

# STATE OF MINNESOTA

DEPARTMENT OF PUBLIC SAFETY - DIVISION OF EMERGENCY MANAGEMENT  
8-5 STATE CAPITOL, SAINT PAUL, MN 5515-1049

## MINNESOTA DUTY OFFICER HAZARDOUS MATERIAL INCIDENT REPORT: TANKS

REPORT DATE: 5-23-96 TIME: 1304 DUTY OFFICER: Judy

### REPORTED BY:

NAME: John Landwehr HR  
C/O: Agassiz Environmental  
ADDRESS:  
CITY: STATE:  
PHONE: 612-767-2525 ZIP:  
ALT. PHONE:

### RESPONSIBLE PARTY/PROPERTY OWNER:

CONTACT: Joel Best  
C/O: Best Industries  
ADDRESS: Rt 2 Box 114  
CITY: Hector STATE: Mn  
PHONE: 612-848-2266 ZIP: 55342  
ALT. PHONE:

DISCOVERY DATE: 5-22-96 TIME: NITE PREVIOUSLY REPORTED SITE?  Y /  N /  UNK --- LEAK #: 3399

SITE NAME & ADDRESS: Best DX Main st & Ash Ave CITY: Hector ZIP: 55342 COUNTY: Renoville

NUMBER/SIZE OF TANK(S)	TANK CONTENTS	AGE OF TANKS	TYPES
<u>1 @ 1000</u>	<u>Gas</u>	<u>30+</u>	<u>U.S.T.</u> / A.S.T. - <u>STEEL</u> / FIBRE GLAS
<u>1 @ 1000</u>	<u>"</u>	<u>30+</u>	<u>U.S.T.</u> / A.S.T. - <u>STEEL</u> / FIBRE GLAS
<u>1 @ 1000</u>	<u>"</u>	<u>30+</u>	<u>U.S.T.</u> / A.S.T. - <u>STEEL</u> / FIBRE GLAS
<u>1 @ 8000</u>	<u>"</u>	<u>1987</u>	<u>U.S.T.</u> / A.S.T. - <u>STEEL</u> / FIBRE GLAS
<u>1 @ 8000</u>	<u>"</u>	<u>1987</u>	<u>U.S.T.</u> / A.S.T. - <u>STEEL</u> / FIBRE GLAS

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

WELLS ON SITE?  Y /  N /  UNK 6' from Property WATER SOURCE: MUNICIPAL / PRIVATE WELL

CONTAMINATED SOIL EXCAVATED?  Y /  N /  UNK QUANTITY: 100 cubic yds

ABLE TO DIG OUT OF CONTAMINATION?:  Y /  N /  UNK

GROUND WATER ENCOUNTERED?:  Y /  N /  UNK 1,000 TANKS were full of water DEPTH TO GW: UNK

FREE PRODUCT FOUND?:  Y /  N STAINED SOIL?:  Y /  N PETROLEUM ODORS:  Y /  N

HIGHEST VAPOR READING: 480° ANALYTICAL RESULTS:

NARRATIVE: We took 5 tanks apart, 3. The water came into Basin & then we pumped it out.

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

MPCA TANKS, ATTN: KIM GREGG - FAX  
Region 4 5/24/96

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

This space for MPCA use only  
MPCA PROJECT MANAGER: \_\_\_\_\_ LEAK NUMBER: \_\_\_\_\_



# Minnesota Pollution Control Agency

March 1, 2000

Mr. Joel Best  
Route 1, Box 181C  
Hector, Minnesota 55342

RE: Petroleum Tank Release Site File Closure  
Site: Former Joel Best DX Station, 100 Main Street Hector, MN 55342  
Site ID#: LEAK00003899

Dear Mr. Best:

We are pleased to let you know that the Minnesota Pollution Control Agency (MPCA) 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 MPCA staff has closed the release site file.

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

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

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

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

Mr. Joel Best  
Page 2  
March 1, 2000

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 that may provide partial reimbursement for petroleum tank release cleanup costs. This fund is administered by the Department of Commerce Petro Board. Specific eligibility rules are available from the Petro Board at (651) 297-1119 or (800) 638-0418.

