, Inc. (ET). The Corrective Action Design (CAD) as proposed in the RI/CAD is approved with modification. MPCA TS staff request that an additional round of groundwater samples be collected from each of the monitoring wells. The groundwater samples should be chemically analyzed for volatile organic compounds (VOC's), and total petroleum hydrocarbons as gasoline range organics and diesel range organics. The VOC chemical analysis should be conducted using a GC/MS analytical procedure for a list of parameters identical to the Minnesota Department of Health Method 465D parameter list. File closure for the petroleum tank release will be considered after receiving the results from the additional groundwater sampling. The groundwater sampling results are required within 90 days of this letter.

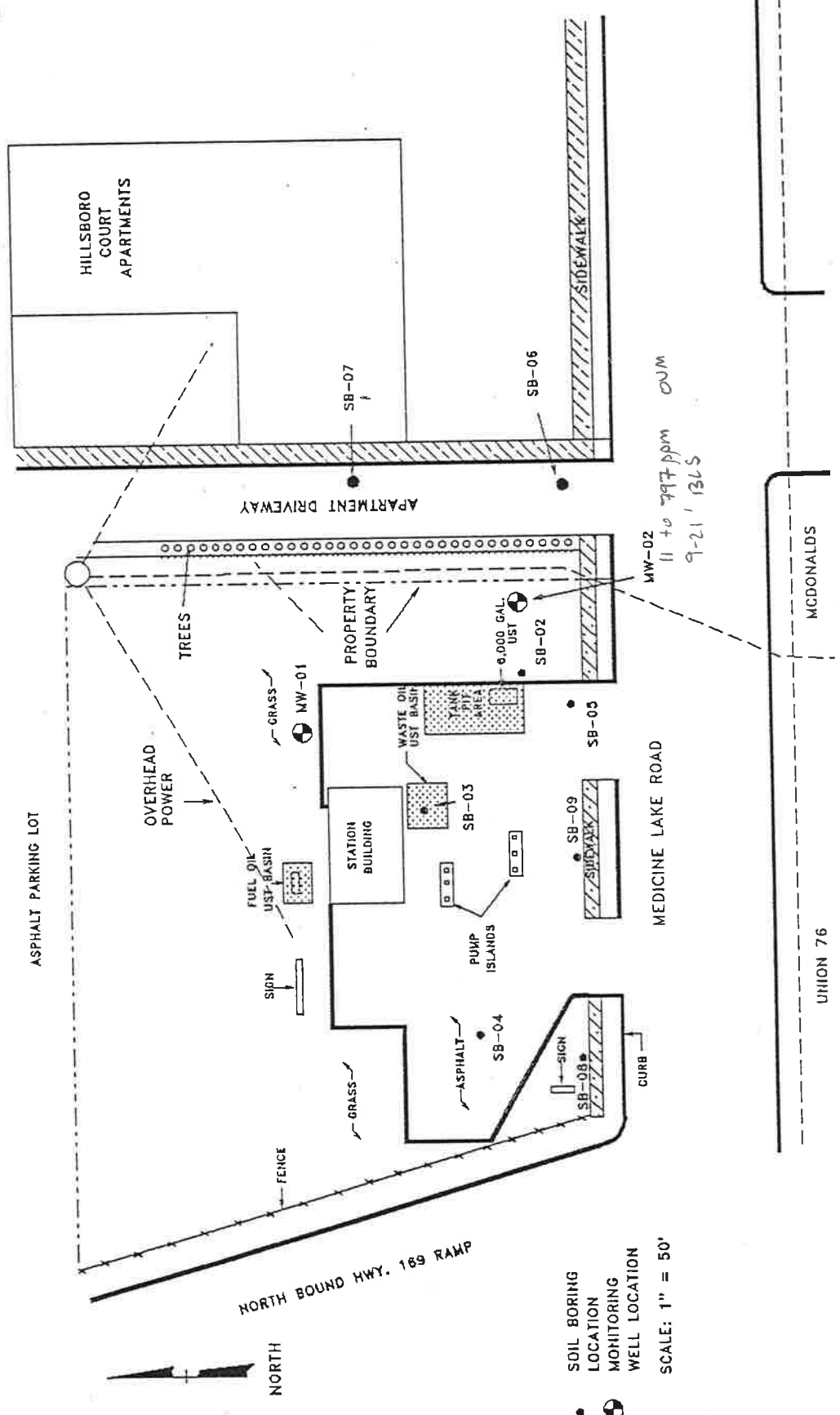


FIGURE 5
SOIL BORING/MONITORING WELL LOCATIONS
SINCLAIR SERVICE STATION
9456 MEDICINES LAKE RD, NEW HOPE, MINNESOTA

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BLOOMINGTON, MINNESOTA

PROJECT NO. 711-015	DATE 9/91	SCALE 1" = 50'	PREPARED BY	REVIEWED BY	DATE	REVISION
			EFW			ORIGINAL
M1						

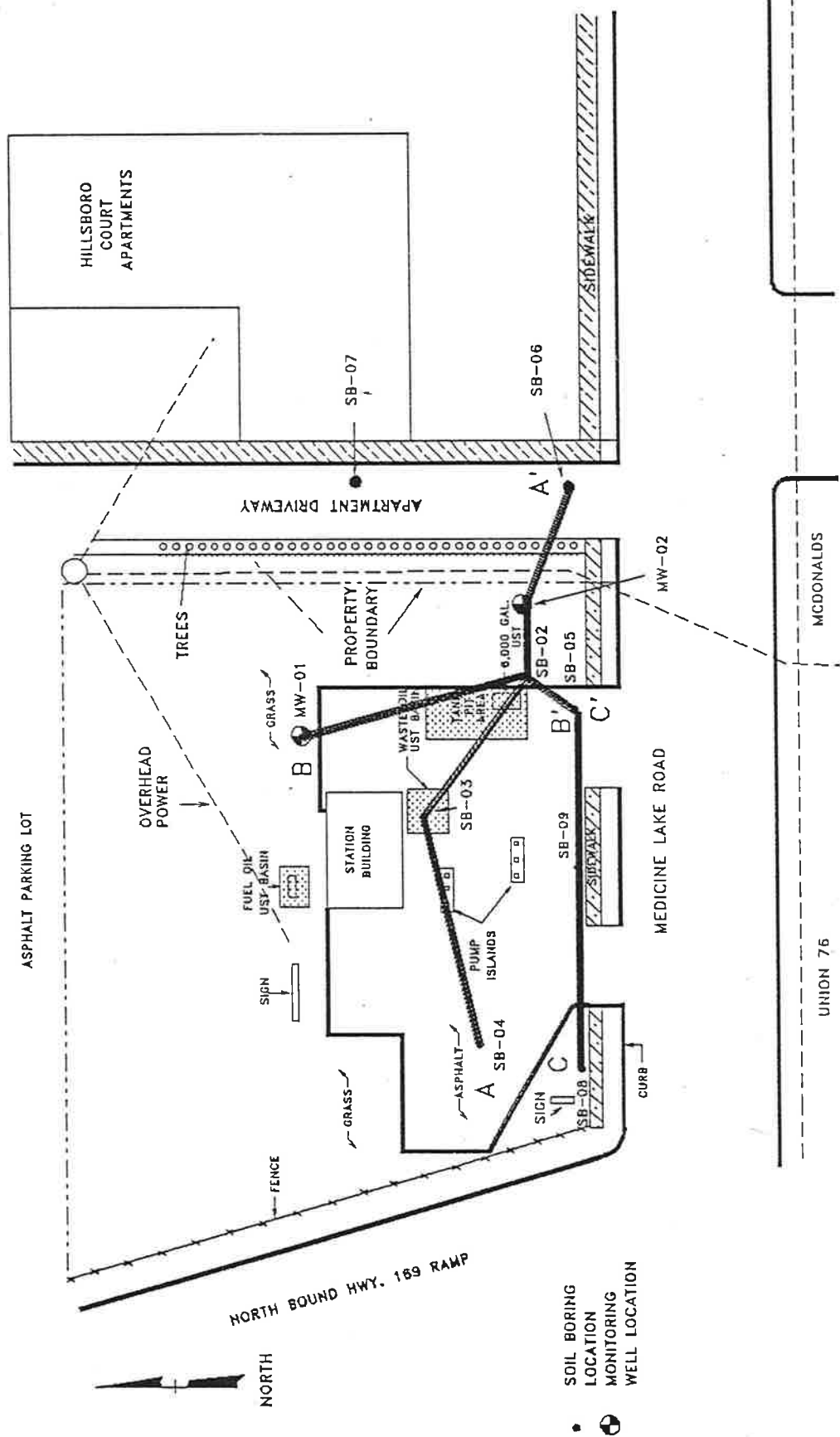


FIGURE 6
 CROSS SECTION LOCATIONS A-A', B-B', C-C'
 SINCLAIR SERVICE STATION
 9456 MEDICINE LAKE ROAD, NEW HOPE, MN

EnecoTech[®]
 ENVIRONMENTAL CONSULTANTS
 BLOOMINGTON, MINNESOTA

PROJECT NO. 711-015	DATE 9/91	SCALE 1" = 50'	PREPARED BY EFW	REVIEWED BY	DATE	REVISION 1	CS

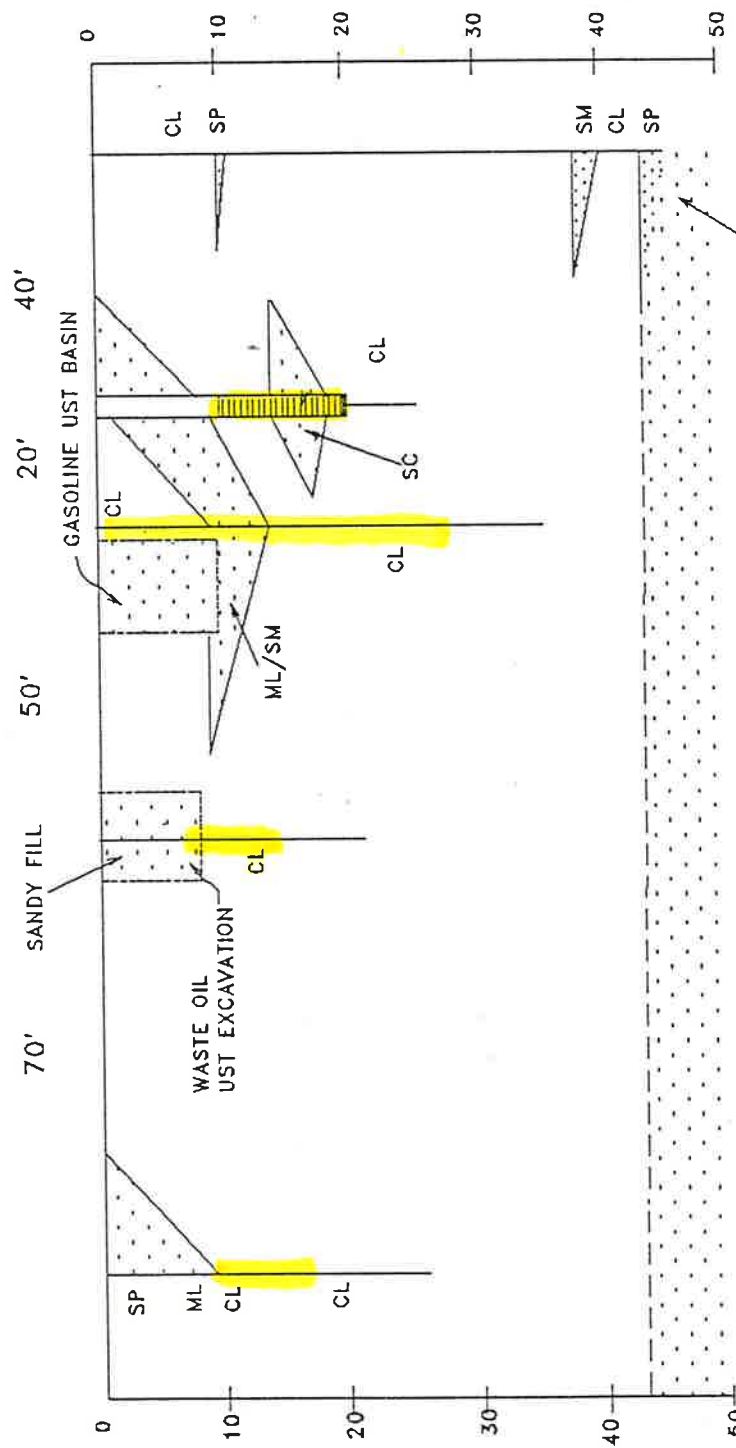
A'
EAST

SB-06

SB-02 MW-02

SB-03

SB-04



HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 15'
VERTICAL EXAGGERATION = 1:2
(DRY, UNSATURATED)

FIGURE 7
GEOLOGIC CROSS-SECTION A-A'
SINCLAIR SERVICE STATION
9456 MEDICINE LAKE ROAD
NEW HOPE, MINNESOTA

EnecoTech®
ENVIRONMENTAL CONSULTANTS
BLOOMINGTON, MINNESOTA

PROJECT NO. 711-015	DATE 9/91	SCALE SEE DRAWING	PREPARED BY EFW/SIIW	REVIEWED BY	DATE	REVISION 1 (EFW)	C3

B
NORTH

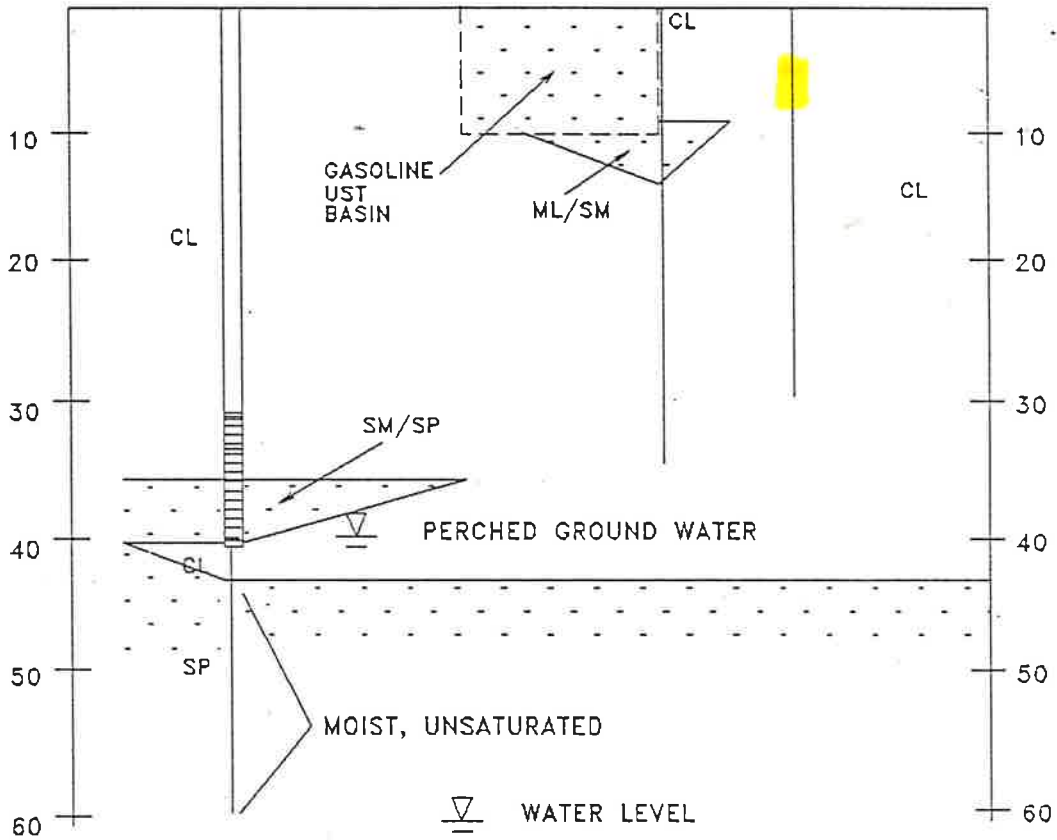
B'
SOUTH

MW-01

SB-02 SB-05

65'

20'



HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 15'
VERTICAL EXAGGERATION = 1:2



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BLOOMINGTON, MINNESOTA

FIGURE 8
GEOLOGIC CROSS-SECTION B-B'
SINCLAIR SERVICE STATION
9456 MEDICINE LAKE ROAD
NEW HOPE, MINNESOTA

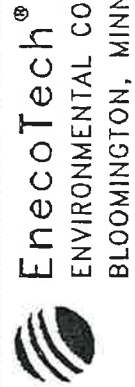
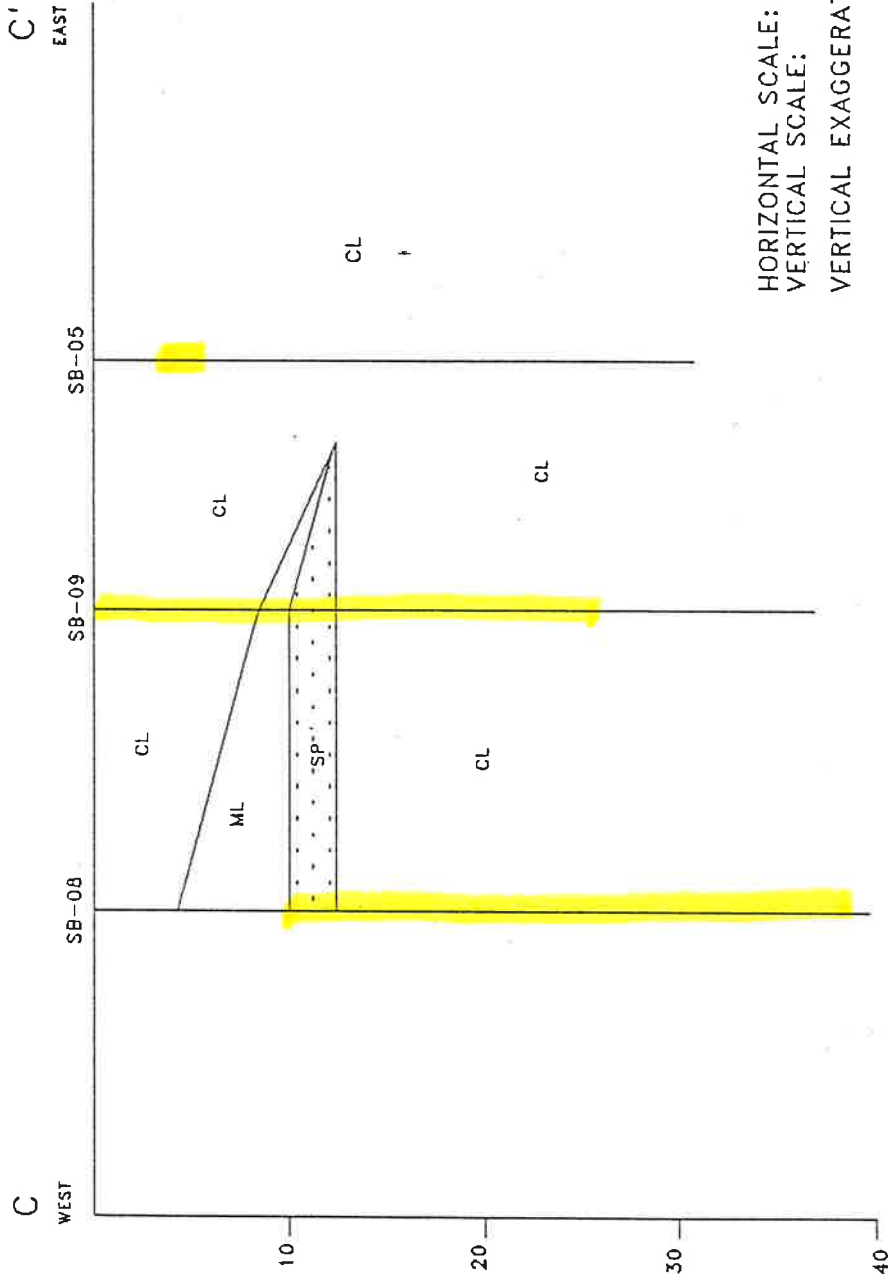
PROJECT NO.	DATE	SCALE	PREPARED BY	REVIEWED BY	DATE	REVISION	
711-015	9/91	SEE DRAWING	EFW/SHW			1 (EFW)	C4

TABLE 3
 SINCLAIR SERVICE STATION
 9456 MEDICINE LAKE ROAD, NEW HOPE, MINNESOTA

SOIL ORGANIC VAPOR DATA

HOLE #	0-4	4-6	9-11	14-16	19-21	24-26	29-31	34-36	39-41	44-46	49-51	54-56	59-61
MW-01	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-02	0	0	11	797	86	3	---	---	---	---	---	---	---
SB-02	0	548	965	148	15.6	4.3	0	0	---	---	---	---	---
SB-03	0	3.7	16.3	0	0	---	---	---	---	---	---	---	---
SB-04	0	0	579	9	0	0	0	---	---	---	---	---	---
SB-05	0	13	3	0	0	0	0	---	---	---	---	---	---
SB-06	0	0	0	0	0	0	0	0	0	0	---	---	---
SB-07	0	0	0	9	0	0	0	---	---	---	---	---	---
SB-08	0	0	0	104	54	42	30	127	30	---	---	---	---
SB-09	45	16	64	49	10	1	0	0	---	---	---	---	---

ALL DATA REPRESENTED IN PARTS PER MILLION (PPM).
 --- BOREHOLE NOT DRILLED TO THIS DEPTH.



ENVIRONMENTAL CONSULTANTS
 BLOOMINGTON, MINNESOTA

FIGURE 9
 GEOLOGIC CROSS SECTION C-C'
 SINCLAIR SERVICE STATION
 9456 MEDICINE LAKE ROAD, NEW HOPE, MN

PROJECT NO.
 711-015

DATE
 9/91

SCALE
 SEE DRAWING

PREPARED BY
 EFW

REVIEWED BY
 DATE

REVISION
 ORIGINAL

C5

TABLE 4
SOIL ANALYTICAL DATA
SINCLAIR SERVICE STATION
9456 MEDICINE LAKE ROAD, NEW HOPE, MN

HOLE SAMP#/ DEPTH (FT)	SAMPLE DATE	BENZENE	TOLUENE	ETHYL- BENZENE	XYLENE	THC AS GASOLINE	THC AS FUEL OIL
MW-01-39	10/17/90	<0.06	<0.11	<0.05	<0.28	<1.2	<1.7
MW-01-59	10/17/90	<0.06	<0.11	<0.05	<0.28	<1.2	<1.7
MW-02-09	10/17/90	0.40	<0.11	<0.05	<0.28	3.4	<1.7
MW-02-14	10/17/90	0.32	0.77	0.12	0.51	5.6	<1.7
SB-02-14	10/17/90	0.73	0.95	0.12	0.65	8.3	<1.7
SB-02-34	10/17/90	<0.06	<0.11	<0.05	<0.28	<1.2	<1.7
SB-03-09	10/17/90	<0.06	<0.11	<0.05	<0.28	*	*
SB-03-19	10/17/90	<0.06	<0.11	<0.05	<0.28	*	*
SB-04-09	10/17/90	<0.06	<0.11	<0.05	<0.28	2.1	8.4
SB-04-24	10/17/90	0.09	<0.11	<0.05	<0.28	<1.2	<1.7
SB-05-12	10/17/90	0.72	0.69	0.12	0.52	7.7	<1.7
SB-05-24	10/17/90	<0.06	<0.11	<0.05	<0.28	<1.2	<1.7
SB-06-46	4/05/91	<0.06	<0.11	<0.05	<0.28	<1.2	<1.4
SB-07-14	4/05/91	<0.06	<0.11	<0.05	<0.28	<1.2	<1.4
SB-07-24	4/05/91	<0.06	<0.11	<0.05	<0.28	<1.2	<1.4
SB-08-10	7/10/91	<0.30	0.76	0.96	4.7	45	220
SB-08-34	7/10/91	0.95	1.1	1.5	8.1	47	8.7
SB-09-10	7/10/91	<0.30	<0.32	<0.20	2.6	20	57
SB-09-34	7/10/91	<0.059	<0.063	<0.041	<0.18	<1.6	<1.4

* SAMPLE NOT ANALYZED FOR THIS PARAMETER
LABORATORY REPORT SHOWS SPECIFIC DETECTION LIMITS USED IN EACH
ANALYSIS. ALL VALUES ARE REPRESENTED IN PARTS PER MILLION (PPM).
SAMPLE DEPTHS ARE IN FEET BELOW GROUND SURFACE (BGS). THC = TOTAL HYDROCARBONS.

SOIL BORING LOG

ENECOTECH, INC. SHEET NO. 1 OF 2

PROJECT NAME - MEDICINE LAKE RD.
 PROJECT NUMBER - 711-015
 CLIENT - SINCLAIR
 LOCATION - 9456 MEDICINE LAKE RD.
 NEW HOPE, MN

DRILLING CONTRACTOR - ETI
 DRILLER - TOM MOORE
 SURFACE ELEVATION -
 DRILLING METHOD - HSA 6.75"

HOLE DESIGNATION - MW-01
 DATE STARTED - 10/12/90
 DATE COMPLETED - 10/12/90
 ENECOTECH SUPERVISOR - S.J.B. & T.R.B.

DEPTH	SAMP NUMBER	SAMP TYPE	PENETRATION RECORD SPLIT SPOON BLOWS				P R E C O V E R T Y	D V M	O S D T O R E N G T H	A S T M B O L	S A M P L E D E S C R I P T I O N (COMPONENTS, COLOR, MOISTURE, NATIVE/FILL)	N O T E S (STRUCTURES, DRILLER'S COMMENTS, GEOLOGIC CLASSIFICATION)
			6"	6"	6"	6"						
0	4	AC	---	---	---	---	0	NONE	CL	SILTY CLAY W/TR GRAVEL, BLK-BRN-GRAY, MOTTLED, MOIST		
4	6	SS	6	7	10	90	0	NONE	CL	SANDY CLAY W/TRACE SILT & GRAVEL,		
6	9	AC	---	---	---	---	0	NONE	CL	BROWN-GRAY-RUST BROWN, MOTTLED, MOIST, VERY STIFF		
9	11	SS	12	9	12	14	0	NONE	CL	SANDY CLAY W/SOME GRAVEL, DK GRAY, MOIST, VERY STIFF		
11	14	AC	---	---	---	---	0	NONE	CL	SAME AS ABOVE		
14	16	SS	3	6	9	10	0	NONE	CL	SAME AS ABOVE		
16	19	AC	---	---	---	---	0	NONE	CL	SAME AS ABOVE		
19	21	SS	7	10	13	15	0	NONE	CL	SAME AS ABOVE		
21	24	AC	---	---	---	---	0	NONE	CL	SAME AS ABOVE		
24	26	SS	15	12	18	18	0	NONE	CL	SAME AS ABOVE, DARK BROWN-GRAY		
26	29	AC	---	---	---	---	0	NONE	CL	SAME AS ABOVE	HARD DRILLING	
29	31	SS	12	22	31	50	0	NONE	CL	SAME AS ABOVE, DARK BROWN-GRAY	CLAYEY SILT LAYER 3" @ 30.5'	

SOIL BORING LOG

PROJECT NAME - MEDICINE LAKE RD.
 PROJECT NUMBER - 711-015
 CLIENT - SINCLAIR
 LOCATION - 9456 MEDICINE LAKE RD.
 NEW HOPE, MN

DRILLING CONTRACTOR - ETI
 DRILLER - TOM MOORE
 SURFACE ELEVATION -
 DRILLING METHOD - HSA 6.75"

HOLE DESIGNATION - MW-01
 DATE STARTED - 10/12/90
 DATE COMPLETED - 10/15/90
 ENECOTECH SUPERVISOR - S.J.B. & T.R.B.

DEPTH	SAMPLE NUMBER	SAND	PENETRATION RECORD SPLIT SPOON BLOWS	PERCENT FINE	DWM	OS	SAMPLE DESCRIPTION (COMPONENTS, COLOR, MOISTURE, NATIVE/FILL)	NOTES (STRUCTURES, DRILLER'S COMMENTS, GEOLOGIC CLASSIFICATION)
31	34	AC	---	---	0	NONE	SAME AS ABOVE	
34	36	SS	14 33 53	100	0	NONE	SILTY CLAY W/SOME GRAVEL & SAND, GRAY, MOIST-MET	SILT LAYER 11' / MOIST-MET
36	39	AC	---	---	0	NONE	SILTY SAND, FINE-MED, W/TR CLAY & SOME GRAVEL, RED BRN	35.5
39	41	SS	36 29 23	60	0	NONE	SAND W/SOME GRAVEL & TRACE SILT, MED, BRN, SATURATED	39-41
41	44	AC	---	---	0	NONE	SILTY CLAY W/SOME GRAVEL, BROWN, MOIST	41-44
44	46	SS	16 23 27	75	0	NONE	SAND W/TRACE GRAVEL, FINE-MEDIUM, LIGHT BROWN, MOIST	
46	49	AC	---	---	0	NONE	SAME AS ABOVE	
49	51	SS	9 19 20	60	0	NONE	SAND W/TRACE GRAVEL, VERY FINE-MED, BRN-LT BRN, MOIST	
51	54	AC	---	---	0	NONE	SAME AS ABOVE	
54	56	SS	19 21 38	75	0	NONE	SAND, VERY FINE-FINE, LT BRN, MOIST, EXTREMELY DENSE	
56	59	AC	---	---	0	NONE	SAME AS ABOVE	
59	61	SS	30 46 70	60	0	NONE	SAND, VERY FINE, LIGHT BROWN, MOIST, EXTREMELY DENSE	

SOIL BORING LOG

ENECOTECH, INC.

HOLE DESIGNATION - MM-02
 DATE STARTED - 10/16/90
 DATE COMPLETED - 10/16/90
 ENECOTECH SUPERVISOR - S.J.B.

DRILLING CONTRACTOR - ETI
 DRILLER - TOM MOORE
 SURFACE ELEVATION - HSA 6.75"
 DRILLING METHOD -

PROJECT NAME - MEDICINE LAKE RD.
 PROJECT NUMBER - 711-015
 CLIENT - SINCLAIR
 LOCATION - 9456 MEDICINE LAKE RD.
 NEW HOPE, MN

DEPTH	SAMPLE NUMBER	SAND STATE	PENETRATION RECORD SPLIT SPOON BLOWS				RECORDED PENETRATION	DVM	O S D T D R E N G T H	A S S Y M B O L	SAMPLE DESCRIPTION (COMPONENTS, COLOR, MOISTURE, NATIVE/FILL)	NOTES (STRUCTURES, DRILLER'S COMMENTS, GEOLOGIC CLASSIFICATION)
			6"	6"	6"	6"						
0			6"	6"	6"	6"	0	NONE	SM	SILTY SAND W/SOME GRAVEL, DARK BROWN-BROWN, MOIST	COBBLE AT 3'	
4		AC	5	4	6	13	0	NONE	ML	CLAYEY SILT, LIGHT BROWN-GRAY, MOIST, VERY STIFF		
6		SS	5	4	6	13	0	NONE	ML	SAME AS ABOVE		
9		AC	1	2	3	5	11	SLIGHT	CL	SILTY CLAY, LIGHT BROWN-GRAY, MOTTLED, WET-SATURATED		
11	MM-2-9	SS	1	2	3	5	23	MOD	CL	SAME AS ABOVE		
14		AC	1	2	3	5	797	STRONG	SC	CLAYEY SAND W/TRACE GRAVEL, FINE-MEDIUM, BROWN-DARK BROWN, MOIST-WET, VERY STIFF	5" SATURATED FINE SAND LAYER 14.5'-15'	
16	MM-2-14	SS	6	7	10	15	0	NONE	SC	SAME AS ABOVE		
19		AC	5	8	11	15	86	MOD	CL	SANDY CLAY W/SOME GRAVEL, DARK GRAY, MOIST		
21		SS	5	8	11	15	0	NONE	CL	SAME AS ABOVE		
24		AC	5	8	11	15	3	NONE	CL	SAME AS ABOVE		
26		SS	6	9	11	13						

SOIL BORING LOG

ENECOTECH, INC. SHEET NO. 1 OF 2

PROJECT NAME - MEDICINE LAKE RD.
 PROJECT NUMBER - 711-015
 CLIENT - SINCLAIR
 LOCATION - 9456 MEDICINE LAKE RD. NEW HOPE, MN

DRILLING CONTRACTOR - ETI
 DRILLER - TOM MOORE
 SURFACE ELEVATION -
 DRILLING METHOD - HSA 6.75"

HOLE DESIGNATION - SB-02
 DATE STARTED - 10/15/90
 DATE COMPLETED - 10/15/90
 ENECOTECH SUPERVISOR - T.R.B.

DEPTH	SAMPLE NUMBER	SAND	PENETRATION RECORD SPLIT SPOON BLOWS				P R E C O R D E V A L U E	O S D T O R E N G T H	A S T S M B O L	SAMPLE DESCRIPTION (COMPONENTS, COLOR, MOISTURE, NATIVE/FILL)	NOTES (STRUCTURES, DRILLER'S COMMENTS, GEOLOGIC CLASSIFICATION)
			6"	6"	6"	6"					
0	4	AF					NONE	CL	SILTY CLAY, TRACE GRAVEL, BROWN, MOIST		
4	6	SS	3	7	14	12	STRONG	CL	SANDY CLAY, TR GRAV & SILT, BRN, GRAY MOTTLING, MOIST		
6	9	AF					STRONG	CL	SAME AS ABOVE		
9	11	SS	3	3	6	6	STRONG	ML	CLAYEY SILT, BROWN-GRAY MOTTLED, MOIST	9'-12'	
11	14	AF					STRONG	SM	SANDY SILT, TRACE CLAY, BLUE GRAY, MOIST	12'-14'	
14	16	SS	10	9	13	15	SLIGHT	CL	SILTY CLAY, 10% GRAVEL, 2" SAND LENS @ 16',		
									MOIST, DARK BROWN		
16	19	AF						CL	SAME AS ABOVE		
19	21	SS	5	7	11	13	NONE	CL	SILTY CLAY, TRACE GRAVEL, MOIST, GRAY		
21	24	AF						CL	SAME AS ABOVE		
24	26	SS	5	8	11	13	NONE	CL	SANDY CLAY, TRACE GRAVEL, BROWN TO DARK GRAY, MOIST		
26	29	AF						CL	SAME AS ABOVE		
29	31	SS	9	14	19	24	NONE	CL	SAME AS ABOVE, BROWN TO RED BROWN, DRY		

SOIL BORING LOG

ENECOTECH, INC. SHEET NO. 1 OF 1

PROJECT NAME - MEDICINE LAKE RD.
 PROJECT NUMBER - 711-015
 CLIENT - SINCLAIR
 LOCATION - 9456 MEDICINE LAKE RD.
 NEW HOPE, MN
 DRILLING CONTRACTOR - ETI
 DRILLER - TOM MOORE
 SURFACE ELEVATION - HSA 6.75"
 DRILLING METHOD - HSA 6.75"
 HOLE DESIGNATION - SB-04
 DATE STARTED - 10/16/90
 DATE COMPLETED - 10/16/90
 ENECOTECH SUPERVISOR - S.J.B.

DEPTH	S A M P L E N U M B E R	S A M P L E T I M E I N G	PENETRATION RECORD SPLIT SPOON BLOWS			P R E C E N T R Y	D V M	O S D T O R E N G T H	A S M B O L	SAMPLE DESCRIPTION (COMPONENTS, COLOR, MOISTURE, NATIVE/FILL)	NOTES (STRUCTURES, DRILLER'S COMMENTS, GEOLOGIC CLASSIFICATION)
			6"	6"	6"						
0		AC				0	---	---	SP	SAND W/ GRAVEL, MEDIUM, BROWN	4" OF ASPHALT
4		SS	4	8	12	80	0	---	CL	SILTY CLAY W/TRACE GRAVEL, LIGHT BROWN, MOIST	
6	SB-04-09	AC					0	---	ML	CLAYEY SILT W/SOME SAND & TR GRAVEL, LT BRN, MOIST	
9		SS	2	8	12	80	579	STRONG	CL	SILTY CLAY, LIGHT BROWN, MOIST, VERY STIFF	
									SM	SILTY SAND W/TRACE GRAVEL, FINE, GRAY, WET	9.5-10 STRONG ODOR
11		AC							CL	SANDY CLAY W/TRACE GRAVEL, BROWN, MOIST	
14		SS	8	13	23	75	9	SLIGHT	CL	SANDY CLAY W/SOME GRAVEL, DARK BROWN-GRAY, MOIST	
16		AC							CL	SAME AS ABOVE	
19		SS	4	5	7	75	0	---	CL	SANDY CLAY W/SOME GRAVEL, DARK GRAY, MOIST	HARD DRILLING
21	SB-04-24	AC					0	---	CL	SAME AS ABOVE	
24		SS	9	13	19	100	0	---	CL	SAME AS ABOVE	

PROJECT NAME - SINCLAIR-NEW HOPE
 PROJECT NUMBER - 711-015
 CLIENT - SINCLAIR
 LOCATION - MEDICINE LAKE ROAD

DRILLING CONTRACTOR - THEIN
 DRILLER - NATHAN
 SURFACE ELEVATION -
 DRILLING METHOD - HSA

HOLE DESIGNATION - SB-06
 DATE STARTED - 4/4/91
 DATE COMPLETED - 4/4/91
 ENECOTECH SUPERVISOR - SPY

DEPTH	S A M P L E N U M B E R	S A M P L E T Y P E	PENETRATION RECORD SPLIT SPOON BLOWS		P R E C O R D E D P E N E T R A T I O N	D V M	O S D T O R E M B L	A S T M B O L	SAMPLE DESCRIPTION (COMPONENTS, COLOR, MOISTURE, NATIVE/FILL)	NOTES (STRUCTURES, DRILLER'S COMMENTS, GEOLOGIC CLASSIFICATION)
			6"	6"						
0	4	AF	6"	6"					SILTY, SANDY CLAY, LIGHT BROWN, MOIST	
4	6	SS		13	90	0	NONE	CL	S.A.A., DRY	
6	9	AF					NONE	CL	S.A.A.	
9	11	SS		33	80	0	NONE	CL	9-10.5' S.A.A.	
11	14							SP	10.5-11.0' MEDIUM SAND, LIGHT BROWN, DRY	
14	16	SS		16	100	0	NONE	CL	SILTY-SANDY CLAY, LIGHT BROWN, DRY	
16	19	AF					NONE	CL	S.A.A.	
19	21	SS		13	10	0	NONE	CL	S.A.A., MIXED WITH GRAVEL	
21	24	AF					NONE	CL	S.A.A., DRY	
24	26	SS		16	90	0	NONE	CL	S.A.A., DRY	
26	29	AF					NONE	CL	S.A.A., DRY	
29	31	SS		37		0	NONE	CL	S.A.A., DRY	

PROJECT NAME - SINCLAIR-NEW HOPE
 PROJECT NUMBER - 711-015
 CLIENT - SINCLAIR
 LOCATION - MEDICINE LAKE ROAD

DRILLING CONTRACTOR - THEIN
 DRILLER - NATHAN
 SURFACE ELEVATION -
 DRILLING METHOD - HSA

HOLE DESIGNATION - SB-07
 DATE STARTED - 4/5/91
 DATE COMPLETED - 4/5/91
 ENECONTECH SUPERVISOR - GVA

DEPTH	SAMPLE NUMBER	PENETRATION RECORD SPLIT SPOON BLOWS	PERCENTAGE	CORRECTION	SOIL TYPE	SAMPLE DESCRIPTION (COMPONENTS, COLOR, MOISTURE, NATIVE/FILL)	NOTES (STRUCTURES, DRILLER'S COMMENTS, GEOLOGIC CLASSIFICATION)	
								6"
0		6" 6" 6"			CL	0-6" ASPHALT, SANDY CLAY, BROWN		
4		-----27-----	60		CL	SANDY-SILT CLAY W/PEBS & SHALE, RED-BROWN, DENSE, MEDIUM PLASTICITY		
5				NONE	CL	S.A.A.		
9		-----21-----	90		CL	SAND-SILT CLAY, OX. IRON MOTTLING, LOW PLAST, MOIST		
10				NONE	CL	SILT CLAY, ORANGE-BROWN, MOIST		
14	SB-07-14	-----17-----	70		SP	MED. TO COARSE-GRAINED SAND, WET		
15				NONE	ML	SANDY SILT, MOIST		
19		-----21-----	90		CH	SAND-SILT CLAY, UNOX. W/SMALL PEBS, V. DENSE, HIGH PLASTICITY, BLUE-GRAY		
20				NONE	CH	S.A.A.		
24	SB-07-24	-----25-----	60		CH	S.A.A.		
25				NONE	CH	S.A.A.		

PROJECT NAME - SINCLAIR-NEW HOPE
 PROJECT NUMBER - 711-015
 CLIENT - SINCLAIR
 LOCATION - MEDICINE LAKE ROAD

DRILLING CONTRACTOR - THEIN
 DRILLER - MIKE
 SURFACE ELEVATION - HSA
 DRILLING METHOD - HSA

HOLE DESIGNATION - SB-08
 DATE STARTED - 7/10/91
 DATE COMPLETED - 7/10/91
 ENECOTECH SUPERVISOR - GVA

DEPTH	SAMPLER NUMBER	SAMPLER TYPE	PENETRATION RECORD		PERCENTAGE	DYNAMIC PENETRATION	SOIL BEHAVIOR	UNSATURATED WATER CONTENT	SAMPLE DESCRIPTION (COMPONENTS, COLOR, MOISTURE, NATIVE/FILL)	NOTES (STRUCTURES, DRILLER'S COMMENTS, GEOLOGIC CLASSIFICATION)
			SPLIT SPOON BLOWS	6" SPOON BLOWS						
0	4	AF							0-3" = ASPHALT	
4	6	SS	17	6"	98	0.5	NONE	CL	3"-4" = SANDY SILTY CLAY, BROWN, MOIST	
6	8	SS	33	6"	98	0	NONE	ML	SILT W/SOME CLAY, 2" SAND LENS AT 5.5', BROWN WITH IRON STAINING, MOIST	
8	10	SS	30	6"	98	0	NONE	ML	SILT W/SOME CLAY, 2" SAND LENS AT 6', BROWN, MOIST	
10	12	SS	45	6"	75	180	STRONG	SP	SAND, MED TO COARSE, W/GRAVEL AND BLACK PIECES OF WEATHERED PETROLEUM, SATURATED	SHEEN ON SPOON
12	14	SS	40	6"	75	104	STRONG	CL	VERY SANDY SILTY CLAY, VERY DENSE, SATURATED	
14	16	SS	40	6"	100	104	MOD	CL	SANDY SILTY CLAY, VERY DENSE, SAND LENS 15-15.5'	LENS CONTAINED WEATHERED PETROLEUM
15	19	AF						CL	SANDY SILTY CLAY, VERY DENSE, DRY	
19	21	SS	32	6"	100	54	SLIGHT	CL	S.A.A., VERY DENSE, GRAY, DRY	
20	24	AF						CL	S.A.A., DRY	

PROJECT NAME - SINCLAIR-NEW HOPE
 PROJECT NUMBER - 711-015
 CLIENT - SINCLAIR
 LOCATION - MEDICINE LAKE ROAD

DRILLING CONTRACTOR - THEIN
 DRILLER - MIKE
 SURFACE ELEVATION -
 DRILLING METHOD - HSA

HOLE DESIGNATION - SB-09
 DATE STARTED - 7/10/91
 DATE COMPLETED - 7/10/91
 ENECOTECH SUPERVISOR - GVA

DEPTH	SAMPLER	SAMPLER TYPE	PENETRATION RECORD SPLIT SPOON BLOWS	CORRECTION	CORRECTION VALUE	SOIL TYPE	MOISTURE	SAMPLE DESCRIPTION (COMPONENTS, COLOR, MOISTURE, NATIVE/FILL)	NOTES (STRUCTURES, DRILLER'S COMMENTS, GEOLOGIC CLASSIFICATION)
0	4	AF				CL	SLIGHT	0-6" = CEMENT, SANDY SILTY CLAY, BROWN, MOIST	
4	6	SS	26			CL	SLIGHT	S.A.A.	
6	8	SS	28					NOTHING IN SPOON	
8	10	SS	20			ML	MOD	SILT WITH SOME CLAY, BROWN-GRAY, MOIST	
10	12	SS	30			SP	STRONG	10-11' = SAND LENS, SATURATED	
12	14	SS	33			CL	STRONG	11-12' = SANDY SILTY CLAY, DENSE, SATURATED	
14	16	SS	25			CL	NONE	S.A.A., DRY	
15	19	AF				CL	NONE	S.A.A., DRY	
19	21	SS	60			CL	NONE	SANDY SILTY CLAY, VERY DENSE, GRAY, DRY	
20	24	AF				CL	NONE	S.A.A.	
24	26	SS	50			CL	NONE	S.A.A.	
25	29	AF				CL	NONE	S.A.A.	

TABLE 5
 SINCLAIR SERVICE STATION
 9456 MEDICINE LAKE ROAD, NEW HOPE, MN

GROUND WATER ANALYTICAL DATA - HYDROCARBON CONSTITUENTS

WELL SAMPLE #	SAMPLE DATE	BENZENE	TOLUENE	ETHYL- BENZENE	XYLENE	TPH-GAS	TPH- FUEL OIL
MW-01	11/12/90	<.00047	<.00092	<.00042	<.0022	.018	.680
MW-01	7/10/91	<.00047	<.00092	<.00042	<.0022	<.013	<.043
MW-02	11/12/90	32	25	1.8	10	250	48
MW-02	5/30/91	19	19	1	9.3	102	26

ND = NOT DETECTABLE BY LABORATORY TEST METHODS
 SEE LABORATORY REPORT FOR DETECTION LIMITS.
 ALL CONCENTRATIONS REPRESENTED IN PARTS PER MILLION (PPM).

TABLE 6
 SINCLAIR SERVICE STATION
 9456 MEDICINE LAKE RD, NEW HOPE, MN

GROUND WATER ANALYTICAL DATA - SOLVENT CONSTITUENTS

SAMPLE #	DATE	1,2 DCA	THF	ETHYL ETHER	MEK
MW-01	11/12/90	<0.00047	<0.0087	<0.0011	<0.0039
MW-01	7/10/91	<0.00047	0.0099	<0.0011	<0.0039
MW-02	11/12/90	0.032	<0.087	<0.011	<0.039
MW-02	5/30/91	<0.240	16.0	1.2	2.0
MDH-RALS		0.004	0.100	1.0	0.300

RESULTS REPRESENTED IN PARTS PER MILLION (PPM).

EnecoTech Midwest, Inc.
3050 Metro Drive • Suite 115
Bloomington, Minnesota 55425
(612) 854-5513 • Fax (612) 854-5515



RECEIVED
FEB 12 1992
MPCA, HAZARDOUS
WASTE DIVISION

February 7, 1992

CERTIFIED MAIL

711-015

Ms. Hearley
Mr. Tetley
Minnesota Pollution Control Agency
520 Lafayette Road
St. Paul, Minnesota 55155

SUBJECT: Remedial Investigation/Corrective Action Design Report
Sinclair Station, 9456 Medicine Lake Road, New Hope, MN

Dear Ms. Hearley and Mr. Tetley:

You will find enclosed one (1) bound copy of the Remedial Investigation/Corrective Action Report for the above referenced site. We are submitting this report on behalf of Sinclair Marketing, Kansas City, Kansas.

The report includes information requested by Mr. Tetley during a December 1991 teleconference regarding the site. The additional information consists of results of tank tests performed in July 1991 and historical information concerning previous uses of the property.

If you have any further questions regarding this report, please do not hesitate to call.

Respectfully,

ENECOTECH MIDWEST, INC.

Kelly W. Kading, CHMM
Project Hydrogeologist

Jeffrey A. Holcomb
Vice President

KWK/JAH:djd

encl.

Barb S.



Minnesota Pollution Control Agency

520 Lafayette Road, Saint Paul, Minnesota 55155-3898

Telephone (612) 296-6300

August 21, 1991

Mr. Denny Lorenz
Sinclair Company
P.O. Box 6247
3401 Fairbanks Avenue
Kansas City, Kansas 66106

Dear Mr. Lorenz:

RE: Contaminated Soil Corrective Action Plan Approval
Site: Sinclair, 9456 Medicine Lake Road, New Hope
Site ID#: LEAK00002433

The Minnesota Pollution Control Agency (MPCA) staff has received your Contaminated Soil Corrective Action Plan received August 5, 1991, documenting the approval of treatment of contaminated soil and additional information relating to the petroleum tank release at the above-referenced site. The MPCA staff hereby approves this plan.

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. Applications 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.

You will be eligible to apply for reimbursement at several subsequent cleanup stages, provided that the necessary additional investigation and cleanup is conducted. The enclosed MPCA fact sheet "Petroleum Tank Release Compensation Account Reimbursement Process" outlines these subsequent stages and the necessary submittals required at these stages.

The MPCA requests that the necessary additional investigation and cleanup continue and that the results are submitted in accordance with the following comments:

1. Document that treatment of the contaminated soil has been implemented or completed by submitting either: 1) A completed copy of the MPCA form "Notification of Land Application of Petroleum Contaminated Soil;" 2) a post-burn notification letter from the thermal treatment facility; or 3) a letter documenting that the soil venting system has been constructed and is operating.
2. Complete all necessary investigation and cleanup and report the results in accordance with the MPCA document "Petroleum Tank Release Reports" (May 1991) and other appropriate MPCA technical documents.

Mr. Denny Lorenz
Page 2
August 21, 1991



3. The completed Remedial Investigation/Corrective Action Design (or Excavation Report, if excavation alone addressed the release) should be submitted to the MPCA no later than 120 days after the date of this letter. If you are unable to meet this deadline, please contact me. Failure to proceed in a timely manner with the necessary additional investigation and corrective action may result in a recommendation for reduction of Petrofund reimbursement.

If you have any questions, you may contact me at 612/297-8581.

Sincerely,

Barb Jablonski

Barbara Jablonski
Pollution Control Specialist, Sr.
Tanks and Spills Section
Hazardous Waste Division

BJ:mm

cc: Kelly Kading, Enecotech

711-015

2433

PETROLEUM CONTAMINATED SOIL
CORRECTIVE ACTION WORKSHEET

Minnesota Pollution Control Agency
Tanks and Spills Section
May 1991

To be eligible for Petroleum Tank Release Compensation Account (Petrofund) reimbursement of costs incurred up to the point that petroleum contaminated soil corrective action plans are approved, this worksheet must be submitted to the Minnesota Pollution Control Agency (MPCA) Tanks and Spills Section for review and approval.