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

For specific information regarding petroleum contamination that may remain at this leak site, please call the Leaking Underground Storage Tank File Request Program at (651) 297-8499. The MPCA fact sheet *Request to Bill for Services Performed* 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 (507) 280-2995 or (800) 657-3864.

Sincerely,



Denise Oakes, P.G.  
Project Manager  
Remediation Unit  
South District/Rochester Office

DO:jfh

cc: David Murphy, City Administrator, Hector  
Robert Rasmussen, Fire Chief, Hector  
Doug Knutson, Renville County Solid Waste Administrator, Olivia  
James Blumke, Agassiz Environmental Systems, Inc., Chisago City  
Mark Hoffman, Minnesota Department of Health, St. Paul  
Petrofund Staff, Minnesota Department of Commerce, St. Paul



# Minnesota Pollution Control Agency

August 26, 1998

Mr. Joel Best  
Route 1, Box 181C  
Hector, Minnesota 55342

RE: Corrective Action Design  
Site: Former Joel Best DX Station, 100 Main Street, Hector  
Site ID#: LEAK00003899

Dear Mr. Best:

The Minnesota Pollution Control Agency (MPCA) Voluntary Petroleum Investigation and Cleanup program (VPIC) staff has reviewed your Annual Report dated August 7, 1998, (Agassiz Environmental Systems). Based upon the information provided, it has been determined that ground water monitoring should continue on a quarterly basis and include wells MW-A and MW-B.

If you have any questions regarding this letter, please contact Bassou Oulgout at 612/297-8597 or Laurie Kania at 612/297-8600. If you are calling long distance, you may reach the MPCA by calling 1-800/657-3864.

Sincerely,

Laurie Kania  
Project Manager  
VPIC

Bassou Oulgout  
Hydrogeologist  
VPIC

LMK:BO:tf

cc: Terrance Muller, Agassiz Environmental Systems, Chisago City



# Minnesota Pollution Control Agency

January 12, 1998

Mr. Bob Mathews  
12897 Falcon Avenue  
Glencoe, Minnesota 55336

Mr. Joel Best  
RR2, Box 114  
Hector, Minnesota 55342

Mr. Dennis Nelson  
1221 Greeley Avenue  
Glencoe, Minnesota 55336

RE: Petroleum Contaminated Soil Monitoring at Land Application Site  
Leak Site: Former Joel Best DX Station, 100 Main Street, Hector  
Site ID#: LEAK00003899  
Preapproval ID#: PRE0342

Dear Mr. Mathews, Mr. Nelson and Mr. Best:

On August 9, 1996, the Minnesota Pollution Control Agency (MPCA) staff issued a letter of approval for land application of approximately 150 cubic yards of petroleum contaminated soil from the site referenced above. The approval letter specified that additional follow-up soil analysis as outlined in MPCA fact sheet #3.8 *Land Treatment of Petroleum Contaminated Soil: Land Treatment Sites (May 1996)* is required at the land application site.

MPCA records indicate that no monitoring results for the land application sites have been received. Please submit monitoring results for any soil samples collected at the land application sites to date. If no soil monitoring has been done, please submit a written explanation why the required work has not been done and indicate your intentions for further soil monitoring at your land application site. You are reminded that failure to fulfill MPCA monitoring requirements may result in reduction reimbursement from the Petro Board.

If you would like a copy of the MPCA fact sheet #3.12 *Soil Monitoring Results for Land Treated Petroleum Contaminated Soil (April 1996)* or have any questions, please contact me at 612/297-8600. If you are calling long distance, you may reach the MPCA by calling 1-800/657-3864. Thank you.

Sincerely,

Laurie Kania  
Project Manager  
Voluntary Petroleum Investigation and Cleanup  
Tanks and Emergency Response Section

LMK:tf



# Minnesota Pollution Control Agency

---

September 12, 1997

Mr. Joel Best  
Route 1, Box 181C  
Hector, Minnesota 55342

RE: Corrective Action Design Approval  
Site: Former Joel Best DX Station, 100 Main Street, Hector  
Site ID#: LEAK00003899

Dear Mr. Best:

The Minnesota Pollution Control Agency (MPCA) staff has reviewed your "Remedial Investigation/Corrective Action Design" report dated June 10, 1997, outlining a plan of response to the petroleum tank release at the above-referenced site. The MPCA staff hereby approves your corrective action design which consists of conducting groundwater and vapor monitoring on a quarterly basis with no modifications.

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.

Approval of this corrective action design is based on its environmental merits for addressing the petroleum contamination only. This letter does not apply to other types of contamination if present on the subject property. You are responsible for insuring that this remedial system complies with all applicable building, electrical and fire codes and health department rules, and that all necessary state and local approvals are obtained.

This approval qualifies you under Minn. Stat. § 115C.09, subd. 2(a)(3) (1994) to be eligible for Petrofund reimbursement of eligible cleanup costs. Applications for reimbursement must be made directly to the Petrofund. Decisions regarding Petrofund reimbursement are made by the Petro Board. Reimbursement decisions are based on factors such as the adequacy of cleanup, reasonableness of cost, compliance with notification laws, and cooperation with the MPCA.

If you have questions regarding the investigation of ground water at this site, please contact Bassou Oulgot at 612/297-8597. If you have any other questions, please call me at 612/297-8600.

Sincerely,

Laurie Kania  
Project Manager  
Voluntary Petroleum Investigation and Cleanup  
Tanks and Emergency Response Section

LMK:tf

cc: John Landwehr, Agassiz Environmental Systems, Coon Rapids  
Minnesota Department of Commerce, Petrofund Staff

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# Minnesota Pollution Control Agency

RECEIVED

August 9, 1996

AUG 20 1996

MPCA, HAZARDOUS  
WASTE DIVISION

Mr. Joel Best  
RR 2, Box 114  
Hector, Minnesota 55342

Mr. Dennis Nelson  
1221 Greeley Avenue  
Glencoe, Minnesota 55336

RE: Land Treatment of Petroleum Contaminated Soil/Soil Corrective Action Plan  
Approval

Land Treatment Site: **Dennis Nelson property**, consisting of approximately **6.0 acres in the SW 1/4 of the NW 1/4 of Section 6, T115N, R27W, Helen Township, McLeod County.**

**Preapproval ID: PRE0342**

**Leak site: Joel Best Property, Hector**  
**Site ID#: LEAK00003899**

Dear Mr. Best and Mr. Nelson:

The application dated **August 8, 1996**, to land treat approximately **150 cubic yards** of petroleum contaminated soil (**using 0.27 acres**) from the above-referenced leak site at the above-referenced land treatment site is hereby approved by the Minnesota Pollution Control Agency (MPCA). This approval is based upon the MPCA staff's understanding that the appropriate county and local township officials have been notified of the proposed land treatment of this soil and is subject to the conditions indicated below. The portions of Minn. Rules ch. 7037 referenced in this letter are summarized in the MPCA fact sheet #3.8 "Land Treatment of Petroleum Contaminated Soil: Land Treatment Sites" (April 1996). Minn. Rules ch. 7037 indicates that the land treatment site owner and operator to be responsible for the requirements listed below. However, the generator of the soil is not relieved from responsibility under Minn. Stat. § 115C.061 to ensure the proper treatment of petroleum contaminated soil.

1. If soil is to be stored prior to spreading then the conditions and limitations indicated in Minn. Rules pt. 7037.0810 must be followed for soil storage.

Mr. Joel Best and Mr. Dennis Nelson

August 9, 1996

Page Two

2. Soil must be spread to a thickness of no more than **four (4) inches** and incorporated into the top four (4) to six (6) inches of native soil in accordance with Minn. Rules pt. 7037.2300. All other land treatment procedures and limitations described in Minn. Rules pts. 7037.1700 to 7037.2500 must be followed.

3. The MPCA form "Notification of Spreading Petroleum Contaminated Soil at a Land Treatment Site (FORM C)" must be submitted to the MPCA within ten (10) days following spreading (Minn. Rules pt. 7037.2600).

4. The land treated soil must be sampled and reports must be submitted in accordance with Minn. Rules pt. 7037.2700 until analyses indicate ten (10) parts per million total petroleum hydrocarbons or lower. The MPCA form entitled "Soil Monitoring Results for Land Treated Petroleum Contaminated Soil (FORM D)" must be used in reporting.