Please complete the following:

- 1) Obtain approval for soil treatment from MPCA staff. (As of May 1, 1991, if thermal treatment is the treatment option, then MPCA approval is granted via the thermal treatment facility; however, the procedures in the MPCA document "Thermal Treatment of Petroleum Contaminated Soil" (April 1991) must have been followed and the MPCA-permitted thermal treatment facility must have agreed to accept the soil).
- 2) Adequately complete this worksheet. The worksheet is an integral element of a soil corrective action plan.
- 3) Send a copy of this worksheet to the MPCA project manager for review and approval. If approved, an approval letter will be sent to the responsible party (or volunteer).
- 4) Submit your Petrofund application to the Department of Commerce accompanied by a copy of the MPCA approval letter. Reimbursable costs are limited to those eligible costs incurred up to the date of the MPCA approval letter that you receive in response to this worksheet. (Note: As of October 1, 1991, the Petrofund application can be submitted to the Department of Commerce at the same time that this worksheet is submitted to the MPCA).

Since the information requested in this worksheet does not cover all aspects of the cleanup and investigation, submittal of the appropriate reports and, possibly, additional site work will still be necessary. For sites involving soil excavation, an excavation report should be prepared in accordance with the MPCA document "Excavation Report for Petroleum Release Sites" (May 1, 1991). If the excavation results indicate that additional investigation or corrective action is necessary at your site, you should begin the investigation promptly and the excavation report should not be submitted until the remedial investigation is complete. The excavation report should then be included as a section of the Remedial Investigation (RI) report.

Additional investigation and corrective action should be conducted in accordance with the MPCA document "Petroleum Tank Release Reports" (May 1, 1991). Results of the additional investigation should be submitted to the MPCA no later than 120 days after the date of the MPCA letter that you will receive in response to this worksheet, approving the proposed soil corrective action plans. If you are unable to meet this deadline, contact the MPCA project manager. An extension may be given on a site-specific basis. Failure to proceed in a timely manner with the necessary additional investigation and corrective action may result in a recommendation for reduction of Petrofund reimbursement.

to type s/a

I. SITE INFORMATION

Site: Sinclair Marketing
 Street: 9456 Medicine Lake Road
 City, Zip: Maple Grove, Minnesota
 County: Hennepin

MPCA Site ID#: LEAK0000 2433

Tank owner/operator (or volunteer): Sinclair Marketing
 Street/Box: 3401 Fairbanks Avenue, P.O. Box 6247
 City, Zip: Kansas City, Kansas 66106
 Telephone: (913) 321-3700

II. TANK INFORMATION AND COMPLIANCE

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 attachments "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/overfill protection. Indicate "YES" or "NO" for the presence or absence of leak detection, corrosion protection and spill/overfill protection.

Tank	Contents	Capacity	Type Of Tank	Date Installed	Date Registered	Date Tank & Piping Removed
1	Super Unleaded	6K	Steel	1964	4/4/86	--
2	Regular	6K	Steel	1964	4/4/86	--
3	Unleaded	6K	Steel	1964	4/4/86	--
4	Empty	6K	Steel	1964	4/4/86	4/13/90
5	Waste Oil	0.56K	Steel	1964	4/4/86	4/13/90

(Tanks Continued)

Tank	Tank			Piping		
	Leak Detection	Corrosion Protection	Spill/Overfill Protection	Type of Piping	Leak Detection	Corrosion Protection
1	NO	NO	NO	Steel	YES	NO
2	NO	NO	NO	Steel	NO	NO
3	NO	NO	NO	Steel	YES	NO
4	NO	NO	NO	Steel	NO	NO
5	NO	NO	NO	Steel	NO	NO

Date 10-day tank removal notice given to MPCA: 3/28/90

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

Removal Contractor: Not Applicable
 Certification Number: Not Applicable

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

Installation Contractor: Not Applicable
 Certification Number: Not Applicable

B. Aboveground Storage Tanks. Complete the following information to reflect the status of your aboveground storage tanks at the time the release was discovered. The registration requirements for aboveground storage tanks are based on the same criteria as the registration requirements for underground storage tanks--refer to the attachments "Do Underground Storage Tank And Piping Requirements Apply to Your Petroleum Tank?" In describing your secondary containment, specify the materials used in the construction of both the base and the walls.

NO ABOVEGROUND STORAGE TANKS ONSITE

Tank	Contents	Capacity	Date Installed	Date Registered	Description of Secondary Containment
1	_____	_____	_____	_____	_____
2	_____	_____	_____	_____	_____
3	_____	_____	_____	_____	_____
4	_____	_____	_____	_____	_____
5	_____	_____	_____	_____	_____

III. SOIL TREATMENT APPROVAL INFORMATION

Treatment used/proposed: ("X" the option)

- Landfarming
- Thermal Treatment (indicate treatment facility C.S. McCrossan)
- Other (Specify _____)

Date MPCA approved soil treatment* : 6/1/90

*If thermal treatment was used/proposed after May 1, 1991, indicate date that the MPCA-permitted thermal treatment facility agreed to accept the soil. Also, unless previously submitted, attach a copy of the thermal treatment application signed by the thermal treatment facility.

IV. PRELIMINARY SITE INVESTIGATION RESULTS

1. Was all soil contaminated above action levels removed from the base and side walls of the excavation? (Soil action levels are described in the MPCA document "Excavation of Petroleum Contaminated Soil" (May 1, 1991))

YES NO

2. Have petroleum vapors been noticed in utilities or buildings?

YES NO

If ground water has not been encountered up to this point in the investigation, go to section V; If ground water has been encountered, continue.

3. Was free product observed on ground water (including perched ground water) in the excavation, soil borings, or in monitoring wells?

YES NO

If free product is found, it must be reported to the MPCA within 24 hours as described in the MPCA document "Petroleum Tank Release Reports" (May 1, 1991). If more than 0.1 foot (approximately one inch) of product is present you will most likely be required to install a product recovery system. Preparations for a product recovery system should begin immediately. All recoverable free product should be removed from the excavation and properly disposed of. Notify the MPCA Tanks and Spills staff of the design and installation of the product recovery system, but do not wait to start the system--it is crucial to begin product recovery as soon as possible. If less than 0.1 foot of product is found, the need for recovery will be based on the results of the Remedial Investigation.

5. Was there a petroleum sheen on the ground water?

YES NO

6. Are there any shallow wells on the site or adjoining properties?

Only monitoring wells.

YES NO

V. INDIVIDUAL PREPARING THIS WORKSHEET:

Company Name: EnecoTech Midwest, Inc.
Street/Box: 3050 Metro Drive, Suite 115
City, Zip: Bloomington, Minnesota 55425
Telephone: (612) 854-5513
Contact: James A. Berg

Signature James A. Berg

Date: 2/29/91

Please mail this worksheet and all necessary attachments to:

Barb Jablonski
(Project Manager)
Minnesota Pollution Control Agency
Hazardous Waste Division
Tanks and Spills Section
520 Lafayette Road North
Saint Paul, Minnesota 55155



C.S. McCrossan Construction, Inc.

General Contractors

Box 1240, 7865 Jefferson Highway, Maple Grove, Minnesota 55369 612/425-4167

RECEIVED

JUL 05 1990

MPCA, HAZARDOUS
WASTE DIVISION

Barbara Jablonski

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

Dear Mr./Ms. Jablonski:

RE: Petroleum Contaminated Soil Disposal

Site: Structure Repair 9456 Medicine Lake Road
Site ID#: Leak 00002433

The treatment of petroleum contaminated soil from the above site as per Minnesota Pollution Control Agency approval letter dated 5/25/90, has been completed as of 6/30/90.

Sincerely,

Bob Dongoske

Bob Dongoske
Asphalt Plant

BD:ra 84.50 cubic yards

Roadway Subcontract



Minnesota Pollution Control Agency

520 Lafayette Road, Saint Paul, Minnesota 55155

Telephone (612) 296-6300



May 25, 1990

Mr. Denny Lorenz
Sinclair Marketing
3401 Fairbanks Avenue
P.O. Box 6247
Kansas City, Kansas 66106

Dear Mr. Lorenz:

RE: Approval for Thermal Treatment of Petroleum Contaminated Soil
Site: Sinclair Retail, 9456 Medicine Lake Road, New Hope
Site ID#: LEAK00002433

Your application dated May 15, 1990, for treatment of approximately 150 cubic yards of petroleum contaminated soil from the above site is hereby approved by staff of the Minnesota Pollution Control Agency (MPCA) subject to the following conditions.

1. Soils will be treated by C.S. McCrossan asphalt plant. Air Quality permit number 785A-86-OT-1.
2. Protection from run-on, infiltration and run-off shall be provided for contaminated soils stored prior to treatment.
3. Soil treatment will be completed June 30, 1990.
4. MPCA staff must be notified of the proposed date of the soil treatment prior to the actual treatment date. Please notify Bob Dullinger of the proposed treatment date.
5. Treated soils shall be incorporated into asphalt.

Within 30 days of soil treatment, MPCA staff shall be provided with a site summary including the MPCA Site ID number, date soil treatment was completed, the volume of contaminated soil processed, post-burn analyses, and final disposition of the processed soil.

Failure to comply with the conditions of this approval may result in enforcement actions against either the generator of the contaminated soil or the facility operators or both. This approval is based on the MPCA staff's understanding that up to 4,000 cubic yards of contaminated soil is needed to conduct a test burn and that the contaminated soil referenced above will be used for that purpose only.

Please contact me at 612/643-3462 or Bob Dullinger at 612/643-3454, if you have questions about this approval or cannot meet any of the above conditions. Thank you.

Sincerely,

Barbara Jablonski

Barbara Jablonski
Pollution Control Specialist Senior
Tanks and Spills Section
Hazardous Waste Division

Thermal Treatment Permission Granted

Bob Dullinger

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

cc: Jonathan Elam, City Administrator, Maple Grove
Greg Lie, Hennepin County Solid Waste Officer
Bob Dongoske, C.S. McCrossan, Maple Grove
Carol E. Carlson, City Administrator, New Hope
Jim Berg, EnecoTech Midwest, Inc., Bloomington

Regional Offices: Duluth • Brainerd • Detroit Lakes • Marshall • Rochester

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FACSIMILE TRANSMITTAL

URGENT _____
Normal ✓

Date: 5/15/90

Number of Pages Including Cover Sheet 6

TO: Robin Livermore

COMPANY: MPCA

FROM: Todd Renville

COMMENTS: Soil burn application

MINNESOTA POLLUTION CONTROL AGENCY
APPLICATION TO TREAT PETROLEUM CONTAMINATED SOIL

I. Source of Soil:

Facility Name: Sinclair Service Station
Address: 9456 Medicine Lake Road
City, State, Zip: New Hope, Minnesota
Site ID#: LEAK 2433

Contact Name: Denny Lorenz
Telephone: (913) 321-4300

II. Contamination Details:

Volume Soil (yd³): 150 yds³

Type Petroleum Contamination gasoline fuel, #2 fuel oil (circle one)

Contaminant Concentration (ppm)

Benzene	<u>60.21</u>	_____	_____
Toluene	<u>7.9</u>	_____	_____
Total Xylenes	<u>53</u>	_____	_____
Total Hydrocarbons as Gasoline or Fuel Oil	<u>420</u>	_____	_____
Lead	<u>4</u>	_____	_____

Percent Soil less than 200 mesh or 74 microns 7.3%

Soil Type (sand, silt, clay, etc.) sand with minor amounts of clay

III. Proposed Asphalt Plant/Low Temperature Thermal Unit

Name: C.S. McCrossan
Address: 2865 Jefferson Hwy
(if portable, where will plant be located)

City, State, Zip: Maple Grove, MN 55369

Plant Number or Model: Standard Plant Model 1064

Contact: Bob Douglas Title: Equipment Manager
Telephone: (612) 425-4167 Site Telephone: (612) 425-1255
Air Quality Permit Number: 785-A-86-0T-1

Separation Distance in feet from Nearest Resident:
Separation Distance in feet from Nearest Business:
Burner Temperature during Soil Treatment:
Soil Residence Time in Burner during Treatment:

658 Ft
517 Ft
225 Degrees F
5 minutes

IV. Include signed statement from asphalt concrete plant owner that the plant has been properly maintained and/or repaired prior to treatment of petroleum contaminated soils and is capable of operating in compliance with MPCA permit conditions and rules.

V. Date treatment will be completed: when delivered (If stockpiled before being treated, all petroleum contaminated soil must be tarped and run-off protection provided.)

VI. Final Disposition of Treated Soil: (how used, location)
(If soils will not be incorporated into asphalt or road base, post burn testing is required. Soils will need to be sampled for the same parameters listed in item II. Two composite soil samples are to be taken for every 300 yard³ of soil.) asphalt or road base

VII. Consultant Submitting Request:

Company Name:
Address:
City, State, Zip:

EnviroTech Midwest, Inc.
3050 Metro Drive, Suite 115
Bloomington, MN 55425

Contact Name:
Telephone:

Jim Berg
(612) 864-5513

Signature:

Jim Berg
5/14/90

Date:



INTERPOLL LABORATORIES, INC.
 4500 BALL ROAD N.E.
 CIRCLE PINES, MINNESOTA 55014-1819
 TEL: 612/786-6020
 FAX: 612/786-7854

May 3, 1990

EnecoTech
 3050 Metro Drive, Suite 115
 Bloomington, MN 55425

Attention: Jim Berg

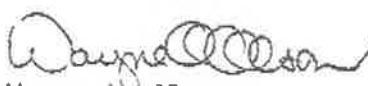
LABORATORY REPORT: #9334
 ENECOTECH PROJECT: #711-015

SAMPLES COLLECTED: April 11, 1990
 SAMPLES RECEIVED: April 12, 1990

Sample Identification:			
Sample Type:		15-TP-C	15-TP-01
Laboratory Log Number:		Soil	Soil
		<u>9334-01</u>	<u>9334-02</u>

<u>Parameter</u>	<u>Units</u>	<u>Target Detection Limit</u>		
EPA Method SW-846, 8020:				
MTBE	mg/Kg	0.06		< 0.26
Benzene	mg/Kg	0.06	< 0.21	< 0.24
Toluene	mg/Kg	0.11	7.9	15
Ethylbenzene	mg/Kg	0.05	3.7	13
Xylenes	mg/Kg	0.28	53	77
EPA Method SW-846, 8015:				
Total hydrocarbons, as gasoline	mg/Kg	1.2	420	400
Dilution factor			4 ¹	4 ¹

Respectfully submitted,


 Wayne A. Olson
 Senior Scientist
 Organic Chemistry Department

WAO/cg
 Invoice Enclosed
 < = less than

¹The achieved detection limit is higher than the targeted detection limit because a smaller sample aliquot was used.

All analyses were performed using EPA or other recognized methodologies. All units are on an "as received" basis unless otherwise indicated.



interpoll

INTERPOLL LABORATORIES, INC.
4500 BALL ROAD N.E.
CIRCLE PINES, MINNESOTA 55014-1819
TEL: 612/786-6020
FAX: 612/786-7854

May 3, 1990

EnecoTech
3050 Metro Drive, Suite 115
Bloomington, MN 55425

Attention: Jim Berg

LABORATORY REPORT: #9348
ENECOTECH PROJECT: #711-015

SAMPLES COLLECTED: April 13, 1990
SAMPLES RECEIVED: April 16, 1990

Sample Identification:
Sample Type:
Laboratory Log Number:

15-TP-C
Soil
9348-01

<u>Parameter</u>	<u>Units</u>	<u>EPA Method</u>	<u>Target Detection Limit</u>	
Lead	mg/Kg	SW-846, 6010	1.3	4

Sample Identification:
Sample Type:
Laboratory Log Number:

TP-02-08
Soil
9348-02

<u>Parameter</u>	<u>Units</u>	<u>EPA Method</u>	<u>Target Detection Limit</u>	
Arsenic	mg/Kg	SW-846, 6010	2.5	< 2.5
Cadmium	mg/Kg	SW-846, 6010	0.5	< 0.5
Chromium	mg/Kg	SW-846, 6010	0.5	5
Lead	mg/Kg	SW-846, 6010	1.3	16
Mercury	mg/Kg	SW-846, 7470	0.06	0.06



INTERPOLL LABORATORIES, INC.
4500 BALL ROAD N.E.
CIRCLE PINES, MINNESOTA 55014-1819
TEL: 612/786-6020
FAX: 612/786-7854

May 3, 1990

EnecoTech
3050 Metro Drive, Suite 115
Bloomington, MN 55425

Attention: Jim Berg

LABORATORY REPORT: #9334-01
ENECOTECH PROJECT: #711-015

SAMPLES COLLECTED: April 11, 1990
SAMPLES RECEIVED: April 12, 1990

Results of Sieve Analysis on Soil¹ Sample #15-TP-C

<u>Mesh Size</u>	<u>Diameter</u>	<u>Relative Cumulative Frequency Percent by Mass Greater Than</u>
18	1000 um	46.2
100	150 um	90.4
200	75 um	92.7

Sieve determination using sieves meeting ASTM E-11 specifications.

Respectfully submitted,

Gregg W. Holman,
Senior Scientist
Inorganic Chemistry Department

GWH/cg

¹Soil sample was oven dried at 105°C.

ENECOTECH

May 10, 1990

RECEIVED

MAY 11 1990

711-011

Ms. Robyn Livermore
Senior Pollution Control Specialist
Minnesota Pollution Control Agency
320 Layfayette Road
St. Paul, MN 55155

MPCA, HAZARDOUS
WASTE DIVISION

Subject: Sinclair Station
9456 Medicine Lake Road, New Hope, Minnesota
Site ID#: Leak 00002433

Dear Ms. Livermore:

The purpose of this letter is to acknowledge, on behalf of Sinclair Marketing, a letter from Mr. David Fawcett of the MPCA, that was received by Sinclair Marketing on April 23, 1990. This letter requested that Sinclair "...take the necessary steps to investigate and clean up the release" in accordance with the outline for Petroleum Tank Release Investigation Report for the above referenced site. In addition, the letter requested a response by May 23, 1990 regarding the following points:

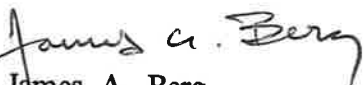
- o whether or not Sinclair intends to proceed with the necessary actions;
- o who Sinclair has chosen to do the work;
- o an implementation schedule,

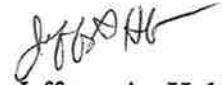
Sinclair does intend to investigate the site and perform corrective actions, if necessary. EnecoTech Midwest has been chosen to do the work. The onsite investigation will be completed within 3 months.

If you have any questions regarding this project, please call Mr. Jim Berg of EnecoTech at 854-5513 or Mr. Denny Lorenz of Sinclair at (913) 321-3700.

Sincerely,

ENECOTECH MIDWEST, INC.


James A. Berg
Project Hydrogeologist


Jeffrey A. Holcomb
Principal

JAB:JAH/hr

cc: Mr. Denny Lorenz, Sinclair Marketing, Kansas City, Kansas



Minnesota Pollution Control Agency

520 Lafayette Road, Saint Paul, Minnesota 55155

Telephone (612) 296-6300



April 27, 1990

Mr. Denny Lorenz
Sinclair Marketing
3401 Fairbanks Avenue
P.O. Box 6247
Kansas City, Kansas 66106

Dear Mr. Lorenz:

RE: Petroleum Storage Tank Release Investigation and Corrective Action
Site: Sinclair Retail, 9456 Medicine Lake Road, New Hope
Site ID#: LEAK00002433

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 "Outline for Petroleum Tank Release Investigation Report." 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).

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.

Mr. Lorenz
Page 2
April 27, 1990

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.

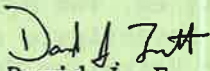
If you conclude that the release in question is not from any tank which you have owned or operated, please notify the MPCA immediately and explain the basis of your conclusion.

A packet of fact sheets is enclosed for your information.

For site specific questions, contact the site's project manager, Robyn L. Livermore, at 612/643-3431. 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 612/643-3435.

Thank you.

Sincerely,



David J. Fawcett
Pollution Control Specialist
Tanks and Spills Section
Hazardous Waste Division

DF:kmf

Enclosures

cc: Daniel J. Donahue, City Manager, New Hope

MINNESOTA PETROLEUM TANK RELEASE COMPENSATION BOARD
Application for Reimbursement

2433
MW
Kjo
clm

PART I APPLICATION PROCESS

Back JAN 11 1995

(Check One) Check appropriate Phase and complete the 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 / / .

State of MN
Dept. of Commerce

DEC 06 1995

OK on 12-7-95
km

[] Phase 2. Submission of Documentation of Soil Treatment

Date Documentation was submitted to MPCA / / .

[] 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)

Ongoing Expenses Following Phase 4 Reimbursement or MPCA Site Closure or Conditional Closure

PART II APPLICANT INFORMATION

Please be advised that the information used to support this application is subject to audit by the MPCA and MDOC.

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

Name: Sinclair Marketing

2. Mailing Address: 6602 Portland Avenue South
Richfield MN 55423 Phone: (612) 869-2436

3. Site ID: Leak # 2433

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

5. Applicant was the owner or operator of the tank from 81 179 to 1 Present

6. Applicant owned property from 1 179 to 1 Present

PETROFUND APPLICATION CONFIRMATION

7. Applicant has executed any Petrofund assignment agreements? yes _____ no X

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

NOTICE SENT _____
This form is effective through December 31, 1992

PART III TANK FACILITY

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

Sindair Service Station

2. Tank Facility address:

9456 Medicine Lake Road
New Hope, MN

3. Contact Person at Tank Facility:

Larry Feldsein

Phone: (612) 869 2436

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:

NA

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

6. Date when petroleum release was detected: 4/12/90

What test was performed to initially establish that a release occurred? Tank Excavation

7. Date when petroleum release was reported to the MPCA: 4/12/90

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

Unknown

b. What was the cause of the release?

Unknown, Discovered impacted soils

during a tank removal

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

PART IV TANK INFORMATION AND COMPLIANCE

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

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

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

Tank	Petroleum Product	Capacity	Type of Tank	Date Installed	Registered Yes/No/Unk	Date Removed
1	Unleaded Gasoline	6,000 gal	STEEL	UNK	UNK	4/12/90
2	Fuel Oil	1,000 gal	STEEL	↓	↓	4/12/90
3	Waste Oil	560 gal	STEEL	↓	↓	4/12/90
4						
5						

Tanks				Piping		
Tank	Leak Detection (Methods)	Corrosion Protection (Yes/No)	Spill/Overflow Protection (Yes/No)	Type of Piping	Leak Detection (Methods)	Corrosion Protection (Yes/No)
1	Unk	NO	NO	Steel	UNK	NO
2	↓	NO	NO	↓	↓	NO
3	↓	NO	NO	↓	↓	NO
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: _____

PART V **ELIGIBLE COSTS**

1. The Eligible Cost Worksheets attached are for INVESTIGATION costs, CLEAN-UP costs, and CONSULTANT costs. These worksheets must be completed listing each corrective action for which you are requesting reimbursement.
2. Invoices submitted with this application cover the period from 2/26/94 to 10/27/95
3. Are any of the costs listed in the Eligible Cost Worksheets in dispute? yes _____ no X
(see application guide)
4. At this time, do you anticipate incurring any Ongoing corrective action costs relative to the petroleum release at this Tank Facility? yes _____ no ✓

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): 84.50 cubic yards
- b. What was the soil contamination concentration (total hydrocarbons) 420 ppm?
6. Has the applicant been eligible to recover cleanup costs arising from this petroleum release under any insurance policy at any time since June 4, 1987? yes _____ no X

If yes, provide the following:

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

_____	_____	_____	_____	<u> / / </u>
_____	_____	_____	_____	<u> / / </u>

7. Total of all eligible costs as listed in the Eligible Cost Worksheets: \$ 3,622.36
X 90%
= \$ 3,260.12

Insurance Reimbursement (Subtract) - \$ (0)
Total Reimbursement Request = \$ 3,260.12
(See application guide)

- 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: EnecoTech Midwest Inc.

Mailing address: 3050 Metro Dr Suite 115

Contact person: Todd Renville Phone: (612) 854-5513

Name of individual or firm: Thein Well Co.

Mailing address: PO Box 429 Clara City, MN 56222

Contact person: Will Greeley Phone: (612) 847-3207

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: () _____

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

PART VII CERTIFICATION (see application guide)

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

"I certify that if I have submitted invoices for costs that I have incurred but that remain unpaid, I will pay these invoices within 30 days 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."