5. The MPCA's approval of this application does not release you from any duty to comply with the county or local ordinances.

6. **The spreading of petroleum contaminated soil at this land treatment site may not occur prior to April 1, or after November 1.**

We believe these actions will provide treatment of the excavated petroleum contaminated soil. The MPCA reserves the right to require additional work if this is determined necessary to protect public health and the environment. This letter does not release any person from liability for this contamination. In addition, this letter does not address the adequacy of cleanup or investigative work completed or yet to be completed at the leak site.

This approval provides eligibility under Minn. Stat. § 115C.09, subd. 2(a)(1) (1992) for Petrofund reimbursement of eligible cleanup costs associated with this leak site that have been incurred up to the date of this letter. Applications for reimbursement must be made directly to the Petro Board by responsible persons and eligible volunteers. The Petro Board makes the final decision on reimbursement. Reimbursement decisions are based on factors such as the adequacy of cleanup, reasonableness of cost, compliance with notification laws and cooperativeness with the MPCA. Please be aware that additional costs incurred by spreading soil at depths less than those indicated in MPCA's approval letters have generally not been reimbursed by the Petro Board.

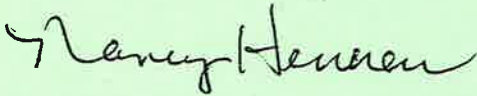


Mr. Joel Best and Mr. Dennis Nelson  
August 9, 1996  
Page Three

Please note that this approval applies only to the process of land treatment of the petroleum contaminated soil. This approval should not be construed to constitute a finding that the volume of contaminated soil excavated at the above-referenced leak site was appropriate.

Please contact me at 507/537-6493, if you have any questions.

Sincerely,



Nancy Hennen  
Pollution Control Specialist  
Tanks and Emergency Response Section  
Hazardous Waste Division  
MPCA, Marshall Regional Office, Marshall

cc: Roger Berggren, McLeod County  
Edmund Ehrke, Helen Township  
Bob Mathews  
John Landwehr, Agassiz Environmental  
Petrofund, Department of Commerce  
Soil treatment log  
File (2)



# Minnesota Pollution Control Agency

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August 17, 1994

Mr. Joel Best  
P.O. Box 604  
Hector, Minnesota 55342

RE: Removal of Petroleum Storage Tanks  
Site: 100 Main Street, Hector, Renville County  
Site ID#: LEAK00003899

Dear Mr. Best:

Thank you for your letter dated April 27, 1994, updating the Minnesota Pollution Control Agency (MPCA) on the information you have regarding the above-referenced site. According to the MPCA records and your letter, it appears there are five underground storage tanks which are currently out of use and not yet been removed. Please be aware that these tanks are subject to Federal and State regulations governing underground storage tank systems.

Tanks that have been abandoned for one year or longer must meet all upgrade requirements and be placed in service, or be permanently closed. You can permanently close your tanks by either removing them from the ground or by having them filled in place using either concrete slurry or a urethane foam product which has been approved by the Minnesota State Fire Marshal's office. At the time of permanent closure, a soil sample must be taken from beneath the tanks and all dispensers that are removed. All work performed on the tank system during closure must be performed by a certified contractor.

In this regard, please submit to my attention your plans to either remove or properly abandon the above mentioned tanks. Please send this information within 30 days of the date of this letter. For purposes of managing this site, I request copies of analytical data from the tank system removal/closure.

In your most recent letter, you mentioned a course that educates tank owners on the process of removing tanks. Please contact David Lein at the MPCA 612/297-8663 for more information regarding this course. It is my understanding that this course educates tank owners about tank removals, however, does not certify tank owners to remove their own tanks. Perhaps David Lein can address your question more specifically.

Enclosed is some information regarding the Petroleum Tank Release Cleanup Account (Petrofund) which is available for costs (up to 90%) associated with any investigation and clean up activities related to a petroleum release from storage tanks. Please note that costs related to the removal of the tanks are not covered by Petrofund. The account is administered by the Petroleum Tank Release Compensation Board (Petro Board) which is part of the Department of Commerce. All questions about eligibility and reimbursement should be directed to the Petro Board at 612/297-1119 or 612/297-4203.