Lawrence F. Feldsien
Signature of Applicant

Witnessed by: [Signature]
Name

Lawrence F. Feldsien
Name (Please Print)

12-5-95
Date

12-5-95
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

Sinclair Oil Corp. "

Lawrence F. Feldsien
Signature

Lawrence F. Feldsien
Name (Please Print)

Engineer
Title (See Application Guide, Part VI)

12-5-95
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) 297-4203
(612) 297-1119

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

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

A. SOIL BORINGS/MONITORING WELLS - ETC.

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

B. LABORATORY TESTS AND ANALYSIS

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

PART IV

ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

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

C. EXCAVATION

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

D. SOIL DISPOSAL

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

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

E. WATER TREATMENT

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

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

F. TRUCKING

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

G. EMERGENCY and TEMPORARY HAZARD CONTROL
(see application guide)

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

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

H. SITE RESTORATION and CLOSURE

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
Abandonment of 2 wells	Thein Well Co.	02598			542.00
TOTAL					542.00

I. OTHER CLEAN-UP or INVESTIGATION COSTS

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

PART IV ELIGIBLE COST WORKSHEET - CONSULTANT SERVICES

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

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Senior Project Project Cost Tracking	EnecoTech	11862	0.25	77.50	19.38
Senior meeting with Sinclair	EnecoTech	11862	0.25	95.00	23.75
Senior Project meeting with Sinclair	EnecoTech	11862	0.25	77.50	19.38
Drafting CAD Prep Figs	EnecoTech	11862	0.50	40.00	20.00
Senior Project Quarterly Rpt Prep	EnecoTech	11862	0.50	77.50	38.75
Senior Staff Scientist QU Update	EnecoTech	11862	0.25	45.00	11.25
Staff Scientist QU Update	EnecoTech	11862	0.50	45.00	22.50
Senior Project Monthly U.D. Prep	EnecoTech	11862	0.50	77.50	38.75
Word Processor Invoice LETTER	EnecoTech	11862	0.25	37.50	9.38
Word Processor 2 copies PetroBoard App/mail	EnecoTech	13525	0.50	37.50	18.75
Project Scientist Project Analysis	EnecoTech	13525	19.00	70.00	1330.00
Senior Project Project Cost Tracking	EnecoTech	13525	0.25	77.50	19.38
Senior Staff Scientist Invoice Review	EnecoTech	13525	0.25	57.50	14.38
Senior Staff Scientist Job Sums	EnecoTech	13525	0.25	57.50	14.38
Senior Staff Scientist PM-Invoicing	EnecoTech	13525	0.25	57.50	14.38
Senior Staff Scientist PM-Invoicing Review	EnecoTech	13525	0.25	57.50	14.38
Senior Staff Scientist Phone w/MPRA Regarding Closure	EnecoTech	13525	0.25	57.50	14.38
Senior Staff Scientist Phone w/MPRA Client Timeline Setup	EnecoTech	13525	1.00	57.50	57.50
Senior Project Prep Monthly Summary	EnecoTech	13525	0.50	77.50	38.75
Word Processor Invoice Letter	EnecoTech	13525	0.25	37.50	9.38
TOTAL					1,748.80

PART V

ELIGIBLE COS WORKSHEET - INVESTIGATION AND CLEAN-UP

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

H. SITE RESTORATION and CLOSURE

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

I. OTHER CLEAN-UP or INVESTIGATION COSTS

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

PART IV ELIGIBLE CO WORKSHEET - CONSULTANT SERVICES

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

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Administrative Assistant Petrofund REB	EnecoTech	13525	0.25	40.00	10.00
Administrative Assistant Petrofund LTR	EnecoTech	13525	0.25	40.00	10.00
Word Processor Copy/mail	EnecoTech	13525	0.25	37.50	9.38
Associate Reimb Prep	EnecoTech	13525	0.25	85.00	21.25
Senior Staff Scientist Pm-Reimb Review	EnecoTech	13525	1.75	57.50	100.63
Associate Reimb App	EnecoTech	13525	0.50	85.00	42.50
Senior Staff Scientist Reimb	EnecoTech	13525	1.25	57.50	71.88
copies	EnecoTech	13525	509	0.10	50.90
Postage	EnecoTech	13525	5.80	1.0	5.80
Senior Staff Scientist Proj MGMT	EnecoTech	13525 ¹⁴⁷⁵⁸	0.25	57.50	14.38
Senior Staff Scientist Project Management	EnecoTech	14758	0.50	60.00	30.00
Senior Staff Scientist Schedule MW Abandonment	EnecoTech	14758	0.50	60.00	30.00
Senior Staff Scientist Bid Prep MW Abandonment Scheduling	EnecoTech	14758	1.25	60.00	75.00
Senior Staff Scientist Phone w/ MPCA	EnecoTech	14758	0.25	60.00	15.00
Word Processor Admin Support	EnecoTech	14758	0.25	37.50	9.38
Staff Scientist Prep, Deprep	EnecoTech	14758	1.25	50.00	62.50
Staff Scientist Travel	EnecoTech	14758	1.50	50.00	75.00
Staff Scientist Abandon 2 Wells	EnecoTech	14758	2.00	50.00	100.00
copies	EnecoTech	14758	30	0.10	0.30
mileage	EnecoTech	14758	40.0	0.40	16.00
TOTAL					749.90

PART V

ELIGIBLE COST WORKSHEET - INVESTIGATIVE AND CLEAN-UP

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

H. SITE RESTORATION and CLOSURE

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

I. OTHER CLEAN-UP or INVESTIGATION COSTS

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

PART IV ELIGIBLE COST WORKSHEET - CONSULTANT SERVICES

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

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Senior Staff Scientist Subcontractor Invoice Review	EnecoTech	15187	0.25	60.00	15.00
Senior Staff Scientist Project Management Invoice Review	EnecoTech	15187	0.25	60.00	15.00
Word Processor Copy / mail	EnecoTech	15187	0.25	37.50	9.38
Staff Scientist Closure RPT	EnecoTech	15187 15187	9.00	50.00	450.00
Word Processor Admin Support	EnecoTech	15187	0.25	37.50	9.38
Copies	EnecoTech	15187	6.0	0.10	0.60
Postage	EnecoTech	15187	0.32	1.0	0.32
Copies	EnecoTech	15187	6.0	0.10	0.60
Copies	EnecoTech	15187	119.0	0.10	11.90
Copies	EnecoTech	15187	1.0	0.10	0.10
Senior Staff Scientist Project Management	EnecoTech	15353	0.75	60.00	45.00
Senior Staff Scientist Project Management	EnecoTech	15353	0.25	60.00	15.00
Word Processor Admin Support	EnecoTech	15353	0.25	37.50	9.38
TOTAL					581.66

PART V ELIGIBLE CO. WORKSHEET - INVESTIGATION AND CLEAN-UP

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

H. SITE RESTORATION and CLOSURE

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

I. OTHER CLEAN-UP or INVESTIGATION COSTS

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

Supp

MINNESOTA PETROLEUM TANK RELEASE COMPENSATION BOARD
Application for Reimbursement

2433

~~27,353~~
\$ 24,635.43

PART I APPLICATION PROCESS

Due Back 3-6-95

CLM

DEC 16 1994

(Check One)

Check appropriate Phase and complete the 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 Documentation of Soil Treatment

Date Documentation was submitted to MPCA / /.

[X] Phase 3. MPCA approval of Comprehensive Corrective Action Plan (CCAP)

a) Date of CCAP approval 3/21/95. (Attach copy)

b) Date CCAP was submitted to MPCA 2/15/95.

[] Phase 4. Submission of CCAP Installation Letter to MPCA

Date of CCAP Installation Letter / /. (Attach copy)

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

on 11/30/95
Bree

PART II APPLICANT INFORMATION

Please be advised that the information used to support this application is subject to audit by the MPCA and MDOC.

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

Name: Sinclair Marketing

2. Mailing Address: 6602 Portland Avenue South
Richfield, MN 55423 Phone: (612) 869 2436

3. Site ID: Leak # 2433

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

5. Applicant was the owner or operator of the tank from 1/179 to Present

6. ~~PETROFUND~~ Applicant owned property from 1/179 to Present

APPLICATION CONFIRMATION

7. Applicant has executed any Petrofund assignment agreements? yes _____ no [X]

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

NOTICE SENT

This form is effective through December 31, 1992

PART III TANK FACILITY

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

Sinclair Service Station

2. Tank Facility address:

9456 Medicine Lake Road
New Hope, MN

3. Contact Person at Tank Facility:

Larry Feldsein

Phone: (612) 869 2434

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:

N/A

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: 4/12/90

What test was performed to initially establish that a release occurred? Tank Excavation

7. Date when petroleum release was reported to the MPCA: 4/12/90

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

Unknown

b. What was the cause of the release?

Unknown Discovered Impacted soils
during Tank Removal

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

PART IV

TANK INFORMATION AND COMPLIANCE

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

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

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

Tank	Petroleum Product	Capacity	Type of Tank	Date Installed	Registered Yes/No/Unk	Date Removed
1	Unleaded Gasoline	6,000 gal	STEEL	UNK	UNK	4/12/90
2	Fuel Oil	1,000 gal	STEEL	↓	↓	4/12/90
3	Waste Oil	560 gal	STEEL	↓	↓	4/12/90
4						
5						

Tank	Tanks			Piping		
	Leak Detection (Methods)	Corrosion Protection (Yes/No)	Spill/Overflow Protection (Yes/No)	Type of Piping	Leak Detection (Methods)	Corrosion Protection (Yes/No)
1	Unk	No	No	Steel	Unk	No
2	↓	No	No	↓	↓	No
3	↓	No	No	↓	↓	No
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: _____

PART V ELIGIBLE COSTS

- 1. The Eligible Cost Worksheets attached are for INVESTIGATION costs, CLEAN-UP costs, and CONSULTANT costs. These worksheets must be completed listing each corrective action for which you are requesting reimbursement.
- 2. Invoices submitted with this application cover the period from 2/23/91 to 3/25/94
7/11/94 MD4 Maintenance Permit 7/11/94
- 3. Are any of the costs listed in the Eligible Cost Worksheets in dispute? yes ___ no X
(see application guide)
- 4. At this time, do you anticipate incurring any Ongoing corrective action costs relative to the petroleum release at this Tank Facility? yes ✓ no ___

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

Ongoing costs will entail monitoring well abandonment at the time of regulatory closure. Estimated cost of this work is \$3,000.00.

- 5. a. Please state the total amount of contaminated soil which was excavated at this site (cubic yards or tons): 84.50 cubic yards
- b. What was the soil contamination concentration (total hydrocarbons) 420 ppm?
- 6. Has the applicant been eligible to recover cleanup costs arising from this petroleum release under any insurance policy at any time since June 4, 1987? yes ___ no X

If yes, provide the following:

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

- 7. Total of all eligible costs as listed in the Eligible Cost Worksheets: \$ 27,338.38 26,354
X 90%
= \$ 24,604.54 23,971.87

Insurance Reimbursement (Subtract) - \$ ()
Total Reimbursement Request (See application guide) = \$ 24,604.54
\$ 23,971.87

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: Enecotech Midwest Inc.

Mailing address: 3050 Metro Drive Suite 115

Contact person: Todd Rouville Phone: (612) 854 5513

Name of individual or firm: Thein Well Co.

Mailing address: P.O. Box 429 Clane City, MN 56222

Contact person: Will Greeley Phone: (612) 847 3207

Name of individual or firm: Road Runner Transportation Inc

Mailing address: 2395 Cape Road St Paul MN 55114

Contact person: Al Coley Phone: (612) 644 8787

Name of individual or firm: Interpoll Labs Inc

Mailing address: 41500 Ball Road, N.E. Circle Pines, MN 55014

Contact person: Jeanne Oniel Phone: (612) 786 6020

Name of individual or firm: Horizon Lab Inc

Mailing address: 5155 East River Road Suite 416 (Mpls, MN)

Contact person: Gerard Herro Phone: (612) 572 0425

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

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

- * Descriptions must be specific as to work performed.
- * Invoices must be submitted for each cost listed below.
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- * Duplicate this form if additional worksheets are needed.

A. SOIL BORINGS/MONITORING WELLS - ETC.

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Soil Borings	Thein Well Co.	4220	1	1565.50	1565.50
Soil Boring	Thein Well Co.	4307	1	2,003.00	2,003.00
TOTAL					3568.50

B. LABORATORY TESTS AND ANALYSIS

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Water Samples	Interpoll Labs	13927	1	218.00	218.00
Lab Costs water samples	Interpoll Labs	14425	1	768.00	768.00
Lab Costs	Interpoll Labs	14921	1	363.00	363.00
Lab Costs	Honigon	100775	1	760.00	760.00
Lab Costs	Honigon	100841	1	95.00	95.00
TOTAL					2204.00

PART VII CERTIFICATION (see application guide)

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

"I certify that if I have submitted invoices for costs that I have incurred but that remain unpaid, I will pay these invoices within 30 days 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."

Lawrence F. Feldsien

Signature of Applicant

Sinclair Marketing Co.

Lawrence F. Feldsien

Name (Please Print)

12-16-94
Date

Witnessed by:

Barbara Conley

Name

12-16-94
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

Sinclair Marketing Co.

L. F. Feldsien

Signature

Lawrence F. Feldsien

Name (Please Print)

Engineer

Title (See Application Guide, Part VI)

12-16-94

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) 297-4203
(612) 297-1119**

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

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

C. EXCAVATION

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

D. SOIL DISPOSAL

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

PART IV **ELIGIBLE COS. WORKSHEET - INVESTIGATION AND CLEAN-UP**

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

E. WATER TREATMENT

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

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

F. TRUCKING

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

G. EMERGENCY and TEMPORARY HAZARD CONTROL
(see application guide)

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

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

H. SITE RESTORATION and CLOSURE

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
TOTAL					

I. OTHER CLEAN-UP or INVESTIGATION COSTS

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub- total
Maintenance Permit	Minnesota Department of Health	9-13-93	1	50.00	50.00
Maintenance Permit	Minnesota Department of Health	7-11-94	1	100.00	100.00
TOTAL					50.00

PART IV ELIGIBLE COST WORKSHEET - CONSULTANT SERVICES

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

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Project Management	Enecotech	711-015-11	.50	65.00	32.50
Project Management	Enecotech	711-015-11	1.25	65.00	81.25
Project Management	Enecotech	711-015-11	.75	65.00	48.75
Field Coordination	Enecotech	711-015-11	1.00	65.00	65.00
Field Coordination	Enecotech	711-015-11	1.25	40.00	50.00
Miscellaneous	Enecotech	711-015-11	.75	35.00	26.25
Miscellaneous	Enecotech	711-015-11	.25	35.00	8.75
Travel Mileage	Enecotech	711-015-12	1.00	18.80	18.80
Out of Scope Postage	Enecotech	711-015-12	1.00	.45	.45
Out of Scope copy	Enecotech	711-015-12	18.00	.10	1.80
Out of Scope Postage	Enecotech	711-015-12	1.80	.14	.14
Project Management Monthly Invoice	Enecotech	711-015-12	.25	65.00	16.25
Report Preparation (out of scope)	Enecotech	711-015-12	1.00	40.00	40.00
Travel Time	Enecotech	711-015-12	1.00	40.00	40.00
Report Preparation Mileage	Enecotech	711-015-13	31.00	.40	12.40
Report Preparation Copy Water logs	Enecotech	711-015-13	1.80	18.44	18.44
Report Preparation Mileage	Enecotech	711-015-13	10.00	.40	4.00
Report Preparation Mileage	Enecotech	711-015-13	16.00	.40	6.40
Report Preparation well records m/s	Enecotech	711-015-13	1.00	2.33	2.33
Report Preparation MPA	Enecotech	711-015-13	1.00	10.80	10.80
TOTAL					484.31

PART IV ELIGIBLE COS. WORKSHEET - INVESTIGATION AND CLEAN-UP

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

K. MARK-UP

Description	Firm Name	General Contractor Invoice #	Sub-Contractor Invoice #	Mark Up %	Sub-Total
Soil Boring Drillers Then Wellie	Enecotech	711-015-12	4220	12%	187.86
Freight/Shipping (Samples)	Enecotech	711-015-12	77071	12%	1.30
Handling Charge Ice Purchase	Enecotech	711-015-13		12%	.14
Copies of Well Logs MGS	Enecotech	711-015-13		12%	2.21
Well Record Copies MGS	Enecotech	711-015-13		12%	.28
MPPA Copies	Enecotech	711-015-13		12%	1.30
Lab Posts (Interpoll)	Enecotech	711-015-14	13927	12%	26.16
TOTAL					219.75

L. OTHER CONSULTANT SERVICES (specify)

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Field Work (exm)	Enecotech	711-015-12	1.00	30.00	30.00
Field Work (Gloves)	Enecotech	711-015-12	3.00	.50	1.50
Field Work Jugs	Enecotech	711-015-12	4.00	4.00	16.00
Freight Shipping Samples	Road Runner	77071	1.00	15.00	15.00
Field Work Drilling	Enecotech	711-015-12	3.50	40.00	140.00
Field Work Drilling	Enecotech	711-015-12	2.00	40.00	80.00
Field Work Ice	Enecotech	711-015-12	1.00	1.16	1.16
Field Work Prep O/I	Enecotech	711-015-12	1.00	50.00	50.00
TOTAL					333.06

PART IV ELIGIBLE COST WORKSHEET - CONSULTANT SERVICES

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

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Project Management ^{Monthly Invoice}	Enecotech	711-015-13	1.00	65.00	65.00
Project Management ^{Monthly Invoice}	Enecotech	711-015-13	.50	65.00	32.50
Project Management	Enecotech	711-015-13	.50	65.00	32.50
Report Preparation ^{Review}	Enecotech	711-015-13	4.00	65.00	260.00
Report Preparation ^{Cross Sec Map}	Enecotech	711-015-13	5.50	65.00	357.00
Report Preparation ^{MPCA RPT}	Enecotech	711-015-13	3.00	40.00	120.00
Report Preparation ^{R/AD RPT}	Enecotech	711-015-13	10.25	65.00	666.25
Report Preparation ^{RPT Prep}	Enecotech	711-015-13	9.50	65.00	617.50
Report Preparation ^{Map, Tables, Logs}	Enecotech	711-015-13	6.50	40.00	260.00
Report Preparation ^{Map Cross section}	Enecotech	711-015-13	11.50	40.00	460.00
Report Preparation ^{MGS well log Maps}	Enecotech	711-015-13	7.00	40.00	280.00
Report/Correspondence ^{Purdox}	Enecotech	711-015-14	.50	10.00	5.00
Report/Correspondence ^{Computer}	Enecotech	711-015-14	1.00	10.00	10.00
Miscellaneous Costs ^{Copies}	Enecotech	711-015-14	12.00	.10	1.20
Miscellaneous Costs ^{Postage}	Enecotech	711-015-14	1.00	1.33	1.33
Project Management ^{Monthly Invoice}	Enecotech	711-015-14	.25	70.00	17.50
Project Management ^{Review of Invoice}	Enecotech	711-015-14	2.25	70.00	157.50
Project Management ^{Invoice Drafting}	Enecotech	711-015-14	2.25	70.00	157.50
Project Management ^{Worksheet}	Enecotech	711-015-14	.25	70.00	17.50
Project Management ^{Quarterly Planning}	Enecotech	711-015-14	.25	70.00	17.50
TOTAL					3535.75

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

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K. MARK-UP

Description	Firm Name	General Contractor Invoice #	Sub-Contractor Invoice #	Mark Up %	Sub-Total
Field Work Road Runner Drilling	Enecotech	711-015-14	81821	12%	1.80
Lab Costs Intropoll	Enecotech	711-015-15	14425	12%	22.06
Miscellaneous Costs Road Runner	Enecotech	711-015-15	91226	12%	.79
Soil Boring	Enecotech	711-015-16	4307	12%	240.36
Lab Costs Intropoll	Enecotech	711-015-16	14921	12%	43.56
Document/Back Ground R. Parking	Enecotech	711-015-18	—	12%	.13
Travel Costs Fed Ex	Enecotech	711-015-20	—	12%	1.80
Lab Costs Ferguson	Enecotech	711-015-23	100775	12%	91.20
TOTAL					471.80

L. OTHER CONSULTANT SERVICES (specify)

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Field Work 40 ml GCA	Enecotech	711-015-13	3.00	1.70	5.10
Field Work 250 Jar	Enecotech	711-015-13	1.00	4.00	4.00
Field Work Gloves	Enecotech	711-015-13	2.00	.50	1.00
Field Work Disp Barbers	Enecotech	711-015-13	2.00	10.00	20.00
Field Work Van	Enecotech	711-015-13	1.00	35.00	35.00
Field Work mileage	Enecotech	711-015-13	22.00	0.40	8.80
Field Work 100ml jars	Enecotech	711-015-13	1.00	5.00	5.00
Field Work Rope	Enecotech	711-015-13	70.00	.50	35.00
TOTAL					113.90

PART IV ELIGIBLE COST WORKSHEET - CONSULTANT SERVICES

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Project Management ^{Work Sheet}	Enecotech	711-015-14	.75	70.00	52.50
Project Management ^{Sampling}	Enecotech	711-015-14	.50	70.00	35.00
Project Travel	Enecotech	711-015-14	1.50	42.00	63.00
Project Travel	Enecotech	711-015-14	.75	42.00	31.50
Project Travel	Enecotech	711-015-14	.75	42.00	31.50
Field Coordination ^{Field Coord}	Enecotech	711-015-14	.50	42.00	21.00
Field Coordination ^{Field Prep}	Enecotech	711-015-14	.50	42.00	21.00
Field Sampling ^{Sample Prep}	Enecotech	711-015-14	1.00	42.00	42.00
Field Sampling ^{Deliver Samples}	Enecotech	711-015-14	.75	35.00	26.25
Field Sampling ^{M/V Sampling}	Enecotech	711-015-14	1.25	42.00	52.50
Field Sampling ^{Sampling}	Enecotech	711-015-14	1.00	42.00	42.00
Field Construction ^{Misc Admin}	Enecotech	711-015-14	.25	35.00	8.75
Data Evaluation ^{Handling}	Enecotech	711-015-14	1.00	42.00	42.00
Report/Correspondence Prep ^{Wat Analyt Database}	Enecotech	711-015-14	.25	42.00	10.50
Report/Correspondence Prep ^{RPT Prep}	Enecotech	711-015-14	1.50	70.00	105.00
Report/Correspondence Prep ^{RI/CAD Prep}	Enecotech	711-015-14	8.25	70.00	577.50
Report/Correspondence Prep ^{RI/CAD}	Enecotech	711-015-14	16.75	70.00	1172.50
Administration Support	Enecotech	711-015-14	.25	30.00	7.50
Project Management ^{Site Visit}	Enecotech	711-015-14	1.00	8.00	8.00
Project Travel ^{Time}	Enecotech	711-015-14	1.00	35.00	35.00
TOTAL					2355.00

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

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K. MARK-UP

Description	Firm Name	General Contractor Invoice #	Sub-Contractor Invoice #	Mark Up %	Sub-Total
Leak Tests	Enecotech	711-015-24	100941	12%	11.40
TOTAL					11.40

L. OTHER CONSULTANT SERVICES (specify)

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Field work ^{Gauge & Sample}	Enecotech	711-015-13	3.00	40.00	120.00
Subcontractor ^{Copies MPEA reads}	Enecotech	711-015-14	1.00	10.80	10.80
Field Work ^{Drilling}	Enecotech	711-015-14	6.25	42.00	262.50
Field Work ^{Road Runner} Drilling	Enecotech	711-015-14	1.00	15.00	15.00
Field Work ^{Drilling} Jaws	Enecotech	711-015-14	13.00	4.00	52.00
Field work ^{1000ml} Drilling	Enecotech	711-015-14	1.00	5.00	5.00
Field work ^{LOA's} Drilling	Enecotech	711-015-14	3.00	1.70	5.10
Field Work ^{CVM} Drilling	Enecotech	711-015-14	1.00	60.00	60.00
TOTAL					530.40

PART IV ELIGIBLE COST WORKSHEET - CONSULTANT SERVICES

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Project Travel Time ^{mileage}	Enecotech	711-015-14	39.00	.40	15.60
Field Sampling / Sample Prep ^{mileage}	Enecotech	711-015-14	1.00	10.00	10.00
Field Sampling / Prep ^{Salts}	Enecotech	711-015-14	1.00	100.00	100.00
Field Sampling / Prep ^{Pope}	Enecotech	711-015-14	65.00	.50	32.50
Field Sampling / Prep ^{Buffers}	Enecotech	711-015-14	2.00	15.00	30.00
Field Sampling / Prep ^{Manure, Elements}	Enecotech	711-015-14	2.00	.50	1.00
Field Sampling / Prep ^{PH}	Enecotech	711-015-14	2.00	2.00	4.00
Field Sampling / Prep ^{VOCS}	Enecotech	711-015-14	6.00	1.70	10.20
Field Sampling / Prep ^{Gas Jars}	Enecotech	711-015-14	2.00	4.00	8.00
Field Sampling / Prep ^{Light Jars}	Enecotech	711-015-14	2.00	5.00	10.00
Field Sampling / Prep ^{Lead Filters}	Enecotech	711-015-14	2.00	10.00	20.00
Field Construction / Supervision ^{Copy}	Enecotech	711-015-14	31.00	.10	3.10
Data Evaluation ^{Computer}	Enecotech	711-015-14	.50	10.00	5.00
Project Travel Time ^{Vans}	Enecotech	711-015-15	1.00	35.00	35.00
Project Travel Time ^{mileage}	Enecotech	711-015-15	20.00	.25	5.00
Dialing ^{Pump time}	Enecotech	711-015-15	.50	10.00	5.00
Dialing ^{Pump time}	Enecotech	711-015-15	1.00	10.00	10.00
Truck Stop ^{Pump time}	Enecotech	711-015-15	3.00	10.00	30.00
Dialing ^{Pump time}	Enecotech	711-015-15	2.00	10.00	20.00
Report Correspondence ^{Pump time}	Enecotech	711-015-15	2.00	10.00	20.00
TOTAL					387.40

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

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K. MARK-UP

Description	Firm Name	General Contractor Invoice #	Sub-Contractor Invoice #	Mark Up %	Sub-Total
TOTAL					

L. OTHER CONSULTANT SERVICES (specify)

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Field Work Drilling - Bailens	Enecotech	711-015-14	1.00	10.00	10.00
Field Work Drilling - Rupte	Enecotech	711-015-14	45.00	.50	22.50
Field Work Drilling - GPS and WI	Enecotech	711-015-14	1.00	50.00	50.00
Field Work Drilling - INNER CIRCLES	Enecotech	711-015-14	6.00	.50	3.00
Field Work Testing - CUM	Enecotech	711-015-15	1.00	60.00	60.00
Field Work Testing - Explosive Pen	Enecotech	711-015-15	1.00	10.00	10.00
Miscellaneous - Road Runner Posts	Road Runner	91226	1.00	6.02	6.02
Field Work Field Testing - Vapor	Enecotech	711-015-15	1.00	40.00	40.00
TOTAL					204.12

PART IV ELIGIBLE COST WORKSHEET - CONSULTANT SERVICES

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Report Correspondence	Enecotech	711-015-15	1.00	10.00	10.00
Project Management	Enecotech	711-015-15	.25	70.00	17.50
Project Management	Enecotech	711-015-15	.50	70.00	35.00
Project Management	Enecotech	711-015-15	.75	70.00	52.50
Project Management	Enecotech	711-015-15	.25	42.00	10.50
Field Sampling	Enecotech	711-015-15	.50	70.00	35.00
Data Evaluation	Enecotech	711-015-15	.25	42.00	10.50
Drafting (Report) RPT	Enecotech	711-015-15	9.00	42.00	378.00
Drafting Map	Enecotech	711-015-15	4.00	42.00	168.00
Document/Background Review	Enecotech	711-015-15	.50	42.00	21.00
Report Correspondence Prep	Enecotech	711-015-15	7.25	70.00	507.50
Report Correspondence Prep RPT	Enecotech	711-015-15	.75	35.00	26.25
Report Correspondence Prep	Enecotech	711-015-15	9.25	70.00	647.50
Report Correspondence Prep	Enecotech	711-015-15	.75	35.00	26.25
Report Correspondence Prep	Enecotech	711-015-15	5.00	70.00	350.00
Administrative Support Misc Admin	Enecotech	711-015-15	.50	35.00	17.50
Travel Costs Travel Time	Enecotech	711-015-15	1.00	70.00	70.00
Miscellaneous Costs	Enecotech	711-015-16	25.00	.10	2.50
Miscellaneous Costs Postage	Enecotech	711-015-16	1.00	6.10	6.10
Miscellaneous Costs Postage	Enecotech	711-015-16	1.00	.43	.43
TOTAL					2392.03

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

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K. MARK-UP

Description	Firm Name	General Contractor Invoice #	Sub-Contractor Invoice #	Mark Up %	Sub-Total
TOTAL					

L. OTHER CONSULTANT SERVICES (specify)

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
TOTAL					

PART IV ELIGIBLE COST WORKSHEET - CONSULTANT SERVICES

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Project Management ^{Invoice}	Enecotech	711-015-16	.25	70.00	17.50
Project Management ^{Invoice}	Enecotech	711-015-16	.25	70.00	17.50
Project Management ^{Invoice}	Enecotech	711-015-16	.25	70.00	17.50
Project Meetings ^{Project Summary}	Enecotech	711-015-16	1.75	70.00	122.50
Project Meetings ^{Project MFG/DL/Perms}	Enecotech	711-015-16	.50	60.00	30.00
Data Handling Evaluation	Enecotech	711-015-16	.75	42.00	31.50
Data Evaluation Handling	Enecotech	711-015-16	.50	42.00	21.00
Data Evaluation Handling	Enecotech	711-015-16	.25	42.00	10.50
Drafting ^{DCAD Map}	Enecotech	711-015-16	.50	42.00	21.00
Report/Correspondence Prep ^{RE CAD}	Enecotech	711-015-16	1.50	70.00	105.00
Report/Correspondence Prep ^{RPT}	Enecotech	711-015-16	2.00	30.00	60.00
Report/Correspondence Prep ^{Discussion}	Enecotech	711-015-16	.50	70.00	35.00
Report/Correspondence Prep ^{Soil Boring/Env}	Enecotech	711-015-16	1.75	42.00	73.50
Report/Correspondence Review ^{PRT Ed. +}	Enecotech	711-015-16	2.50	75.00	187.50
Administrative Support ^{Missy Admin}	Enecotech	711-015-16	.25	35.00	8.75
Administrative Support ^{LTR}	Enecotech	711-015-16	.50	35.00	17.50
Administrative Support ^{Missy Admin}	Enecotech	711-015-16	.25	35.00	8.75
Data Evaluation Handling ^{Person Well Count}	Enecotech	711-015-16	1.00	10.00	10.00
Data Evaluation Handling ^{Log Edits}	Enecotech	711-015-16	1.00	10.00	10.00
Data Evaluation Handling ^{Review}	Enecotech	711-015-16	1.00	10.00	10.00
TOTAL					815.00

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

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K. MARK-UP

Description	Firm Name	General Contractor Invoice #	Sub-Contractor Invoice #	Mark Up %	Sub-Total
TOTAL					

L. OTHER CONSULTANT SERVICES (specify)

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
TOTAL					

PART IV ELIGIBLE COST WORKSHEET - CONSULTANT SERVICES

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Data Evaluation/Handling ^{Paradox}	Enecotech	711-015-16	1.00	10.00	10.00
Data Evaluation/Handling ^{Computer Time}	Enecotech	711-015-16	.150	10.00	5.00
Administrative Support ^{WP}	Enecotech	711-015-17	.25	30.00	7.50
Administrative Support ^{Misc Admin}	Enecotech	711-015-17	.25	35.00	8.75
Project Management ^{Disc M/PCA}	Enecotech	711-015-17	.50	70.00	35.00
Project Management ^{Schedule w/MPCA}	Enecotech	711-015-17	.50	70.00	35.00
Project Management ^{Invoice}	Enecotech	711-015-17	.50	70.00	35.00
Project Meetings ^{Discuss Proj w/RWK}	Enecotech	711-015-17	1.25	75.00	93.75
Project Meetings ^{MTG}	Enecotech	711-015-17	1.00	70.00	70.00
Project Meetings ^{MTG}	Enecotech	711-015-17	.25	70.00	17.50
Project Meetings ^{Proj Transfer M/G}	Enecotech	711-015-17	.25	60.00	15.00
Project Meetings ^{Proj Transfer}	Enecotech	711-015-17	.25	60.00	15.00
Field Coordination/Setup ^{Schedule Quarterly}	Enecotech	711-015-17	.25	60.00	15.00
Report/Correspondence Prep ^{RPT to MPCA}	Enecotech	711-015-17	.75	70.00	52.50
Report/Correspondence Prep	Enecotech	711-015-17	.50	42.00	21.00
Report/Correspondence Prep ^{For MPCA Conference}	Enecotech	711-015-17	4.00	60.00	240.00
Report/Correspondence Prep ^{R/W RI}	Enecotech	711-015-17	3.75	60.00	225.00
Report/Correspondence Prep ^{M/PCA Conference}	Enecotech	711-015-17	1.00	60.00	60.00
Project Management ^{R/W RI}	Enecotech	711-015-18	1.00	60.00	60.00
Project Management ^{Proj Planning}	Enecotech	711-015-18	.25	60.00	15.00
TOTAL					1036.00

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

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K. MARK-UP

Description	Firm Name	General Contractor Invoice #	Sub-Contractor Invoice #	Mark Up %	Sub-Total
TOTAL					

L. OTHER CONSULTANT SERVICES (specify)

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
TOTAL					

PART IV ELIGIBLE COST WORKSHEET - CONSULTANT SERVICES

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Project Management ^{Rvw File/PM/Unit}	Enecotech	711-015-18	1.00	60.00	60.00
Project Management ^{Invoice Rvw}	Enecotech	711-015-18	.25	60.00	15.00
Project Management ^{Monthly Update}	Enecotech	711-015-18	.50	60.00	30.00
Meeting ^{MTG}	Enecotech	711-015-18	.25	43.00	10.50
Project Telephone Time ^{Set Up MPCA}	Enecotech	711-015-18	.50	60.00	30.00
Project Telephone Time ^{Phone Call PCA/Deary}	Enecotech	711-015-18	1.00	60.00	60.00
Data Evaluation/Handling ^{Rvw Aerial Photo}	Enecotech	711-015-18	.50	60.00	30.00
Data Evaluation/Handling ^{Run Tank + Line Test Data}	Enecotech	711-015-18	.50	60.00	30.00
Document Background Review ^{Air Photo Collection}	Enecotech	711-015-18	1.50	42.00	63.00
Administrative Support ^{Misc Admin}	Enecotech	711-015-18	.25	35.00	8.75
Document Background Review ^{Mileage}	Enecotech	711-015-18	1.00	5.20	5.20
Document Background Review ^{Ranking}	Enecotech	711-015-18	1.00	1.12	1.12
Miscellaneous Costs ^{LDP}	Enecotech	711-015-18	1.00	1.87	1.87
Project Management ^{Senior Proj Scientist}	Enecotech	711-015-19	1.25	70.00	87.50
Project Meetings ^{Senior Proj Scientist}	Enecotech	711-015-19	.50	70.00	35.00
Project Meetings ^{St Scientist}	Enecotech	711-015-19	.75	42.00	31.50
Project Telephone Time ^{Senior Proj Scientist}	Enecotech	711-015-19	.50	70.00	35.00
Data Evaluation/Handling ^{Senior Proj Scientist}	Enecotech	711-015-19	.50	70.00	35.00
Data Evaluation/Handling ^{St Scientist}	Enecotech	711-015-19	.75	42.00	31.50
Data Evaluation/Computer Digitizing Expenses	Enecotech	711-015-19	.50	10.00	5.00
				TOTAL	605.94

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

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K. MARK-UP

Description	Firm Name	General Contractor Invoice #	Sub-Contractor Invoice #	Mark Up %	Sub-Total
TOTAL					

L. OTHER CONSULTANT SERVICES (specify)

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
TOTAL					

PART IV ELIGIBLE COST WORKSHEET - CONSULTANT SERVICES

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Drafting ^{Labor Staff Scientist}	Enecotech	711-015-19	5.75	42.00	241.50
Drafting ^{Computer Digitizer}	Enecotech	711-015-19	2.50	10.00	25.00
Senior Proj Scientist ^{Labor} Report/Correspondence Prep	Enecotech	711-015-19	15.25	70.00	1067.50
Senior Proj Scientist ^{Labor} Report/Correspondence Review	Enecotech	711-015-19	1.00	70.00	70.00
Administrative Support ^{Labor Drafting/Lead}	Enecotech	711-015-19	.50	35.00	17.50
Administrative Support ^{Labor Admin Assistant}	Enecotech	711-015-19	.25	35.00	8.75
Miscellaneous Costs ^{Expenses Copies}	Enecotech	711-015-19	51.00	.10	5.10
Miscellaneous Costs ^{Expenses Postage}	Enecotech	711-015-19	.20	1.00	.20
Project Management ^{Finalize RI}	Enecotech	711-015-20	1.50	72.50	108.75
Project Management ^{Review Invoice}	Enecotech	711-015-20	.25	72.50	18.13
Project Meetings ^{Discuss/Rvw RI Report}	Enecotech	711-015-20	.25	42.50	10.63
Project Telephone Time ^{RI/PA Rvw status}	Enecotech	711-015-20	.50	72.50	36.25
Data Evaluation Handling ^{connections to Table}	Enecotech	711-015-20	.25	42.50	10.63
Drafting ^{connections to Figures}	Enecotech	711-015-20	.25	42.50	10.63
Report Correspondence Prep ^{Report}	Enecotech	711-015-20	1.00	35.00	35.00
Report Correspondence Prep ^{Reimbursement Update}	Enecotech	711-015-20	.50	72.50	36.25
Report Correspondence Prep ^{Report}	Enecotech	711-015-20	3.00	30.00	90.00
Report Correspondence Prep ^{Prep monthly Update}	Enecotech	711-015-20	.25	72.50	18.13
Report Correspondence Review ^{Rvw RI Report}	Enecotech	711-015-20	1.00	42.50	42.50
Report Correspondence Review ^{Revwsp Edit Rvw}	Enecotech	711-015-20	.50	80.00	40.00
TOTAL					1822.45

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

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

K. MARK-UP

Description	Firm Name	General Contractor Invoice #	Sub-Contractor Invoice #	Mark Up %	Sub-Total
TOTAL					

L. OTHER CONSULTANT SERVICES (specify)

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
TOTAL					

PART IV ELIGIBLE COST WORKSHEET - CONSULTANT SERVICES

- * Description must be specific as to work performed.
- * Invoices must be submitted for each cost listed below.
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- * Duplicate this form if additional sheets are needed.

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
RVW/Ed. & Report Report - Compliance Review	Enecotech	711-015-20	.50	80.00	40.00
Travel Costs Fed Ex	Enecotech	711-015-20	1.50	15.00	15.00
Miscellaneous Costs Postage	Enecotech	711-015-20	1.00	14.60	14.60
Miscellaneous Costs Copies	Enecotech	711-015-20	1305.00	.10	130.50
Project Management Review of Funds Status	Enecotech	711-015-21	.25	72.50	18.13
Project Telephone Time R/AD RVW	Enecotech	711-015-21	.25	55.00	13.75
Project Travel Time Travel Time	Enecotech	711-015-21	.75	30.00	22.50
Field Coordination/Set Up	Enecotech	711-015-21	1.00	90.80	90.80
Field Samples/Samples Prep (Eump) - 2/11/2011	Enecotech	711-015-21	1.50	30.00	45.00
Field Sampling/Samples Prep (Van) 2/14/2011	Enecotech	711-015-21	1.00	50.00	50.00
Field Sampling/Samples Prep Vehicle Mileage	Enecotech	711-015-21	1.00	35.00	35.00
Field Sampling/Samples Prep Copies	Enecotech	711-015-21	38.00	.40	15.20
Miscellaneous Costs	Enecotech	711-015-21	18.00	.10	1.80
Project Management - Project Cost Tracking	Enecotech	711-015-22	0.25	72.50	18.13
Reporting Monthly Update Preparation	Enecotech	711-015-22	0.50	72.50	36.25
Project Management Invoicing	Enecotech	711-015-22	0.25	72.50	18.13
Regulatory Contact Discussions w/ MPCA	Enecotech	711-015-22	0.75	72.50	54.38
Project Management Project Cost Tracking	Enecotech	711-015-22	0.25	72.50	18.13
Project Management Coord. Reimb. Prep.	Enecotech	711-015-22	0.50	72.50	36.25
Project Management Project Cost Tracking	Enecotech	711-015-22	0.25	72.50	18.13
TOTAL					7690.88

PART IV ELIGIBLE COS 1 WORKSHEET - INVESTIGATION AND CLEAN-UP

- * Descriptions must be specific as to work performed.
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K. MARK-UP

Description	Firm Name	General Contractor Invoice #	Sub-Contractor Invoice #	Mark Up %	Sub-Total
TOTAL					

L. OTHER CONSULTANT SERVICES (specify)

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
TOTAL					

PART IV ELIGIBLE COST WORKSHEET - CONSULTANT SERVICES

- * Description must be specific as to work performed.
- * Invoices must be submitted for each cost listed below.
- * Invoices must contain sufficient detail to verify costs and services entered below.
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11

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Project Management ^{Project Cost Tracking}	Enecotech	711-015-22	.25	72.50	18.13
Project Management ^{Project Monthly Update}	Enecotech	711-015-22	.50	72.50	36.25
Project Management ^{Final Invoice}	Enecotech	711-015-22	.25	72.50	18.13
Project Management ^{Mile Status M. Rep}	Enecotech	711-015-22	.75	72.50	54.38
Project Management ^{Project Cost Tracking}	Enecotech	711-015-22	.25	72.50	18.13
Project Management ^{Cochi Reimb}	Enecotech	711-015-22	.50	72.50	36.25
Project Management ^{Project Cost Tracking}	Enecotech	711-015-22	.25	72.50	18.13
Project Management ^{Disc W/ Sample}	Enecotech	711-015-22	.50	72.50	36.25
Project Travel Time ^{Proj Travel Sampling}	Enecotech	711-015-22	.75	30.00	22.50
Field Evaluation Set Up ^{SIFED Sampling}	Enecotech	711-015-22	1.00	72.50	72.50
Field Sampling / Sample Prep	Enecotech	711-015-22	3.25	30.00	97.50
Gate Evaluation / Sampling ^{Disc site w/ AIR / SIFED}	Enecotech	711-015-22	.25	90.00	22.50
Report Correspondence ^{Reimb App Prep}	Enecotech	711-015-22	14.25	30.00	427.50
Field Sampling / Sample Prep ^{Disc Site / Sample}	Enecotech	711-015-22	1.00	35.00	35.00
Field Sampling / Sample Prep ^{Vehicle Mileage}	Enecotech	711-015-22	19.00	.40	7.60
Field Sampling / Sample Prep ^{10. winter Probe}	Enecotech	711-015-22	1.00	50.00	50.00
Field Sampling / Sample Prep ^{Human Probe}	Enecotech	711-015-22	68.00	.50	34.00
Field Sampling / Sample Prep ^{Trap Barrels}	Enecotech	711-015-22	2.00	10.00	20.00
Field Sampling / Sample Prep ^{Water Sample}	Enecotech	711-015-22	3.00	.50	1.50
Field Sampling / Sample Prep ^{PI/Boiler / Sample}	Enecotech	711-015-22	1.00	50.00	50.00
TOTAL					1076.25

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

- * Descriptions must be specific as to work performed.
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- * Duplicate this form if additional worksheets are needed.

K. MARK-UP

Description	Firm Name	General Contractor Invoice #	Sub-Contractor Invoice #	Mark Up %	Sub-Total
TOTAL					

L. OTHER CONSULTANT SERVICES (specify)

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
TOTAL					

PART IV ELIGIBLE COST WORKSHEET - CONSULTANT SERVICES

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

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
^{Project Cost Tracking} Project Management	Enecotech	711-015-23	1.50	72.50	36.25
^{Telephone w/ Stakeholder} Project Management	Enecotech	711-015-23	1.00	72.50	72.50
^{Meet w/ Stakeholder} Project Meetings	Enecotech	711-015-23	.25	90.00	22.50
^{Quarterly meeting} Project Meetings	Enecotech	711-015-23	.25	72.50	18.13
^{Field Sampling} Field Observation Set Up	Enecotech	711-015-23	1.50	72.50	36.25
^{GW Sampling} Field Sampling	Enecotech	711-015-23	3.25	42.00	137.13
^{Prep. MTC w/ Stakeholder} Data Evaluation Handling	Enecotech	711-015-23	.25	90.00	22.50
^{Review Data} Data Evaluation Handling	Enecotech	711-015-23	1.50	90.00	45.00
^{Review Data} Data Evaluation Handling	Enecotech	711-015-23	2.00	90.00	180.00
^{Review w/ Stakeholder} Data Evaluation Handling	Enecotech	711-015-23	1.50	72.50	36.25
^{Input Water Levels} Data Evaluation Handling	Enecotech	711-015-23	.25	37.50	9.38
^{Input w/ Stakeholder} Data Evaluation Handling	Enecotech	711-015-23	.25	37.50	9.38
^{Prep Quarterly Update} Report/Correspondence Prep	Enecotech	711-015-23	1.50	72.50	36.25
^{Submission App} Report/Correspondence Prep	Enecotech	711-015-23	1.50	30.00	15.00
^{Prep Quarterly Update} Report/Correspondence Prep	Enecotech	711-015-23	.25	72.50	18.13
^{Prep Monthly Update} Report/Correspondence Prep	Enecotech	711-015-23	1.50	72.50	36.25
^{Mileage} Field Sampling/Sample Prep	Enecotech	711-015-23	42.00	.40	16.80
^{Project Cost Tracking} Project Management	Enecotech	711-015-24	1.50	72.50	36.25
^{Disc Site Status} Project Management	Enecotech	711-015-24	1.50	90.00	45.00
^{Rehab Status Check} Project Management	Enecotech	711-015-24	.25	72.50	18.13
TOTAL					848.08

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

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K. MARK-UP

Description	Firm Name	General Contractor Invoice #	Sub-Contractor Invoice #	Mark Up %	Sub-Total
TOTAL					

L. OTHER CONSULTANT SERVICES (specify)

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
TOTAL					

PART IV

ELIGIBLE COST WORKSHEET - CONSULTANT SERVICES

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

(13)

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Project Management ^{Final Invoice}	Enecotech	711-015-24	.25	72.50	18.13
Project Milestones ^{Disc W/Inv}	Enecotech	711-015-24	.50	72.50	36.25
Project Telephone Time ^{Monthly Disc W/Inv}	Enecotech	711-015-24	.25	90.00	22.50
Data Evaluation / -auditing ^{Review Data Disc W/Inv}	Enecotech	711-015-24	.50	90.00	45.00
Data Evaluation / -auditing ^{Review Analyt Data}	Enecotech	711-015-24	.50	72.50	36.25
Data Evaluation / -auditing ^{Input Master Lists}	Enecotech	711-015-24	.25	37.50	9.38
Data Evaluation / -auditing	Enecotech	711-015-24	.50	90.00	45.00
Drafting ^{Site Map}	Enecotech	711-015-24	1.25	37.50	46.88
Report Covers ^{Reimb App Prop}	Enecotech	711-015-24	.25	72.50	18.13
Report Correspondence ^{Prep MPCA Response LTR}	Enecotech	711-015-24	3.00	65.00	195.00
Report Correspondence ^{Prep Response LTR}	Enecotech	711-015-24	.50	72.50	36.25
Report Correspondence ^{MPCA Response LTR}	Enecotech	711-015-24	3.00	65.00	195.00
Report Correspondence ^{Prep Monthly Summary}	Enecotech	711-015-24	.50	72.50	36.25
Report Correspondence ^{Prep LTR to MPCA}	Enecotech	711-015-24	5.50	72.50	398.75
Report Correspondence ^{Prep Tables}	Enecotech	711-015-24	2.00	42.50	85.00
Report Correspondence ^{Prep LTR MPCA}	Enecotech	711-015-24	3.50	72.50	253.75
Report Correspondence ^{Review Monthly Update}	Enecotech	711-015-24	.25	72.50	18.13
Report Correspondence ^{Review Report}	Enecotech	711-015-24	1.75	90.00	157.50
Administrative Support ^{Offic Admin}	Enecotech	711-015-24	.25	35.00	8.75
Administrative Support ^{Offic Admin}	Enecotech	711-015-24	.25	35.00	8.75
TOTAL					1670.65

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

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K. MARK-UP

Description	Firm Name	General Contractor Invoice #	Sub-Contractor Invoice #	Mark Up %	Sub-Total
TOTAL					

L. OTHER CONSULTANT SERVICES (specify)

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
TOTAL					

PART IV ELIGIBLE COST WORKSHEET - CONSULTANT SERVICES

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(14)

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Misc Admin Administrative Support	Enecotech	711-015-24	.25	35.00	8.75
Project Cost Tracking Project Management	Enecotech	711-015-25	.75	72.50	54.38
Disc. w/ site Invsr Project Telephone Time	Enecotech	711-015-25	.50	90.00	45.00
Letter Report/Correspondence Prep	Enecotech	711-015-25	.25	35.00	8.75
Prep Monthly JO Report/Correspondence Prep	Enecotech	711-015-25	.50	72.50	36.25
Review MRA Copies Report/Correspondence Review	Enecotech	711-015-25	.75	90.00	67.50
Mail Prep Administrative Support	Enecotech	711-015-25	.25	35.00	8.75
Misc Admin Administrative Support	Enecotech	711-015-25	.25	35.00	8.75
Copies Administrative Support	Enecotech	711-015-25	292.00	.10	29.20
Postage Administrative Support	Enecotech	711-015-25	1.00	3.94	3.94
Coordinate Data Transfer Project Management	EnecoTech	711-015-26	0.75	95.00	71.25
Project Cost Tracking Project Management	EnecoTech	711-015-26	0.25	77.50	19.38
Submit Rpt. To Novec Project Management	EnecoTech	711-015-26	0.50	77.50	38.75
Disc. w/ L. Feldsien Project Telephone Time	EnecoTech	711-015-26	0.25	95.00	23.75
Field Coordination / set up Field Coordination / set up	EnecoTech	711-015-26	0.50	77.50	38.75
Well Gauge w/ Novc Field Sampling / Sample Prep	EnecoTech	711-015-26	2.50	47.50	118.75
Monthly Update Prep Report/Correspondence Prep	EnecoTech	711-015-26	0.5	77.50	38.75
Reimb. Appl. Prep Report/Correspondence Prep	EnecoTech	711-015-26	0.25	77.50	19.38
Reimbursement Application Report/Correspondence Prep	EnecoTech	711-015-26	5.75	32.50	186.88
Reimbur. Appl. Prep Report/Correspondence Prep	EnecoTech	711-015-26	0.25	77.50	19.38
TOTAL					846.29