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Mr. Joel Best  
Page 2  
August 17, 1994

If you have any questions concerning this letter or need additional information, please call me at 612/297-8578.

Sincerely,

*Sandra Miller-Moren*

Sandra L. Miller-Moren  
Pollution Control Specialist  
Cleanup Unit I  
Tanks and Spills Section

SLM:lt

Enclosure

cc: Mary Mueller, City Clerk, Apple Valley  
Marv Calvin, Fire Chief, Apple Valley  
Doug Knutson, Renville County Solid Waste Officer, Olivia



# Minnesota Pollution Control Agency

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

March 3, 1994

Mr. Joel Best  
30 Parkview Lane  
Hector, Minnesota 55342

RE: Petroleum Storage Tank Release Investigation and Corrective Action  
Site: 100 Main Street, Hector  
Site ID#: LEAK00003899

Dear Mr. Best:

On September 25, 1987, the Minnesota Pollution Control Agency (MPCA) staff was notified that a release of petroleum occurred from storage tank facilities that you own and/or operate at the site referenced above.

A recent review of our files shows that we have not received either an Excavation Report or a Remedial Investigation/Corrective Action Design (RI/CAD) report. MPCA staff requests that you take the steps necessary to investigate and clean up the petroleum release and submit either an Excavation Report or RI/CAD report within 90 days of receipt of this letter. Failure to meet this deadline may result in reduced reimbursement from the Petrofund and/or enforcement action taken against you by the MPCA.

Please refer to MPCA fact sheets for information regarding the scope of investigations required at petroleum release sites. MPCA staff requires that the site investigation fully define the extent and magnitude of soil and ground water contamination caused by the release. We reserve the right to reject proposed corrective actions if the requirements of the site investigation have not been fulfilled.

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 corrective actions. The MPCA requires that the site investigation fully define the extent and magnitude of the soil and ground

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water contamination caused by the release. In addition, you must notify the MPCA within 24 hours if discover free-floating petroleum product on the surface of the ground water.

If you have any questions concerning this letter or need additional information, please call me at 612/297-8578. Please reference the above LEAK ID# in all correspondence.

Sincerely,

*Sandra Miller-Moren*

Sandra Miller-Moren  
Project Manager  
Cleanup Unit I  
Tanks and Spills Section

SMM:bah

cc: Mary Mueller, City of Apple Valley  
Marv Calvin, Fire Chief, Apple Valley  
Ray Erickson, Dakota County

DEPARTMENT : POLLUTION CONTROL AGENCY

STATE OF MINNESOTA

SF-00006-05 (4/86)

# Office Memorandum

DATE : 4-9-91

TO : LEAK00000068 File-Union Co-op, Hector

FROM : Patrick Hanson  
Tanks and Spills Section  
Hazardous Waste Division

PH

PHONE : 643-3428

SUBJECT : COST RECOVERY

In 1981, Union Co-op reported a gasoline release from a underground storage tank or their property. Strong petroleum odors were reported in a residence near the site and free product was observed on the sanitary sewer flowage. Union Co-op installed a recovery system. This site was assigned LEAK00000068. In 1987 petroleum vapors were reported in several buildings and in the sanitary sewer. Union Co-op was suspected to be the responsible party by the Minnesota Pollution Control Agency (MPCA) staff. Union Co-op was unwilling to take over the petroleum vapor problem concerning the sanitary sewer. At this point the MPCA authorized Twin City Testing to vent the sewer and to conduct a subsurface investigation to determine likely protential parties.

The MPCA used federal funds (Lust Trust) to pay Twin Cities Testings, in the amount of \$16,279.76, for both the emergency and subsurface investigative work.

In a June 1988, Twin City Testing issued a report to the MPCA which concluded that a clear, identifiable responsible party concerning the vapor problem could not be determined. The city has not notified us of any additional vapor problems since 1987. MPCA staff beleive the vapor problem was caused by gasoline spill from an unknown responsible party. For this reason I'm recommending that we close out the Fund Finance portion of this file and not seek cost recovery. LEAK00000068 file will stay open until Union Co-op completes their investigation/clean-up. Two other LUST sites were identified by Twin City Testing during their investigation, Best property (old gasoline station) and Bargman Oil Company. Each of these sites have been assigned LEAK numbers and will be managed as individual projects.

Route to:  
(1) File  
(2) \_\_\_\_\_  
(3) \_\_\_\_\_  
(4) \_\_\_\_\_

OFFICE MEMORANDUM

File: Union Coop, Hector  
0000068  
3897

Location: Hector, MINN  
(City, Village, Township, Section, Range, County, etc.)

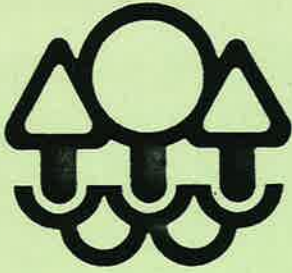
Subject: Response to 12-8-87 letter

By Whom: J. Moyses Date: 12-14-87 1615

Investigation \_\_\_\_\_ Conference \_\_\_\_\_ Office  Field \_\_\_\_\_ Hearing \_\_\_\_\_ Meeting \_\_\_\_\_ Phone

- Items to be Covered: (1) Those present and/or those interviewed
- (2) Situation
- (3) Further action, follow-up, recommendations

- 1) Joel BEST, Hector, MN.
- 2) Called to inform me that he is financially unable to pay for investigation and clean up, but that he will cooperate with me and TCT during the investigation. He stated that, to his knowledge, none of his tanks leaked, although he did ask what the State would do if one of his tanks did in fact, leak and was identified as the source.
- 3) Continue w/ preliminary investigation (TCT)



## Minnesota Pollution Control Agency

FILE _____
_____
_____

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

December 2, 1987

Mr. Steve Hackbarth  
Tires Plus, Incorporated  
113 East 6th Street  
Chaska, Minnesota 55318

Dear Mr. Hackbarth:

Re: Tires Plus, Incorporated, Hector, Minnesota

The Minnesota Pollution Control Agency (MPCA) is currently investigating the release of petroleum product in Hector, Minnesota. We understand that Mr. Joel Best leased a parcel of land located at 100 Main Street, Hector, Minnesota to Tires Plus, Incorporated from 1982 until 1986. We have reason to believe that Tires Plus, Incorporated removed and replaced one or more underground petroleum storage tanks during this period. We want to know the fate of the tank(s).

Enclosed is a questionnaire that asks for information related to the tanks, the release of petroleum product in Hector, and locational information. Please answer all the questions as thoroughly as possible regardless of whether the tanks were removed and are no longer at the above location. Please return the questionnaire and your response to me within five (5) working days of the date of this letter.

For your information, the Petroleum Tank Release Cleanup Act, Minn. Stat. Ch. 116C. (Supp. 1987) (copy enclosed) requires that a person owning or operating a tank at anytime during or after a release furnish to the MPCA any information that a person may have or may reasonably obtain that is relevant to the release. Your cooperation in providing this information will be to your advantage.



Mr. Hackbarth  
Page Two

Should you have any questions or want further information, please call me at  
612/296-7974.

Sincerely,

A handwritten signature in black ink, reading "John R. Moeger". The signature is written in a cursive style with a large, sweeping initial "J".

John R. Moeger  
Project Leader  
Tanks and Spills Section  
Hazardous Waste Division

JRM/pfp

Enclosures

cc: City of Hector, City Clerk  
Joel Best, Hector, Minnesota  
MPCA, Marshall Regional Office  
Barbara Freese, State Assistant Attorney General

FILE _____
_____
_____



## Minnesota Pollution Control Agency

December 8, 1987

Mr. Joel Best  
30 Parkview Lane  
Hector, Minnesota 55342

Dear Mr. Best:

The Commissioner of the Minnesota Pollution Control Agency (MPCA) has reason to believe you may be responsible for a release of petroleum from a storage tank in Hector, Minnesota. The MPCA is prepared to begin investigating the area to determine the exact source of this release.