PART IV ELIGIBLE COST WORKSHEET - INVESTIGATION AND CLEAN-UP

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K. MARK-UP

Description	Firm Name	General Contractor Invoice #	Sub-Contractor Invoice #	Mark Up %	Sub-Total
TOTAL					

L. OTHER CONSULTANT SERVICES (specify)

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
TOTAL					

PART IV ELIGIBLE COST WORKSHEET - CONSULTANT SERVICES

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(17)

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Admin Support Administrative Support	Enecotech	711-015-26	0.25	37.50	9.38
Mail Prep Administrative Support	Enecotech	711-015-26	0.25	37.50	9.38
Copies Administrative Support	Enecotech	711-015-26	35.00	0.10	3.50
Postage Administrative Support	Enecotech	711-015-26	1.0	1.73	1.73
Proj. Cost Tracking Project Supervision	Enecotech	10861	0.50	77.50	38.75
Reg status check Project Supervision w/ MPCA	Enecotech	10861	0.25	77.50	19.38
Project Cost Tracking Project Supervision	Enecotech	10861	0.25	77.50	19.38
Review Site Progress Project Supervision	Enecotech	10861	0.25	95.00	23.75
Monthly update Prep Report Preparation	Enecotech	10861	0.50	77.50	38.75
Admin. Support Document Reproduction	Enecotech	10861	0.25	37.50	9.38
Reimbursement Application Reimburs. Application	Enecotech	10861	0.50	77.50	38.75
Reimbursements Prep Reimburs. Application	Enecotech	10861	0.50	32.50	16.25
Proj Cost Tracking Project Supervision	Enecotech	11061	0.25	77.50	19.38
Mtg w/ Larry Meetings and Consultation	Enecotech	11061	0.25	95.00	23.75
Mtg w/ Sinclair Meetings and Consultation	Enecotech	11061	0.25	77.50	19.38
Prep Figures Cartography and Drafting	Enecotech	11061	0.75	40.00	30.00
Quarterly Rpt. Prep Report Preparation	Enecotech	11061	0.50	77.50	38.75
Monthly UD Prep Report Preparation	Enecotech	11061	0.50	77.50	38.75
Admin Support Quality Assurance/Control	Enecotech	11061	0.25	37.50	9.38
Reimb. Appl. Prep Reimb. Application	Enecotech	11061	1.0	77.50	77.50
TOTAL					485.27

PART IV ELIGIBLE COST WORKSHEET - CONSULTANT SERVICES

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(16)

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

Description	Firm Name	Invoice # or date	Total Units	Unit Costs	Sub-total
Document Reproduction <i>Copies</i>	Enecotech	11061	6.0	0.10	0.60
Project Supervision <i>Project Cost Tracking</i>	Enecotech	11707	0.25	77.50	19.38
Project Supervision <i>Prep monthly Summary</i>	Enecotech	11707	0.50	77.50	38.75
Project Supervision <i>Project Cost Tracking</i>	Enecotech	11707	0.25	77.50	19.38
Project Supervision <i>Project Cost Tracking</i>	Enecotech	11707	0.25	77.50	19.38
Meetings and Consultation <i>Disc w/ the MPCA</i>	Enecotech	11707	0.25	77.50	19.38
Word Processing <i>Invoice letter</i>	Enecotech	11707	0.25	37.50	9.38
Quality Assurance/Control <i>Admin Support</i>	Enecotech	11707	0.25	37.50	9.38
Reimb Application <i>Reimb. App. Prep.</i>	Enecotech	11707	0.50	77.50	38.75
Document Reproduction <i>Copies</i>	Enecotech	11707	20.0	0.10	2.00
Project Supervision <i>Project Cost Tracking</i>	Enecotech	11862	0.25	77.50	19.38
Meetings and Consultation <i>meeting with Sinclair</i>	Enecotech	11862	0.25	95.00	23.75
Meetings and Consultation <i>meeting with Sinclair</i>	Enecotech	11862	0.25	77.50	19.38
Cartography and Drafting <i>Prep Figs.</i>	Enecotech	11862	0.50	40.00	20.00
Report Preparation <i>Quarterly Rpt. Prep</i>	Enecotech	11862	0.50	77.50	38.75
Report Preparation <i>QU update</i>	Enecotech	11862	0.25	45.00	11.25
Report Preparation <i>QU update</i>	Enecotech	11862	0.50	45.00	22.50
Report Preparation <i>monthly UD. Prep</i>	Enecotech	11862	0.50	77.50	38.75
Word Processing <i>Invoice letter</i>	Enecotech	11862	0.25	37.50	9.38
	Enecotech				
TOTAL					379.52

Jablonski

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

Site ID#:	Release Site:	Applicant:
LEAK00002570	Sinclair Oil Corp/Rochester	DBA Sinclair Marketing Company
LEAK00002185	Sinclair Oil Corp/Minnetonka	DBA Sinclair Marketing Company
LEAK00002433	Sinclair Oil Corp/New Hope	DBA Sinclair Marketing Company
LEAK00002386	Sinclair Oil Corp/Chanhassen	DBA Sinclair Marketing Company
LEAK00002385	Sinclair Oil Corp/Brooklyn Pk	DBA Sinclair Marketing Company
LEAK00002212	Sinclair Oil Corp/Plymouth	DBA Sinclair Marketing Company
LEAK00002299	Sinclair Oil Corp/Fridley	DBA Sinclair Marketing Company
LEAK00002944	Sinclair Oil Corp/Edina	DBA Sinclair Marketing Company
LEAK00002845	Sinclair Oil Corp/St. Paul	DBA Sinclair Marketing Company
LEAK00002643	Sinclair Oil Corp/Maplewood	DBA Sinclair Marketing Company
LEAK00002637	Sinclair Oil Corp/Maple Grove	DBA Sinclair Marketing Company
LEAK00002635	Sinclair Oil Corp/Burnsville	DBA Sinclair Marketing Company
LEAK00002965	Sinclair Oil Corp/Richfield	DBA Sinclair Marketing Company
LEAK00003256	Sinclair Oil Corp/St. Cloud	DBA Sinclair Marketing Company
LEAK00003716	Sinclair Oil Corporation	DBA Sinclair Marketing Company
LEAK00000336	SuperAmerica Group, Inc.	Save More Service Station #1351
LEAK00000735	SuperAmerica Group, Inc.	SuperAmerica Station #4294
LEAK00002027	Susan B. Anthony Jr. High School	Susan B. Anthony Jr. High School
LEAK00003914	TCF Bank Savings fsb	Bristol Apartment Bldg./Mpls.

1. Cleanup Determination: ADEQUATE WHEN COMPLETED

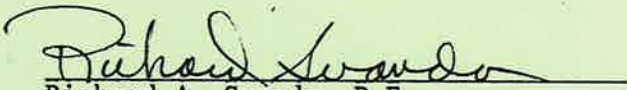
I hereby determine, pursuant to Minn. Stat. § 115C.09, subd. 2(b) (1990), that the corrective action designs approved by the Minnesota Pollution Control Agency (MPCA) staff, when fully completed, will adequately address the release from the sites referenced above in terms of public health, welfare and the environment.

2. Compliance with Applicable Requirements: ADEQUATE

Information readily available to the MPCA staff shows that the applicants have complied with the applicable requirements of Minn. Stat. § 115C.09, subd. 2(c) (1990).

The determinations in this report are made solely for the purpose of determining eligibility for reimbursement under Minn. Stat. § 115C.09, subd. 2 (1990). Nothing in this site report releases any person from liability and the MPCA reserves the right to require additional work if a corrective action referenced above is later determined to be inadequate.

Dated: July 25, 1991


Richard A. Svanda, P.E.,
Director
Hazardous Waste Division

MINNESOTA PETROLEUM TANK RELEASE COMPENSATION BOARD

State of Minnesota

Application for Reimbursement

JUN 04 1991

Dept. of Commerce

Site ID #: LEAK 0000 2433

PART I RESPONSIBLE PERSON

1. Name of "Responsible Person" or "Volunteer": (see application guide)

SINCLAIR OIL CORPORATION / DBA SINCLAIR MARKETING CO.

2. Mailing Address: 3401 FAIRBANKS AVE. P.O. BOX 6247

KANSAS CITY KS 66206

3. Phone: (913) 321-4300

4. The Responsible Person or Volunteer is a:

Corporation Partnership

Individual Other

5. When was the Responsible Person the owner or operator of the tank?

From 1979 to PRESENT

PART II ATTACHMENTS

Your application will be returned as incomplete unless it is accompanied by the following attachments: (see application guide)

1. The MPCA approval of the corrective action plan or closure letter.
2. Receipts or invoices for all costs listed in Part IV Eligible Costs.
3. A brief description of the inventory control methods used during the six months prior to the petroleum release. If you did not operate the tanks, please submit a letter so stating.

PART III TANK FACILITY

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

SIDCLAIR MARKETING CO.

2. Tank Facility address: 9456 MEDICINE LAKE ROAD, NEW HOPE

3. Contact Person at Tank Facility: DEBBY LORENZ

Phone: (913) 321-4300

4. Date when petroleum release occurred or was detected: (see application guide) 4-12-90

5. Date when petroleum release was reported to the MPCA: 4-12-90

6. Please complete the following information on the tanks at this Tank Facility. (see application guide)

<u>Tank #</u>	<u>Capacity</u>	<u>Petroleum Product</u>	<u>"X" if removed</u>
<u>3</u>	<u>6,000</u>	<u>GASOLINE</u>	<u>_____</u>
<u>1</u>	<u>6000</u>	<u>GASOLINE</u>	<u>X</u>
<u>1</u>	<u>560</u>	<u>WASTE OIL</u>	<u>_____</u>
<u>1</u>	<u>1000</u>	<u>FUEL OIL</u>	<u>_____</u>

7. What was the source of the release at this tank facility? (see application guide)

DISCOVERED IMPACTED SOILS DURING TANK REMOVAL

8. What date was the MPCA notified of the existence of the tanks as required by Minnesota Statute 116.48? APRIL 4 1986

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

NONE

10. Did any of the persons listed in question 9 incur corrective action costs related to this petroleum release? yes/no If yes, list name, address and phone:

N.A.

PART IV ELIGIBLE COSTS

1. For each "Eligible Cost" (see application guide) category given below, list all corrective actions taken, who performed the action, and the corresponding cost of the action. (Attach additional pages as necessary.)

A. Investigation and source identification including, but not limited to collecting and analyzing soil samples, testing the groundwater, testing adjacent drinking water supplies, tank integrity testing, and engineering services.

Corrective Action	Performed By	Cost
<u>FIELD WORK</u>	<u>ENECOTECH</u>	<u>1,272.85</u>
<u>REPORT PREPARATION</u>	<u>ENECOTECH</u>	<u>2,202.04</u>
<u>REPORT PREPARATION</u>	<u>ENECOTECH</u>	<u>767.33</u>
<u>REPORT PREPARATION</u>	<u>ENECOTECH</u>	<u>958.15</u>

B. Preparation of a corrective action plan in accordance with MPCA requirements.

Corrective Action	Performed By	Cost
<u>REPORT PREPARATION</u>	<u>ENECOTECH</u>	<u>528.93</u>
<u>PROJECT MANAGEMENT</u>	<u>ENECOTECH</u>	<u>82.68</u>
<u>DRILLING</u>	<u>ENECOTECH</u>	<u>12,711.40</u>
<u>REPORT PREPARATION</u>	<u>ENECOTECH</u>	<u>1,117.35</u>

C. Cleanup of releases including, but not limited to, removal, treatment, or disposal of surface and subsurface contamination and provision of a permanent alternative water supply. Cleanup must be performed in accordance with a corrective action plan approved by the MPCA.

Corrective Action	Performed By	Cost
<u>CLEAN UP SITE</u>	<u>WESTSIDE</u>	<u>146.00</u>
<u>EXCAVATION</u>	<u>WESTSIDE</u>	<u>1,885.60</u>
<u>TREATMENT</u>	<u>MCCROSSAN</u>	<u>2,704.00</u>

Amount of contaminated soil excavated (cubic yards or tons): 84.50

Was it necessary for cleanup to excavate all of the soil? yes/no

What was the soil contamination concentration (total hydrocarbons)?

Were soils contaminated at less than 10ppm as measured by a field instrument? yes/no

C. <u>HAULING</u>	<u>DONGOSKE</u>	<u>836.55</u>
-------------------	-----------------	---------------

(3 of 6)

B. <u>PERMITS</u>	<u>ENECOTECH</u>	<u>358.91</u>
<u>PROJECT MANAGEMENT</u>	<u>ENECOTECH</u>	<u>2,121.71</u>

If any costs were incurred on an emergency or temporary basis, complete Sections D and E below:

D. **Emergency response and initial site hazard mitigation.** Costs may include, but are not limited to those necessary to abate acute risks to human health, safety and the environment.

Corrective Action	Performed By	Cost
N/A		

E. **Temporary site hazard control measures.** Costs may include, but are not limited to, temporary provision of drinking water and housing, initial abatement of vapors and removal of free product.

Corrective Action	Performed By	Cost
N/A		

2. Is the Responsible Person or Volunteer eligible under any insurance policies to recover cleanup arising from this petroleum release? yes (no)

If yes, list the name of the insurance carrier, policy number and policy limits: (see application guide)

N/A

3. Total of all eligible costs listed above or \$1,000,000, whichever is less:

\$ 27,693.49
X .90

= \$ 24,924.14

Insurance Reimbursement <\$ N/A >

Total Reimbursement Request (see application guide) = \$ 24,924.14

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.

OFF SITE CONTAMINATION IS LIKELY (8200.00)

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.)

A. Name of individual or firm: ENECOTECH

Mailing address: 3050 METRO DRIVE, SUITE 115
BLOOMINGTON MN. 55425

Contact Person: JAMES A. BURG Phone: (612) 854-5513

B. Name of individual or firm: WESTSIDE EQUIPMENT

Mailing address: 902 HIGHWAY 55
MEDINA MN. 55340

Contact Person: STEVE MURPHY Phone: (612) 478-9572

C. Name of individual or firm: C.S. McCROSSAN CONSTRUCTION INC.

Mailing address: BOX 1240, 7865 JEFFERSON HIGHWAY
MAPLEGROVE MN. 55369

Contact Person: BOB DONGOSKE Phone: 612-428-4167

D. Name of individual or firm: R.F. DONGOSKE SALES INC.

Mailing address: 4655 NICOLS ROAD SUITE 201
BAGAN MN. 55122

Contact Person: BOB DONGOSKE Phone: (612) 452-0823

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

N/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 understand that by filing this application with the Board I agree to return to the Board, upon its demand, the entire award I may receive or any lesser amount the Board considers appropriate if: (a) I knowingly misrepresented or omitted any fact relevant to the determinations made by the Board or Commissioner, oral or written; or (b) I fail to complete, to the commissioner's satisfaction, ongoing corrective action which may be underway where the Commissioner has determined, pursuant to Minn. Stat. 115C.09, subd. 2(b)(1) (1986a), that the tank release for which I may be reimbursed has been adequately addressed based on my representation that there is ongoing corrective action.

I further certify that I have the authority to submit this application on behalf of SINCLAIR OIL CORPORATION
(entity)

Dan Lorenz
Signature of Responsible Person
or Volunteer

5-31-91
Date

OPERATIONS SUPERVISOR
Title (if applicant is not an
individual)

Witnessed by:
Name: *Dan Lorenz*
Date: 5-31-91

Please send this application and accompanying documents to:

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

Jablonski

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

Site ID#:	Release Site:	Applicant:
LEAK00002570	Sinclair Oil Corp/Rochester	DBA Sinclair Marketing Company
LEAK00002185	Sinclair Oil Corp/Minnetonka	DBA Sinclair Marketing Company
LEAK00002433	Sinclair Oil Corp/New Hope	DBA Sinclair Marketing Company
LEAK00002386	Sinclair Oil Corp/Chanhassen	DBA Sinclair Marketing Company
LEAK00002385	Sinclair Oil Corp/Brooklyn Pk	DBA Sinclair Marketing Company
LEAK00002212	Sinclair Oil Corp/Plymouth	DBA Sinclair Marketing Company
LEAK00002299	Sinclair Oil Corp/Fridley	DBA Sinclair Marketing Company
LEAK00002944	Sinclair Oil Corp/Edina	DBA Sinclair Marketing Company
LEAK00002845	Sinclair Oil Corp/St. Paul	DBA Sinclair Marketing Company
LEAK00002643	Sinclair Oil Corp/Maplewood	DBA Sinclair Marketing Company
LEAK00002637	Sinclair Oil Corp/Maple Grove	DBA Sinclair Marketing Company
LEAK00002635	Sinclair Oil Corp/Burnsvill	DBA Sinclair Marketing Company
LEAK00002965	Sinclair Oil Corp/Richfield	DBA Sinclair Marketing Company
LEAK00003256	Sinclair Oil Corp/St. Cloud	DBA Sinclair Marketing Company
LEAK00003716	Sinclair Oil Corporation	DBA Sinclair Marketing Company
LEAK00000336	SuperAmerica Group, Inc.	Save More Service Station #1351
LEAK00000735	SuperAmerica Group, Inc.	SuperAmerica Station #4294
LEAK00002027	Susan B. Anthony Jr. High School	Susan B. Anthony Jr. High School
LEAK00003914	TCF Bank Savings fsb	Bristor Apartment Bldg./Mpls.

1. Cleanup Determination: ADEQUATE WHEN COMPLETED

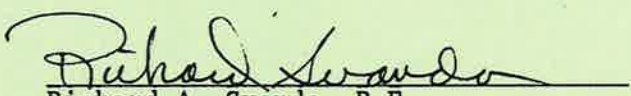
I hereby determine, pursuant to Minn. Stat. § 115C.09, subd. 2(b) (1990), that the corrective action designs approved by the Minnesota Pollution Control Agency (MPCA) staff, when fully completed, will adequately address the release from the sites referenced above in terms of public health, welfare and the environment.

2. Compliance with Applicable Requirements: ADEQUATE

Information readily available to the MPCA staff shows that the applicants have complied with the applicable requirements of Minn. Stat. § 115C.09, subd. 2(c) (1990).

The determinations in this report are made solely for the purpose of determining eligibility for reimbursement under Minn. Stat. § 115C.09, subd. 2 (1990). Nothing in this site report releases any person from liability and the MPCA reserves the right to require additional work if a corrective action referenced above is later determined to be inadequate.

Dated: July 25, 1991


Richard A. Svanda, P.E.,
Director
Hazardous Waste Division

707A REAUC:Z
MAY 1991 6-3-91

MINNESOTA PETROLEUM TANK RELEASE COMPENSATION BOARD

State of Minnesota

Application for Reimbursement

JUN 04 1991

Dept. of Commerce

Site ID #: LEAK 0000 2944

PART I RESPONSIBLE PERSON

1. Name of "Responsible Person" or "Volunteer": (see application guide)
SINCLAIR OIL CORPORATION / DBA SINCLAIR MARKETING CO.
2. Mailing Address: 3401 FAIRBANKS AVE. P.O. BOX 6247
KAUSAS CITY KS 66206
3. Phone: (913) 321-4300
4. The Responsible Person or Volunteer is a:
Corporation Partnership _____
Individual _____ Other _____
5. When was the Responsible Person the owner or operator of the tank?
From 1979 to PRESENT

PART II ATTACHMENTS

Your application will be returned as incomplete unless it is accompanied by the following attachments: (see application guide)

1. ✓ The MPCA approval of the corrective action plan or closure letter.
2. ✓ Receipts or invoices for all costs listed in Part IV Eligible Costs.
3. A brief description of the inventory control methods used during the six months prior to the petroleum release. If you did not operate the tanks, please submit a letter so stating.

PART III TANK FACILITY

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

SINCLAIR MARKETING CO.

2. Tank Facility address: 6996 FRANCE AVE. S. EDINA MN.

3. Contact Person at Tank Facility: DEJAY LORENTZ

Phone: (913) 321-4300

4. Date when petroleum release occurred or was detected: (see application guide) JULY - 24, 1990

5. Date when petroleum release was reported to the MPCA: JULY 24 - 1990

6. Please complete the following information on the tanks at this Tank Facility. (see application guide)

<u>Tank #</u>	<u>Capacity</u>	<u>Petroleum Product</u>	<u>"X" if removed</u>
<u>1</u>	<u>6000</u>	<u>GASOLINE</u>	<u>X</u>
<u>2</u>	<u>4000</u>	<u>GASOLINE</u>	<u>X</u>
<u>3</u>	<u>4000</u>	<u>GASOLINE</u>	<u>X</u>
<u>4</u>	<u>560</u>	<u>WASTE OIL</u>	<u>X</u>
<u>5</u>	<u>4000</u>	<u>GASOLINE</u>	<u>X</u>
<u>6</u>	<u>4000</u>	<u>GASOLINE</u>	<u>X</u>
<u>7</u>	<u>1000</u>	<u>FUEL OIL</u>	<u>X</u>

7. What was the source of the release at this tank facility? (see application guide)

UNKNOWN DISCOVERED IMPACTED SOILS DURING TANK REMOVAL.

8. What date was the MPCA notified of the existence of the tanks as required by Minnesota Statute 116.48? APRIL 4, 1986

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

NONE

10. Did any of the persons listed in question 9 incur corrective action costs related to this petroleum release? yes (no) If yes, list name, address and phone:

N.A.

PART IV ELIGIBLE COSTS

1. For each "Eligible Cost" (see application guide) category given below, list all corrective actions taken, who performed the action, and the corresponding cost of the action. (Attach additional pages as necessary.)

A. Investigation and source identification including, but not limited to collecting and analyzing soil samples, testing the groundwater, testing adjacent drinking water supplies, tank integrity testing, and engineering services.

Corrective Action	Performed By	Cost
<u>FIELD WORK</u>	<u>ENECOTECH</u>	<u>2,473.69</u>
<u>REPORT PREPARATION</u>	<u>ENECOTECH</u>	<u>124.83</u>
<u>MONITORING WELLS</u>	<u>ENECOTECH</u>	<u>3,466.64</u>

B. Preparation of a corrective action plan in accordance with MPCA requirements.

Corrective Action	Performed By	Cost
<u>REPORT PREPARATION</u>	<u>ENECOTECH</u>	<u>4,191.29</u>
<u>REPORT PREPARATION</u>	<u>ENECOTECH</u>	<u>2,754.25</u>
<u>REPORT PREPARATION</u>	<u>ENECOTECH</u>	<u>434.00</u>

C. Cleanup of releases including, but not limited to, removal, treatment, or disposal of surface and subsurface contamination and provision of a permanent alternative water supply. Cleanup must be performed in accordance with a corrective action plan approved by the MPCA.

Corrective Action	Performed By	Cost
<u>TREATMENT OF SOILS</u>	<u>CLEANSOILS</u>	<u>44,369.32</u>
<u>HAULING</u>	<u>WESTSIDE</u>	<u>12,002.36</u>

Amount of contaminated soil excavated (cubic yards or tons): 1221.37

Was it necessary for cleanup to excavate all of the soil? yes/no

What was the soil contamination concentration (total hydrocarbons)?

Were soils contaminated at less than 10ppm as measured by a field instrument? yes/no

If any costs were incurred in an emergency or temporary basis, complete Sections D and E below:

D. Emergency response and initial site hazard mitigation. Costs may include, but are not limited to those necessary to abate acute risks to human health, safety and the environment.

Corrective Action	Performed By	Cost
N.A.		

E. Temporary site hazard control measures. Costs may include, but are not limited to, temporary provision of drinking water and housing, initial abatement of vapors and removal of free product.

Corrective Action	Performed By	Cost
N.A.		

2. Is the Responsible Person or Volunteer eligible under any insurance policies to recover cleanup arising from this petroleum release? yes/no

If yes, list the name of the insurance carrier, policy number and policy limits: (see application guide)

N.A.

3. Total of all eligible costs listed above or \$1,000,000, whichever is less:

\$ 69,906.38
x .90

= \$ 62,825.74

Insurance Reimbursement <\$ N.A. >

Total Reimbursement Request (see application guide) = \$ 62,825.74

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.

POSSIBLE OFFSITE CONTAMINATION (\$ 12,000.00)

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.)**

A. Name of individual or firm: ENGCOTECH

Mailing address: 3050 METRO DRIVE, SUITE 115
BLOOMINGTON MN. 55425

Contact Person: JAMES A. BURG Phone: (612) 854-5513

B. Name of individual or firm: WESTSIDE EQUIPMENT

Mailing address: 902 HIGHWAY 55
MEDINA MN. 55340

Contact Person: STEVE MURPHY Phone: (612) 478-9572

C. Name of individual or firm: CLEANSOILS INC.

Mailing address: 14120 23RD AVE. NORTH
MINNEAPOLIS MN. 55447

Contact Person: JAMES K. POUCHER Phone: (612) 587-7106

D. Name of individual or firm: N.A.

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:

N.A.

PART VI CERTIFICATION (see application guide)

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 understand that by filing this application with the Board I agree to return to the Board, upon its demand, the entire award I may receive or any lesser amount the Board considers appropriate if: (a) I knowingly misrepresented or omitted any fact relevant to the determinations made by the Board or Commissioner, oral or written; or (b) I fail to complete, to the commissioner's satisfaction, ongoing corrective action which may be underway where the Commissioner has determined, pursuant to Minn. Stat. 115C.09, subd. 2(b)(1) (1986a), that the tank release for which I may be reimbursed has been adequately addressed based on my representation that there is ongoing corrective action.