You informed me in our telephone conversation of November 16, 1987 that the tanks on your property were installed by your lessee Tires Plus, Inc., and that they operated and still own the tanks. We are sending a letter similar to this one to Tires Plus, Inc. However, we are also sending this letter to you because it is possible that ownership of the tanks, as fixtures to your land, may have reverted to you. You may wish to consult with an attorney regarding the exact status of the tanks, because if you do own them, you too will be considered a responsible party under the Act.

Under Minnesota's new Petroleum Tank Release Cleanup Act, you are a "responsible person" with regard to this release if you are or were an owner or operator of a tank at any time during or after a release.<sup>1</sup> Responsible persons under this Act are required to clean up the release, and they are liable for any costs incurred by the MPCA in investigating or cleaning up the release. Responsible persons may also be eligible under the statute for partial reimbursement of their own investigation and cleanup costs; however, that reimbursement depends in part on their cooperation with the MPCA.

If you are a responsible person with regard to this release, or believe you may be, this is your opportunity to commit to investigating the release either on your own or in concert with others presumed to be responsible persons. The MPCA is prepared to assist you in your investigation, overview your efforts, and review the results.

1. Minn. Stat. § 115C (1987 Supp.)

Phone: \_\_\_\_\_

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Mr. Joel Best  
Page Two

If you or other potential responsible parties do not commit to investigating the release by December 16, 1987, we will assign our contractors to do the investigation. As stated above, if you are found to be responsible for the release, we could seek reimbursement of our costs from you. Even if you are not responsible for the release, please cooperate with any investigation the state's contractors conduct. All persons have a duty under the Act to provide, when requested, whatever information they have or could reasonably obtain that is relevant to the release.

If you are unwilling or financially unable to conduct the necessary investigation and cleanup, please inform me by December 16, 1987. The MPCA does not intend to pursue cost reimbursement from responsible persons who are truly unable to pay for this work.

I am the Project Leader for this site. You may contact me at 612/296-7974. All correspondence regarding this site should be addressed to me at the Tanks and Spills Section, Minnesota Pollution Control Agency, 520 Lafayette Road, St. Paul, Minnesota 55155.

Sincerely,



John R. Moeger  
Project Leader  
Tanks and Spills Section  
Hazardous Waste Division

JRM/pfp

cc: Renville County Public Health Department  
City of Hector, City Clerk  
MPCA, Marshall Regional Office  
Barbara Freese, Special Assistant Attorney General

MINNESOTA POLLUTION CONTROL AGENCY

Route to:  
 (1) File  
 (2) \_\_\_\_\_  
 (3) \_\_\_\_\_  
 (4) \_\_\_\_\_

OFFICE MEMORANDUM

File: Hector

Location: Hector, MN.  
 (City, Village, Township, Section, Range, County, etc.)

Subject: Joel Best Response, PART I

By Whom: J. Mough Date: 11/16/87

Investigation \_\_\_\_\_ Office    
 Conference \_\_\_\_\_ Field \_\_\_\_\_ Hearing \_\_\_\_\_ Meeting \_\_\_\_\_ Phone

- Items to be Covered: (1) Those present and/or those interviewed  
 (2) Situation  
 (3) Further action, follow-up, recommendations

1) Joel Best, owner of property leased to TIRES Plus 612-848-2365 (Best phone #)

2) Called Mr. Best to clarify Part I submittal. He leased the property to TIRES Plus ~ 1982. TIRES Plus WANTED expanded Gasoline services so they replaced existing 1000, and 2000 tanks with two 6000 gal. TANKS. TANKS removed were <sup>allegedly</sup> intact, little to no corrosion - Mr. Best did not know who replaced the tanks but gave me a Mr. Steve Hack Barth, TIRES Plus, Chaska who would know. TIRES Plus (Hector) went out of business / walked out in March, 1986. TANKS have been empty since then and station is closed. Mr. Best offered information on Union Coop and Bargman's. Says Gasoline odors come and go when the trucks fill up at the coop; Rumor in Hector that Bargman replaced tanks because of leakers.