I further certify that I have the authority to submit this application on behalf of SINOCLAIR OIL CORPORATION
(entity)

Dan Lorenz
Signature of Responsible Person
or Volunteer

5-31-91
Date

OPERATIONS SUPERVISOR
Title (if applicant is not an
individual)

Witnessed by: *Dan Lorenz*
Name: _____
Date: 5-31-91 0

Please send this application and accompanying documents to:

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

EnecoTech Midwest Inc.
3050 Metro Drive • Suite 115
Bloomington, Minnesota 55425
(612) 854-5513 • Fax (612) 854-5745



June 2, 1993

RECEIVED

CERTIFIED MAIL

JUN 11 1993

711-015

**MPCA, HAZARDOUS
WASTE DIVISION**

Mr. Chris McLain
Tanks and Spills Section
Minnesota Pollution Control Agency
520 Lafayette Road
St. Paul, Minnesota 55155-3898

RE: Summary Update of Ground Water Monitoring
Sinclair Station, 9456 Medicine Lake Road, New Hope, Minnesota
Site ID#: LEAK00002433

Dear Mr. McLain:

This letter serves to summarize the results of ground water monitoring requested by the Minnesota Pollution Control Agency (MPCA) in the letter approving the Remedial Investigation/Corrective Action Design (RI/CAD) for the above mentioned site (Figure 1). The letter was addressed to Mr. Larry Feldsien of Sinclair Marketing, Inc. (Sinclair) and dated March 2, 1993. For the purposes of this letter, all figures and tables referenced will be included in Attachments A and B, respectively.

As requested, additional ground water samples were collected and analyzed for volatile organic compounds (VOCs) and total petroleum hydrocarbons as gasoline range organics (GRO) and diesel range organics (DRO). The VOC analysis was conducted by using a gas chromatograph/mass spectrometer method for the parameters listed on the Minnesota Department of Health (MDH) Method 465D parameter list.

BACKGROUND

Briefly, the following describes a chronological list of events that are related to the referenced site:

- o On April 11 through 13, 1990, one 6,000 gallon unleaded gasoline underground storage tank (UST), one 1,000 gallon consumptive use fuel oil UST, and one 560 gallon waste oil UST were excavated and removed from the site. During the excavation of these tanks, a release to the environment was reported on April 12, 1990;
- o EnecoTech Midwest, Inc. (EnecoTech) was retained by Sinclair on October 12, 1990 to conduct a site investigation at the above referenced site;

- o Soil boring activities were initiated on October 12, 1990 and completed on July 10, 1991. A total of 10 boreholes (8 soil borings, 2 monitoring wells) were completed to depths ranging from 21 to 61 feet below ground surface (bgs);
- o The site is underlain by a silty/sandy clay to a depth of 44 feet bgs. Interbedded within the clay unit are 2- to 5-foot thick, discontinuous fine to medium grained sand seams containing both silt and clay. A poorly graded sand unit was observed underlying the clay unit in soil borings MW-01 and SB-06;
- o Perched saturated zones were encountered at various depths ranging form 9 to 41 feet bgs. Commonly, the perched water was found in more permeable silt or sand layers within the main surficial clay unit. None of the saturated layers were thicker than 2 to 3 feet or deeper than 41 feet bgs. Local groundwater flow directions could not be determined due to the wide discrepancy in depths to perched horizons (42 to 43 feet bgs in monitoring well MW-01 and 10 to 15 feet bgs in monitoring well MW-02);
- o Soil samples were collected from depths of 9 to 59 feet bgs. Benzene was detected at concentrations of 0.09 milligrams per kilogram (mg/kg) in SB-04-24 to 0.95 mg/kg in SB-08-34. Total petroleum hydrocarbons as gasoline (TPH-gas) was detected at concentrations of 2.1 mg/kg (SB-04-24) to 47 mg/kg (SB-08-34). Total petroleum hydrocarbons as fuel oil (TPH-fuel oil) was encountered at concentrations of 8.4 mg/kg (SB-04-09) to 220 mg/kg (SB-08-10);
- o Groundwater samples collected on November 12, 1990 were analyzed for MDH 465C volatile parameters including benzene, toluene, ethyl benzene, xylenes (BTEX), TPH-gas, and TPH-fuel oil. In addition to these parameters, the groundwater samples collected on May 30, 1991 and July 10, 1991 were analyzed for methyl tertiary butyl ether (MTBE) and lead;
- o Groundwater samples collected in November, 1990 from monitoring well MW-01 did not contain BTEX or other MDH 465C analytes (Table 1). However, the November 1990 groundwater sample from MW-01 contained TPH-gas and TPH-fuel oil at concentrations of 0.018 milligrams per liter (mg/l) and 0.680 mg/l, respectively (Table 1);
- o The November 1990 monitoring well MW-02 groundwater sample contained 32 mg/l benzene, 250 mg/l TPH-gas, and 48 mg/l TPH-fuel oil (Table 1). In addition 1,2 dichloroethane was detected at a concentration of 0.032 mg/l (Table 2);

- o The concentrations of the petroleum constituents detected in monitoring well MW-02 during November 1990 had decreased by May 1991 to 19 mg/l benzene, 102 mg/l TPH-gas, and 26 mg/l TPH-fuel oil (Table 1) ;
- o An increase in solvent constituents was detected in the May 1991 samples. Tetrahydrofuran (THF) was detected at concentrations of 0.0099 mg/l in MW-01 to 16.0 mg/l in MW-02 (Table 2). Ethyl ether (1.2 mg/l) and methyl ethyl ketone (MEK) (2.0 mg/l) were also detected in MW-02 (Table 2). The presence of these compounds was questioned due to the limitations of the analytical equipment and the lack of a clear source;
- o A vapor survey of the utility corridors was conducted on September 3, 1991 using a photoionization detector (PID) and an explosimeter. All readings showed non-detectable vapor levels;
- o Review of potential groundwater receptors in the site vicinity did not indicate the petroleum release is a threat to public health;
- o The RI/CAD report was submitted to the MPCA on February 5, 1992;
- o Permission to discontinue site work during the RI/CAD review period was given to EnecoTech by Mr. Dave Tetley, MPCA Project Hydrogeologist in December 1991. This permission was reiterated by Mr. Chris McLain, MPCA Project Manager, on December 1, 1992;
- o The MPCA approved the CAD as proposed with the modification of an additional round of sampling.

RESULTS

EnecoTech collected an additional round of groundwater samples from site associated monitoring wells on March 25, 1993. Samples were analyzed for parameters on the MDH 465D list (by GC/MS methods), DRO, and GRO. Laboratory data indicated that BTEX, GRO, and DRO were not detected in the groundwater sample collected from monitoring well MW-01 (Table 1). The groundwater sample collected from monitoring well MW-02 exhibited dissolved concentrations of benzene (30 mg/l), o-xylene (4.4 mg/l), toluene (36 mg/l), and m,p-xylene (5 mg/l) (Table 1). This sample also contained 100 mg/l GRO and 6.4 mg/l DRO.

Mr. Chris McLain
Minnesota Pollution Control Agency
June 2, 1993
Page 4

Non-petroleum type compounds were only detected in the groundwater sample collected from monitoring well MW-01. Acetone was detected by the GC/MS method at monitoring well MW-01 with a concentration of 0.029 mg/l (Table 2).

A confirmation groundwater sample was collected from monitoring well MW-02 on April 23, 1993. The second set of analytical data indicated a reduction in dissolved hydrocarbon concentrations with reported values of Benzene (11 mg/l), toluene (14 mg/l), ethyl benzene (1.2 mg/l), total xylenes (7.4 mg/l), and GRO (60 mg/l) (Table 1). Photocopies of laboratory data sheets from the two rounds of additional sampling are provided in attachment C.

DISCUSSION

Dissolved hydrocarbon levels derived from additional groundwater sampling remained consistent with concentrations reported earlier in the RI/CAD. Dissolved petroleum hydrocarbon constituents remained below method detection limits in groundwater samples collected from monitoring well MW-01. Groundwater sample collection and analysis from monitoring well MW-02 revealed elevated dissolved petroleum hydrocarbon concentrations of the same order of magnitude as noted during the RI.

Non-petroleum type constituents, which were detected during earlier groundwater sampling, were either not identified or present at low concentrations by the GC/MS analytical methods. As stated previously, the only detected organic compound not typically associated with a petroleum hydrocarbon release was acetone at monitoring well MW-01.

RECOMMENDATIONS

EnecoTech recommends no further action at the subject site. This recommendation is supported by the following:

- o The distribution of soil hydrocarbon impacts is limited vertically by the clay sub-strata to the upper 40 feet of soil horizon and horizontally to the southern margins of the property;
- o No potential receptors were identified in the site vicinity during the remedial investigation;

Mr. Chris McLain
Minnesota Pollution Control Agency
June 2, 1993
Page 5

- o Dissolved hydrocarbon levels have remained stable with elevated dissolved concentrations limited to the UST basin area. This trend indicates that discontinuous perched saturated zones are not hydraulically connected and dissolved hydrocarbon impacts are effectively contained by the low permeability clay deposits prevalent beneath the site; and
- o Volatile organic compounds, not typical of a petroleum hydrocarbon release, were not detected at regulatory significant levels by GC/MS methodologies.

EnecoTech understands that no further sampling will be conducted at the subject site until after the MPCA has the opportunity to review this correspondence.

Please contact Kristin Moeller or me at 612-854-5513 if you have any questions or comments pertaining to this site. Thank you in advance for your attention in this matter.

Respectfully,

ENECOTECH MIDWEST, INC.



Todd L. Renville
Senior Project Hydrogeologist



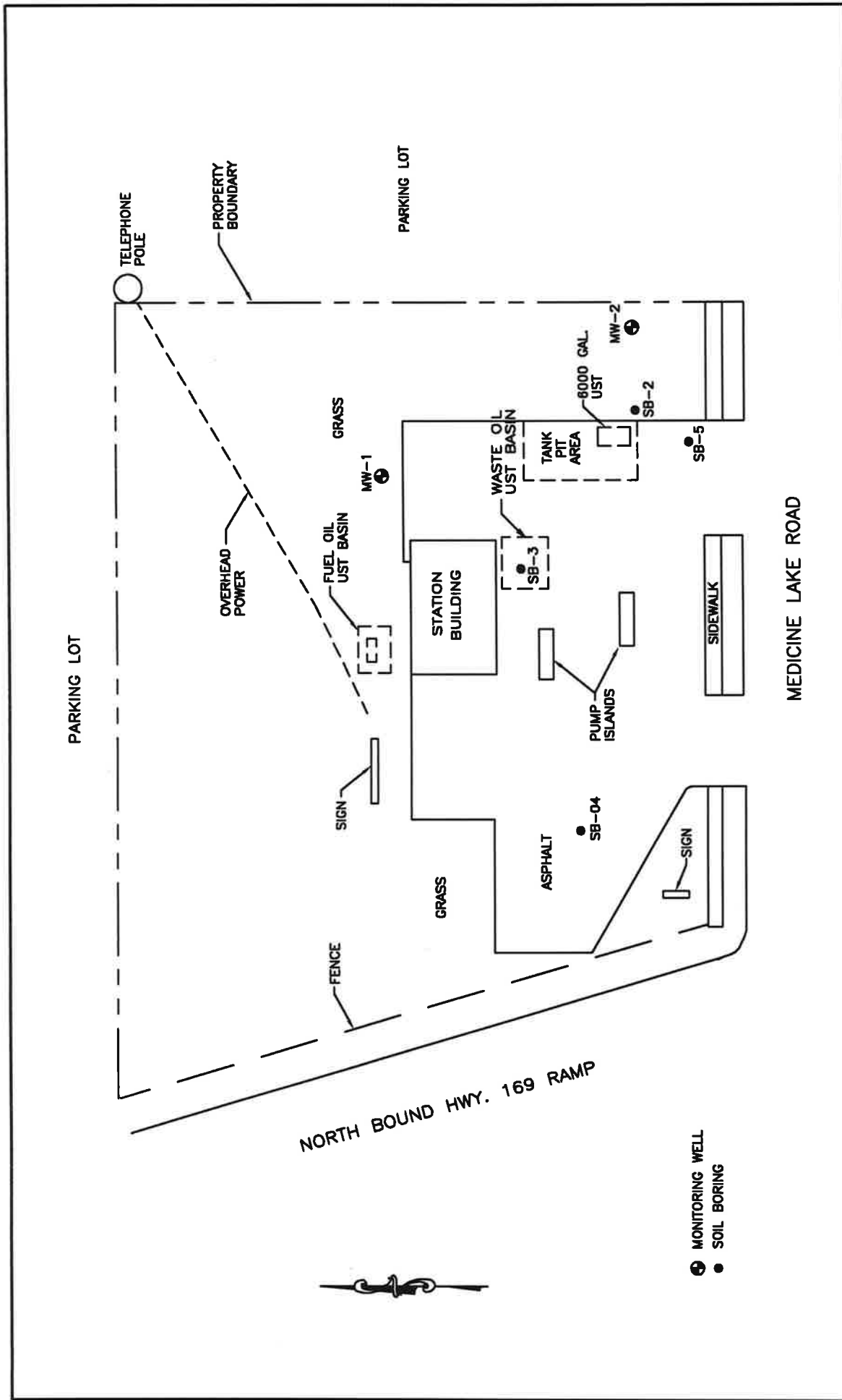
Kristin Kennedy Moeller, CPG
Senior Hydrogeologist

TLR/KKM:tlo
Attachments

cc: Mr. Craig Anderson - Sinclair Marketing Co., Salt Lake City, Utah
Mr. Larry Feldsien - Sinclair Marketing Co., Richfield, Minnesota

TRV711-015.ltr

**ATTACHMENT A
FIGURES**



 EnecoTech ENVIRONMENTAL CONSULTANTS BLOOMINGTON, MINNESOTA		FIGURE 1 SITE MAP SINCLAIR SERVICE STATION 9456 MEDICINE LAKE ROAD, NEW HOPE, MN				
PROJECT NO.	DATE	SCALE	PREPARED BY	REVIEWED BY	DATE	REVISION
711-015	5/93	1" = 20'	GMS			ORIGINAL
						SB

**ATTACHMENT B
TABLES**

Table 1

Groundwater Analytical Data

Sinclair Service Station

9456 Medicine Lake Rd., New Hope, MN

Project Number: 711-015

Well Number	Date	Benzene	Toluene	Ethyl-benzene	Xylene	Total BTEX	TPH-Gasoline	TPH-Fuel Oil	MTBE	Lead	GRO	DRO
MW-01	11/12/90	ND	ND	ND	ND	ND	0.018	0.68	*	*	*	*
MW-01	07/10/91	ND	ND	ND	ND	ND	ND	ND	ND	0.6	*	*
MW-01	08/26/91	ND	ND	ND	ND	ND	ND	ND	ND	0.006	*	*
MW-01	03/25/93	ND	ND	ND	ND	ND	*	*	ND	*	ND	ND
MW-02	11/12/90	32	25	1.8	10	68.8	250	48	*	*	*	*
MW-02	05/30/91	19	19	1.0	9.3	48.3	102	2.6	*	0.074	*	*
MW-02	08/26/91	18	19	0.76	8.0	45.76	140	19	ND	0.0008	*	*
MW-02	03/25/93	30	36	ND	9.4	75.4	*	*	ND	*	100	6.4
MW-02	04/23/93	11	14	1.2	7.4	33.6	*	*	*	*	60	*
MDH-RAL		0.01	1.0	0.7	10					0.02		

* = Not Analyzed.

ND = Not Detected.

All values reported in milligrams per liter (parts per million).

MDH-RAL = Minnesota Department of Health Recommended Allowable Limit.

Table 2
Groundwater Analytical Data - Volatile Organic Compounds
Sinclair Service Station
9456 Medicine Lake Rd., New Hope, MN
Project Number: 711-015

Well Number	Date	Acetone	1,2-Dichloro-ethane	Isopropyl-benzene	Tetrahydro-furan	Ethyl ether	Methyl ethyl ketone
MW-01	07/10/91	ND	ND	ND	0.0099	ND	ND
MW-01	03/25/93	0.029	ND	ND	ND	ND	ND
MW-02	11/12/90	ND	0.032	0.02	ND	ND	ND
MW-02	05/30/91	ND	ND	ND	16	1.2	2.0
MDH-RAL		0.7	0.004	0.3	0.1	1.0	0.3

ND = Not Detected.
 All values reported in milligrams per liter (parts per million).
 MDH-RAL = Minnesota Department of Health Recommended Allowable Limit.
 Analytical methods used were MDH-465C and MDH-465D.

**ATTACHMENT C
LABORATORY DATA SHEETS**

Today

LABORATORY REPORT

Client: EnecoTech Midwest, Inc.
3050 Metro Drive., Suite 115
Bloomington, MN 55425

Date Sampled: 03/25/93
Date Received: 03/25/93
Date Analyzed: 03/30/93 - 04/06/93
Physical State: Aqueous

Project: Sinclair
Medicine Lake Road

Report Date: 04/07/93
Lab P.N.: 1020-34
Client P.N.: 711-015

Quality Assurance / Quality Control Summary

<u>Parameter (Method)</u>	<u>QC Type</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>Percent Reproducibility</u>	<u>Acceptable Range</u>
GRO (Wis. DNR)	M	89	117 - 85	102	115 - 84
DRO (Wis. DNR)	M	114	120 - 80	102	120 - 80

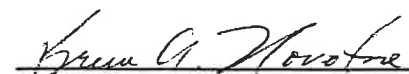
RECEIVED
APR 15 1993

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 the whom it is addressed. The Laboratory Results are only a part of the Laboratory Report.

LABORATORY RESULTS

Client: EnecoTech Midwest, Inc.
3050 Metro Drive., Suite 115
Bloomington, MN 55425

Date Sampled: 03/25/93
Date Received: 03/25/93
Date Analyzed: 04/02/93 - 04/06/93
Physical State: Aqueous

Project: Sinclair
Medicine Lake Road

Report Date: 04/07/93
Lab P.N.: 1020-34
Client P.N.: 711-015

<u>Sample I.D.</u>	GRO	DRO
	$\mu\text{g/l}$	$\mu\text{g/l}$
	<u>Wis. DNR</u>	<u>Wis. DNR</u>
MW-01	<20	<10
MW-02	100.000	6,400†
MDL, $\mu\text{g/l}$	20	10

†; No diesel pattern match

MDL; Method Detection Limit for undiluted samples

GRO; Gasoline Range Organics

DRO; Diesel Range Organics

All results are in $\mu\text{g/l}$ which is equal to parts-per-billion (ppb)

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

LABORATORY RESULTS

Client: EnecoTech Midwest, Inc.
 3050 Metro Drive, Suite 115
 Bloomington, MN 55425

Report Date: 04/07/93
 Lab P.N.: 1020-34
 Client P.N.: 711-015

Project: Sinclair
 Medicine Lake Road

Date Sampled: 03/25/93
 Date Analyzed: 03/30/93
 Physical State: Aqueous

EPA 8240, MDH 465D List[†]

<u>Sample I.D.</u>	Method Blank	MW-01	PQL
<u>Parameter</u>	<u>µg/l</u>	<u>µg/l</u>	<u>µg/l</u>
Acetone	ND	29	10
Allyl Chloride	ND	ND	10
Benzene	ND	ND	10
Bromobenzene	ND	ND	10
Bromochloromethane	ND	ND	10
Bromodichloromethane	ND	ND	10
Bromoform	ND	ND	10
Bromomethane	ND	ND	10
n-Butylbenzene	ND	ND	10
sec-Butylbenzene	ND	ND	10
tert-Butylbenzene	ND	ND	10
Carbon tetrachloride	ND	ND	10
Chlorobenzene	ND	ND	10
Chloroethane	ND	ND	10
Chloroform	ND	ND	10
Chloromethane	ND	ND	10
2-Chlorotoluene	ND	ND	10
4-Chlorotoluene	ND	ND	10
Dibromochloromethane	ND	ND	10
1,2-Dibromo-3-chloropropane	ND	ND	10
1,2-Dibromoethane	ND	ND	10
Dibromomethane	ND	ND	10
1,2-Dichlorobenzene	ND	ND	10

PQL: Practical Quantitation Limit

†; subcontracted / ND; Not Detected / 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: EnecoTech Midwest, Inc.
 3050 Metro Drive, Suite 115
 Bloomington, MN 55425

Report Date: 04/07/93
Lab P.N.: 1020-34
Client P.N.: 711-015

Project: Sinclair
 Medicine Lake Road

Date Sampled: 03/25/93
Date Analyzed: 03/30/93
Physical State: Aqueous

EPA 8240, MDH 465D List†

<u>Sample I.D.</u>	Method Blank	MW-01	MDL
<u>Parameter</u>	<u>µg/l</u>	<u>µg/l</u>	<u>µg/l</u>
1,3-Dichlorobenzene	ND	ND	10
1,4-Dichlorobenzene	ND	ND	10
Dichlorodifluoromethane	ND	ND	10
1,1-Dichloroethane	ND	ND	10
1,2-Dichloroethane	ND	ND	10
1,1-Dichloroethene	ND	ND	10
cis-1,2-Dichloroethene	ND	ND	10
trans-1,2-Dichloroethene	ND	ND	10
Dichlorofluoromethane	ND	ND	10
1,2-Dichloropropane	ND	ND	10
1,3-Dichloropropane	ND	ND	10
2,2-Dichloropropane	ND	ND	10
1,1-Dichloropropene	ND	ND	10
cis-1,3-Dichloropropene	ND	ND	10
trans-1,3-Dichloropropene	ND	ND	10
Ethylbenzene	ND	ND	10
Ethyl Ether	ND	ND	10
Hexachlorobutadiene	ND	ND	10
Isopropylbenzene	ND	ND	10
p-Isopropyltoluene	ND	ND	10
Methyl ethyl ketone	ND	ND	10

PQL; Practical Quantitation Limit

†; subcontracted / ND; Not Detected / All results are in µg/l which is equal to parts-per-billion (ppb).

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LABORATORY RESULTS

Client: EnecoTech Midwest, Inc.
 3050 Metro Drive, Suite 115
 Bloomington, MN 55425

Report Date: 04/07/93
 Lab P.N.: 1020-34
 Client P.N.: 711-015

Project: Sinclair
 Medicine Lake Road

Date Sampled: 03/25/93
 Date Analyzed: 03/30/93
 Physical State: Aqueous

EPA 8240, MDH 465D List†

<u>Sample I.D.</u>	Method Blank	MW-01	PQL
<u>Parameter</u>	<u>µg/l</u>	<u>µg/l</u>	<u>µg/l</u>
Methyl isobutyl ketone	ND	ND	10
Methyl tert butyl ether	ND	ND	10
Methylene Chloride	ND	ND	10
Naphthalene	ND	ND	10
n-Propylbenzene	ND	ND	10
o-Xylene	ND	ND	10
Styrene	ND	ND	10
1,1,1,2-Tetrachloroethane	ND	ND	10
1,1,2,2-Tetrachloroethane	ND	ND	10
Tetrachloroethene	ND	ND	10
Tetrahydrofuran	ND	ND	10
Toluene	ND	ND	10
1,2,3-Trichlorobenzene	ND	ND	10
1,2,4-Trichlorobenzene	ND	ND	10
1,1,1-Trichloroethane	ND	ND	10
1,1,2-Trichloroethane	ND	ND	10
Trichloroethene	ND	ND	10
Trichlorofluoromethane	ND	ND	10
1,2,3-Trichloropropane	ND	ND	10
1,1,2-Trichlorotrifluoroethane	ND	ND	10
1,2,4-Trimethylbenzene	ND	ND	10
1,3,5-Trimethylbenzene	ND	ND	10
Vinyl Chloride	ND	ND	10
m,p-Xylene	ND	ND	10

PQL; Practical Quantitation Limit

†; subcontracted / ND; Not Detected / 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: EnecoTech Midwest, Inc.
 3050 Metro Drive, Suite 115
 Bloomington, MN 55425

Report Date: 04/07/93
 Lab P.N.: 1020-34
 Client P.N.: 711-015

Project: Sinclair
 Medicine Lake Road

Date Sampled: 03/25/93
 Date Analyzed: 03/30/93
 Physical State: Aqueous

EPA 8240, MDH 465D List†

<u>Sample I.D.</u>	MW-02	PQL
<u>Parameter</u>	<u>µg/l</u>	<u>µg/l</u>
Acetone	ND	2,500
Allyl Chloride	ND	2,500
Benzene	30,000	2,500
Bromobenzene	ND	2,500
Bromochloromethane	ND	2,500
Bromodichloromethane	ND	2,500
Bromoform	ND	2,500
Bromomethane	ND	2,500
n-Butylbenzene	ND	2,500
sec-Butylbenzene	ND	2,500
tert-Butylbenzene	ND	2,500
Carbon tetrachloride	ND	2,500
Chlorobenzene	ND	2,500
Chloroethane	ND	2,500
Chloroform	ND	2,500
Chloromethane	ND	2,500
2-Chlorotoluene	ND	2,500
4-Chlorotoluene	ND	2,500
Dibromochloromethane	ND	2,500
1,2-Dibromo-3-chloropropane	ND	2,500
1,2-Dibromoethane	ND	2,500
Dibromomethane	ND	2,500
1,2-Dichlorobenzene	ND	2,500

PQL: Practical Quantitation Limit

†: subcontracted / ND; Not Detected / 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: EnecoTech Midwest, Inc.
 3050 Metro Drive, Suite 115
 Bloomington, MN 55425

Report Date: 04/07/93
 Lab P.N.: 1020-34
 Client P.N.: 711-015

Project: Sinclair
 Medicine Lake Road

Date Sampled: 03/25/93
 Date Analyzed: 03/30/93
 Physical State: Aqueous

EPA 8240, MDH 465D List†

<u>Sample I.D.</u>	MW-02	PQL
<u>Parameter</u>	<u>µg/l</u>	<u>µg/l</u>
1,3-Dichlorobenzene	ND	2,500
1,4-Dichlorobenzene	ND	2,500
Dichlorodifluoromethane	ND	2,500
1,1-Dichloroethane	ND	2,500
1,2-Dichloroethane	ND	2,500
1,1-Dichloroethene	ND	2,500
cis-1,2-Dichloroethene	ND	2,500
trans-1,2-Dichloroethene	ND	2,500
Dichlorofluoromethane	ND	2,500
1,2-Dichloropropane	ND	2,500
1,3-Dichloropropane	ND	2,500
2,2-Dichloropropane	ND	2,500
1,1-Dichloropropene	ND	2,500
cis-1,3-Dichloropropene	ND	2,500
trans-1,3-Dichloropropene	ND	2,500
Ethylbenzene	ND	2,500
Ethyl Ether	ND	2,500
Hexachlorobutadiene	ND	2,500
Isopropylbenzene	ND	2,500
p-Isopropyltoluene	ND	2,500
Methyl ethyl ketone	ND	2,500

PQL; Practical Quantitation Limit

†; subcontracted / ND; Not Detected / 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: EnecoTech Midwest, Inc.
 3050 Metro Drive, Suite 115
 Bloomington, MN 55425

Report Date: 04/07/93
 Lab P.N.: 1020-34
 Client P.N.: 711-015

Project: Sinclair
 Medicine Lake Road

Date Sampled: 03/25/93
 Date Analyzed: 03/30/93
 Physical State: Aqueous

EPA 8240, MDH 465D List†

<u>Sample I.D.</u>	MW-02	PQL
<u>Parameter</u>	<u>µg/l</u>	<u>µg/l</u>
Methyl isobutyl ketone	ND	2,500
Methyl tert butyl ether	ND	2,500
Methylene Chloride	ND	2,500
Naphthalene	ND	2,500
n-Propylbenzene	ND	2,500
o-Xylene	4,400	2,500
Styrene	ND	2,500
1,1,1,2-Tetrachloroethane	ND	2,500
1,1,2,2-Tetrachloroethane	ND	2,500
Tetrachloroethene	ND	2,500
Tetrahydrofuran	ND	2,500
Toluene	36,000	2,500
1,2,3-Trichlorobenzene	ND	2,500
1,2,4-Trichlorobenzene	ND	2,500
1,1,1-Trichloroethane	ND	2,500
1,1,2-Trichloroethane	ND	2,500
Trichloroethene	ND	2,500
Trichlorofluoromethane	ND	2,500
1,2,3-Trichloropropane	ND	2,500
1,1,2-Trichlorotrifluoroethane	ND	2,500
1,2,4-Trimethylbenzene	ND	2,500
1,3,5-Trimethylbenzene	ND	2,500
Vinyl Chloride	ND	2,500
m,p-Xylene	5,000	2,500

PQL; Practical Quantitation Limit

†; subcontracted / ND; Not Detected / 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.

PROJ. NO.	PROJECT NAME / LOCATION	NO. AND TYPE OF CONTAINERS	ANALYTICAL METHODS				LABORATORY	TURNAROUND TIME	PROJECT MANAGER	COMMENTS
711-015	Sinclair Medicines Lake Rd		MDH 465D GC/MS DRO GRO				1020-34	STD	Todd Renucci	
SAMPLERS: (Signature) Jovan & Rubin										
SAMPLE I.D.	DATE	TIME	MATRIX							
MW-01	3/25/93		H ₂ O	3-40 ml VOA's 1-100ml Star		✓	✓	✓	3077	
MW-02	3/25/93		H ₂ O	"		✓	✓	✓	3078	
RELINQUISHED BY: (Signature) Jovan & Rubin		Date/Time 3/25/93 12:30	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)		Date/Time	RECEIVED BY: (Signature)			
RELINQUISHED BY: (Signature)		Date/Time	RECEIVED FOR LABORATORY ANALYSIS BY: (Signature) James R. Hensley	Date/Time	REMARKS					

LABORATORY REPORT

Client: EnecoTech Midwest, Inc.
3050 Metro Drive, Suite 115
Bloomington, MN 55425

Date Sampled: 04/23/93
Date Received: 04/23/93
Date Analyzed: 04/29/93
Physical State: Aqueous

Project: Sinclair
Medicine Lake Road
New Hope, MN

Report Date: 04/30/93
Lab P.N.: 1020-34.2
Client P.N.: 711-015

Quality Assurance / Quality Control Summary

<u>Parameter (Method)</u>	<u>QC Type</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>Percent Reproducibility</u>	<u>Acceptable Range</u>
Benzene (EPA 8020)	M	86	127 - 76	91	127 - 76
Toluene (EPA 8020)	M	87	125 - 76	92	125 - 76
Ethylbenzene (EPA 8020)	M	88	125 - 76	90	125 - 76
m,p-Xylenes (EPA 8020)	M	89	125 - 76	91	125 - 76
o-Xylenes (EPA 8020)	M	88	125 - 76	91	125 - 76
GRO (Wis. DNR)	M	113	117 - 85	90	115 - 84

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 the whom it is addressed. The Laboratory Results are only a part of the Laboratory Report.

LABORATORY RESULTS

Client: EnecoTech Midwest, Inc.
3050 Metro Drive, Suite 115
Bloomington, MN 55425

Date Sampled: 04/23/93
Date Analyzed: 04/29/93
Physical State: Aqueous

Project: Sinclair
Medicine Lake Road
New Hope, MN

Report Date: 04/30/93
Lab P.N.: 1020-34.2
Client P.N.: 711-015

<u>Sample I.D.</u>	<u>Benzene</u> μg/l <u>EPA 8020</u>	<u>Toluene</u> μg/l <u>EPA 8020</u>	<u>Ethyl- benzene</u> μg/l <u>EPA 8020</u>	<u>Total, Xylenes</u> μg/l <u>EPA 8020</u>	<u>GRO</u> μg/l <u>Wis. DNR</u>
MW-02	11,000	14,000	1,200	7,400	60,000
MDL, μg/l	10	25	10	40	1000

MDL; Method Detection Limit

GRO; Gasoline 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.

MAY 04 1993



ENVIROMENTAL CONSULTANTS

CHAIN OF CUSTODY RECORD

3050 METRO DR., SUITE 115, BLOOMINGTON, MN (612) 854-5513

PROJ. NO.	PROJECT NAME / LOCATION	ANALYTICAL METHODS						
711-015	Sinclair / Medicine Lake Road, New Hope	BTEX, GRO						
SAMPLERS: (Signature) Colleen K. Vasa	(TLR)							
SAMPLE I.D.	DATE	TIME	MATRIX	NO. AND TYPE OF CONTAINERS	LABORATORY	TURNAROUND TIME	PROJECT MANAGER	COMMENTS
MW-02	4/23/93	13:00	water	3-40 ml vials	Horizon	Std.	T. Renville	3475
RELINQUISHED BY: (Signature) Colleen K. Vasa	Date/Time 4/23/93 14:00	RECEIVED BY: (Signature)	Date/Time	RELINQUISHED BY: (Signature)	Date/Time	RECEIVED BY: (Signature)	Date/Time	REMARKS
RELINQUISHED BY: (Signature)	Date/Time	RECEIVED FOR LABORATORY ANALYSIS BY: (Signature) Pat East	Date/Time	RELINQUISHED BY: (Signature)	Date/Time	RECEIVED BY: (Signature)	Date/Time	REMARKS 4/23-93 16:25

OFFICE USE ONLY:
 _____ INITIAL APP _____ SUPP **X**
 _____ PHASE

OFFICE USE ONLY:
 LEAK # 2423
 ENTERED 5-28-97 AMJ

LLH

MINNESOTA PETROLEUM TANK RELEASE COMPENSATION BOARD
APPLICATION FOR REIMBURSEMENT

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

I APPLICANT INFORMATION

Check if New Address or Phone Number

Name Madonna Towers

Mail Address 4001 19th Avenue NW

City Rochester State MN Zip 55901

Contact Person (if different from above "Name") John Parish

Day Phone (507) 288-3911 Ext: _____ Fax (_____) _____

Check One: Responsible Party Corporation
 Volunteer Partnership
 Non-Responsible Party Individual
 (See Application Guide) Other

State of Minnesota
MAY 28 1997
 Dept. of Commerce

- / - / 65 to 4 / 13 / 90 Dates Owner/Operator of tank(s). (Complete if "Responsible Party" box is checked.)
/ / to / / Dates Volunteer owned property. (Complete if "Volunteer" box is checked.)

NOTE: If the applicant owns or owned three or fewer Minnesota facilities for dispensing motor vehicle fuels, please complete Section XIII.

II LEAK SITE INFORMATION

2423 Petrofund Leak Number _____ MPCA Project Manager _____

Tank Facility Name Madonna Towers

Address 4001 19th Avenue NW

City Rochester MN Zip 55901

Day Phone (507) 288-3911 County of Leak Site: Olmsted

4 / 13 / 90 Date petroleum leak detected.
4 / 13 / 90 Date petroleum leak reported to MPCA.

Yes or No Is tank leak on personal residential property? (Circle One)

75 Cubic Yards. Total amount of contaminated soil excavated at this site.

2,200 ppm. State the range of soil contamination concentration (total hydrocarbons).

III ASSIGNMENT CERTIFICATION AND/OR TERMINATION

CHECK ALL THAT APPLY:

Petrofund Assignment Agreement has been executed (Attach original of new Assignment form.)
 List Assignees: _____

Assignment form is already on file with the Department of Commerce.
 Assignment Agreement from previous application has been terminated. (Attach original Termination form.)
 Not applicable.

DO NOT STAPLE OR BIND APPLICATION — CLIP OR RUBBER BAND ONLY
 APPLICATION EFFECTIVE December 11, 1996 - JUNE 30, 1997

IV APPLICATION PHASE

Check appropriate box and complete the information requested for the box checked (See Application Guide for further information).

Pre-removal site assessment

____/____/____ Date(s) of the assessment report
____/____/____ Date of property sale, if applicable

Phase 1 Soil Corrective Action Costs and/or Remedial Investigation Costs

____/____/____ Date of SCAP approval or MPCA soil treatment letter (*Attach copy*)

Phase 2 Installation Costs of MPCA Approved Soil and/or Groundwater Comprehensive Corrective Action Design System (CCAP/CAD) and/or Groundwater Monitoring and System Maintenance Costs

____/____/____ Date of CCAP/CAD Approval (*Attach copy*)
____/____/____ Date CCAP/CAD Installation Letter (*Attach copy*)
4 / 19 / 95 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.) Corrosion of Tank #1

How was the release discovered? During removal of USTs

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:
N/A

Yes or No Did any of the persons listed above incur corrective action costs related to this petroleum release?
(Circle One) If yes, list name(s) and address(es) if known: _____

VI TYPE OF REMEDIATION SYSTEM

Check the type of soil and/or groundwater remediation system used or projected for your site.

Soil Remediation Technologies:

- Bioplies
- Bioventing
- Incineration
- Landfarming
- Low-temperature thermal desorption
- Natural attenuation
- Soil vapor extraction
- Soil washing

Groundwater Remediation Technologies:

- Air sparging
- Biosparging
- Dual phase extraction
- In situ groundwater bioremediation
- Natural attenuation

VII MPCA TANK INFORMATION AND COMPLIANCE

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 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/overfill 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 more than five tanks are involved.)

Tank #	Petroleum Product	Capacity	Tank Material	Date Installed	Date Registered	Date Removed (If applicable)
1	Leaded and Unleaded Gas	560 Gal	Steel	1965		4/13/90
2	Fuel Oil	15,000 Gal	Steel	1965		4/13/90
3	Unleaded Gas	560 Gal	Steel	1990		—
4	Fuel Oil	15,000 Gal	Steel	1990		—
5						

TANKS

Tank #	Leak Detection (Select Method Below)	Corrosion Protection (Select Method Below)	Spill Bucket (Yes/No)	Overfill Protection (Select Method Below)
1				
2				
3				
4				
5				

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

If tank tightness tests performed, indicate dates of all tests: _____

PIPING

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

If piping tightness tests performed, indicate dates of all tests: _____

_____ Southern Minnesota Oil Equipment Identify MPCA certified tank removal contractor utilized during tank excavation.

0099 _____ MPCA contractor certification number. (Invoice(s) may be requested)

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 or not the volume of the secondary containment area is adequate for the contents of the largest tank (Y/N)

Tank	Contents	Capacity	Date Installed	Registered Yes/No/Ukn	Description of Secondary Containment Volume Verification Yes/No			
					Walls	Base	Perm test on (date)	
<i>Sample</i>	<i>unleaded gas</i>	<i>15,000 gallons</i>	<i>1/1/47</i>	<i>Yes</i>	<i>Concrete Block</i>	<i>6" compact clay/6" gravel fill</i>	<i>Perm test on (date)</i>	<i>No</i>
1								
2								
3								

VIII ELIGIBLE COSTS

Yes or No Are any of the costs listed in the Eligible Cost Worksheets in dispute? (Circle One) (From pages 9 - 20)

Yes or No Are ongoing corrective action costs expected at this leak site? (Circle One)

Explain briefly any ongoing corrective action costs (approximate figures) relative to the petroleum release and work to be done: (Attach additional sheets if necessary.)

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

Yes or No Did the applicant have in effect one or more insurance policies at the time of the release? (Circle One)
 If yes, was a claim filed for coverage of any of the costs for which the applicant is seeking reimbursement in this application? If no, explain why no claim was filed: _____

If yes, did the insurer agree to cover your claim? _____
 If yes, state the amount of benefits received (or to be received) and provide a copy of the insurer's explanation of benefits. \$ _____
 If no, provide a copy of the insurer's letter explaining the reasons for denying your claim.

Yes or No Is applicant aware of any other insurance policy, whether the policy is held by the applicant or another person, that could possibly cover any of the eligible costs in this application? (Circle One)
 If "Yes", please explain: _____

Yes or 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? (Circle One)
 If yes, identify all third parties and provide a copy of all correspondence between the applicant and third parties.

Please provide a brief chronological description (including dates) of the clean-up activities covered on this application including any special circumstances: _____
Abandonment of well (drilling charges were omitted on our last Petrofund application)

Yes or No Is applicant aware of any action the applicant committed or of any action by a consultant or contractor which may have caused or aggravated the contamination at this site? (Circle One) If "Yes", please explain _____

IX COMPETITIVE BIDDING

List names of ALL written bids/proposals obtained to perform corrective action at this leak site. Attach copies of ALL signed and dated bids/proposals. (USE ADDITIONAL SHEETS IF NECESSARY):

	Bidder Selected*	Name	Amount of Bid	Date of Bid	Task
Consultants	[]	Copies already on file with Dept of Commerce			
	[]				
	[]				
Contractors	[]				
	[]				
	[]				

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

CONSULTANTS/CONTRACTORS

Complete the following for ALL contractors, subcontractors, consultants, engineering firms or others who performed corrective actions at this release site (see Application Guide).

Describe below any relationship, financial or otherwise, between the applicant and anyone who performed work at this site: _____

Land Farmer/Compost Site or Thermal Treatment Facility (Attach a copy of the land farming/composting contract.):

_____ Petrofund Registration Number

Name _____

Contact person _____

Address _____

City _____ State _____ Zip _____

Day Phone # () _____

Consultants/Contractors (Attach additional pages if necessary.)

1252 Petrofund Registration Number

Name of individual or firm: Braun Intertec Corporation

Mailing Address: 2831 Larson Street La Crosse Wisconsin 54603-1814
(City) (State) (Zip)

Contact Person: _____ Day phone #: (608) 781-7277

_____ Petrofund Registration Number

Name of individual or firm: _____

Mailing address: _____
(City) (State) (Zip)

Contact person: _____ Day phone #:() _____

_____ Petrofund Registration Number

Name of individual or firm: _____

Mailing address: _____
(City) (State) (Zip)

Contact person: _____ Day phone #:() _____

_____ Petrofund Registration Number

Name of individual or firm: _____

Mailing address: _____
(City) (State) (Zip)

Contact person: _____ Day phone #:() _____

"I certify under penalty of perjury that the data and attachments were prepared under my direction or supervision in accordance with a system designed to assure that the information is properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who are directly responsible for gathering the information, the information submitted is, to the best of my knowledge, true and complete.

I certify that if I have incurred but that remain unpaid, I will pay these invoices within 30 days of receipt of reimbursement. 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 demand, then the Board may recover the reimbursement, plus administrative and legal expenses in a civil action and that I may also be subject to a civil penalty."

If information contained herein is to be disseminated in any material way after this application is submitted to the Petrofund, I will immediately notify the Petrofund.

Sign Here
Initial Here
Notarize Here
Return

Professional signature required paid 7/99

APPLICANT SIGNATURE (SIGNATURE REQUIRED)

Applicant name (print/type) Jon Mark Parish
Applicant signature Jon Mark Parish
Date signed 5-27-97

Subscribed and sworn to before me this 27th of MAY, 1997
Notary Public Sharon Thomson
My commission expires: 1-31-2000



CORPORATION AND/OR PARTNERSHIP SIGNATURES (IN ADDITION TO ABOVE SIGNATURES)

"I further certify that I am authorized to sign and submit this application on behalf of MADONNA TOWERS.
Signature Jon Mark Parish Name (please print) Jon Mark Parish
DIRECTOR OF BUILDING SERVICES Date 5-27-97
Title (See Application Guide, Part X)

CONSULTANT SIGNATURE (SIGNATURE REQUIRED) *

I, Rachel M. Fields, confirm that all costs claimed by Braun Intertec Corporation as a part of this 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, A. through N.
Consultant Signature Rachel M. Fields Title Professional Geologist Date 5-21-97

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

APPLICATION PREPARER'S SIGNATURE (SIGNATURE REQUIRED)

Braun Intertec Corporation
(Preparer's name)
Preparer's Signature Deborah Crowley Title Adm. Dept. Manager Date 5-20-97

* 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

APPLICATION EFFECTIVE DECEMBER 11, 1996 - JUNE 30, 1997

XII COST WORKSHEET SUMMARY (Pages 9 - 20)

Yes or **(No)** Does this application contain costs that are listed as ineligible under Minn. Rule 2890.0071, A. through N.?

6 / 28 / 95 to / / Dates of invoices submitted with this application.

Cost worksheets/standardized invoices and bid forms summary: (Details requested on this and next pages A - K)

A \$ 781.25 C \$ E \$ G \$ I \$ K \$
B \$ D \$ F \$ H \$ J \$ 36.75

Total of all eligible costs as listed in the Eligible Cost Worksheets:		\$	<u>818.00</u>
	Insurance Reimbursement	-	\$ <u>(-0-)</u>
	(Subtract)	=	\$ <u>818.00</u>
			X 90%*
	Total Reimbursement Request	=	\$ <u>736.20</u>

* Calculate at 92.5% if leak is on personal residential property

ELIGIBLE COST WORKSHEETS

- * Complete the section of each category (A-K) that corresponds with the dates of your cleanup contract.
- * Description must be specific as to work performed.
- * Invoices must be submitted for each cost listed below.
- * Invoices must contain sufficient detail to verify costs and services entered below.
- * **ATTACH A COPY OF SITE MAP INDICATING TANK LOCATIONS AND LIMITS OF CONTAMINATED SOIL EXCAVATION. IF NEW TANKS WERE INSTALLED, NOTE TANK SIZE AND LOCATION ON SITE MAP.**
- * Duplicate this form if additional worksheets are needed.

A. SOIL BORINGS/MONITORING WELLS, ETC.

Fill out this section if you are submitting invoices from contracts entered into on or before Oct. 5, 1995.

Description	Firm Name	Invoice Number or Date	Total Units	Unit Costs	Subtotal
Penetration Test Borings	Braun Intertec	062282	4.00	135.00	540.00
Auxiliary Truck	Braun Intertec	062282	1.00	86.50	86.50
Drill Rig	Braun Intertec	062282	1.00	136.00	136.00
Installation Materials	Braun Intertec	062282	15.00	1.25	18.75
A Page #1 Subtotal					781.25
Grand Total					781.25

Fill out this section if you are using the Standardized Invoice and Bid forms for contracts entered into on or after Oct. 6, 1995.

Description	Firm Name	Invoice Name e.g. UST Removal & Assessment	Subtotal
Subtotal			
Grand Total			

C. EXCAVATION

Fill out this section if you are submitting invoices from contracts entered into on or before Oct. 5, 1995.

Description	Firm Name	Invoice Number or Date	Total Units	Unit Costs	Subtotal
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
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					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
Subtotal					0.00
Grand Total					

Fill out this section if you are using the Standardized Invoice and Bid forms for contracts entered into on or after Oct. 6, 1995.

Description	Firm Name	Invoice Name e.g. UST Removal & Assessment	Subtotal
<i>Subtotal</i>			
Grand Total			

F. TRUCKING

Fill out this section if you are submitting invoices from contracts entered into on or before Oct. 5, 1995.

Description	Firm Name	Invoice Number or Date	Total Units	Unit Costs	Subtotal
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
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					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
Subtotal					0.00
Grand Total					

Fill out this section if you are using the Standardized Invoice and Bid forms for contracts entered into on or after Oct. 6, 1995.

Description	Firm Name	Invoice Name <i>e.g. UST Removal & Assessment</i>	Subtotal
Subtotal			
Grand Total			

H. SITE RESTORATION AND CLOSURE

Fill out this section if you are submitting invoices from contracts entered into on or before Oct. 5, 1995.

Description	Firm Name	Invoice Number or Date	Total Units	Unit Costs	Subtotal
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
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					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
Subtotal					0.00
Grand Total					

Fill out this section if you are using the Standardized Invoice and Bid forms for contracts entered into on or after Oct. 6, 1995.

Description	Firm Name	Invoice Name e.g. UST Removal & Assessment	Subtotal
Subtotal			
Grand Total			

I. OTHER CLEANUP COSTS OR INTEREST (If reimbursement of interest is being requested, to substantiate that interest has been incurred please document through canceled checks or paid receipts all payments for corrective action costs made to consultants or contractors to date AND fill out attached Interest Reimbursement Worksheet)

Fill out this section if you are submitting invoices from contracts entered into on or before Oct. 5, 1995.

Description	Firm Name	Invoice Number or Date	Total Units	Unit Costs	Subtotal
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
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					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
					0.00
Subtotal					0.00
Grand Total					

Fill out this section if you are using the Standardized Invoice and Bid forms for contracts entered into on or after Oct. 6, 1995.

Description	Firm Name	Invoice Name e.g. UST Removal & Assessment	Subtotal
Subtotal			
Grand Total			

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

Fill out this section if you are submitting invoices from contracts entered into on or before Oct. 5, 1995.

Description	Firm Name	Invoice Number or Date	Total Units	Unit Costs	Subtotal
Field Data Collection	Braun Intertecx	062282	0.75	49.00	36.75
J Page #1 Subtotal					36.75
Grand Total					36.75

Fill out this section if you are using the Standardized Invoice and Bid forms for contracts entered into on or after Oct. 6, 1995.

Description	Firm Name	Invoice Name e.g. UST Removal & Assessment	Subtotal
Subtotal			
Grand Total			

K. MARK-UP

Fill out this section if you are submitting invoices from contracts entered into on or before Oct. 5, 1995.

Description	Firm Name	General Contractor Invoice #	Sub-Contractor Invoice #	Mark Up %	Subtotal
Subtotal					0.00
Grand Total					

There is NO additional section for Letter K.

NOTE: PLEASE REMEMBER TO COMPLETE THE COST WORKSHEET SUMMARY ON PAGE 8.

XIII COMBINED LEAKSITE COSTS OVER \$250,000

The 1996 Minnesota Legislature, under Minn. Stat. 115C.09, Subd. 3a(3), added a level of reimbursement for applicants who meet the following criteria:

- 1. Owned three or fewer Minnesota facilities for dispensing motor vehicle fuels, and if more than one facility has been owned, operations at all facilities must now be discontinued.**
- 2. Dispensed less than 1,000,000 gallons of petroleum at each Minnesota facility for each of the past three calendar years.**
- 3. The MPCA had not issued a site closure notice for the site or sites before April 3, 1996.**

If you meet the above criteria, you *may* be eligible for reimbursement of 90% of the first \$250,000 in combined reimbursable costs among all applicant owned sites and 100% of such costs in excess of \$250,000.

To be eligible for this category, you must be able to document ownership through tax statements or other documents and you must also document the annual amount of petroleum dispensed at each owned site for a three calendar year period. *These documents must accompany your application for reimbursement.* We also need to know whether retail petroleum operations have been *discontinued* at any of the facilities. Please list below your qualifications for receiving this level of reimbursement.

Facility Name(s), Address(es), and Dates of Ownership/Operation: _____

Number of annual gallons dispensed per site for three calendar years (Attach distributor documentation): _____

MPCA Site Closure Dates (each site), if applicable: _____