3) It appears TIRES Plus are owners of the tanks. Proceed w/ contract inform PRP's Incl. Tires Plus

RECEIVED

OCT 28 1987

MPCA, SOLID & HAZ.  
WASTE DIVISION

PART I

- A. 101 S. Main St., Hector, MN 55342
- B. 1. Joel J. Best, Box 604, Hector, MN 55342  
Leased to Tires Plus, Feb., 1983 to March, 1986.
2. Ray Ahl
3. Joel Best, 1981 to present  
Ray Ahl, unknown to 1981
4. Service station and repairs.
5. Unknown.
- C.  
@
- D. 1. Ash Ave. West and Main St.  
City offices have maps of water, sewer and streets.
- F. 1. New tanks 1983 } *How Many?*  
2. 6,000 gal.  
3. Steel tanks with rust-preservative coating  
4. Empty since March — ? *why*  
5. Gas  
6. See map  
7. No loss of any product  
8. Yes, coated tank  
9. Unknown, along side of tanks  
10. Clay base and sand backfill
- G. No spills or leaks that I know about.
- H. None.
- I. 1. yes *CORROSION*  
2. no  
3. no  
4. yes  
5. owner, yes  
6. none  
7. soil condition was dry

J. None

K. None

L. None



# Minnesota Pollution Control Agency

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

September 25, 1987

Mr. Joel Best  
30 Park View Lane  
Hector, Minnesota 55342

Dear Mr. Best:

Re: Petroleum Storage Tank Release Investigation and Corrective Action  
Site: Hector, Minnesota  
Site ID #: LEAK00000068  
3899

As you may know the Minnesota Pollution Control Agency (MPCA) is investigating a release of petroleum and subsequent contamination of soil and ground water in the City of Hector. The first report of the release was made to MPCA staff on February 27, 1981. The MPCA would like your assistance in identifying the responsible person regarding this release.

Federal and State laws require that persons responsible for storage tank releases notify the MPCA of the release, investigate the extent of the threat to public health, welfare or the environment caused by the release and take actions needed to ensure that the release is cleaned up and the public health, welfare or the environment protected.

In addition, the Petroleum Tank Release Cleanup Act requires that a person owning or operating a tank at any time during or after a release furnish to the MPCA Commissioner any information that person may have or may reasonably obtain that is relevant to the release.

Enclosed please find the "Contents of Petroleum Tank Release Investigation Report". At this time the MPCA is requesting that you complete Part 1 of the document and address the questions on pages 3 - 5.

You should answer these questions in regard to your property at 101 Main Street, Hector, and send the information within 15 working days of your receipt of this letter.

Mr. Joel Best  
Page Two

The MPCA may require additional investigation, corrections or information regarding the site, if the information generated by the Remedial Investigation or new information from another source indicates that additional work is needed.

The MPCA project leader for your site is David Dally. You can reach this project leader by telephone at 612/296-8572. Correspondence should be addressed to:

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

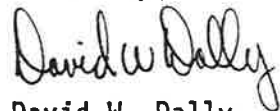
Please feel free to contact the project leader at any time you need information or assistance in these matters. A similar letter regarding this situation is being sent to the following parties:

Paul Bargman  
Scott Rohlick

If there are other parties who may be responsible for the release, please provide their names and current addresses and relevant information to the project leader.

Thank you.

Sincerely,



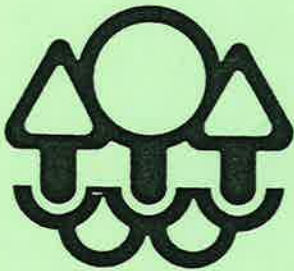
David W. Dally  
Project Leader  
Tanks and Spills Section  
Hazardous Waste Division

DWD:jcj

Enclosures

cc: Doris Riechter, City Clerk  
Hector Fire Department





# Minnesota Pollution Control Agency

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

SEP 25 1987

Mr. Joel Best  
30 Park View Lane  
Hector, Minnesota 55342

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Site: Hector, Minnesota  
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Mr. Joel Best  
Page Two

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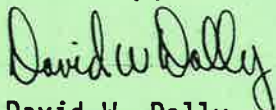
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Thank you.

Sincerely,



David W. Dally  
Project Leader  
Tanks and Spills Section  
Hazardous Waste Division

DWD:jcj

Enclosures

cc: Doris Riechter, City Clerk  
Hector Fire Department

Spill #23256

Hector - Gasoline vapors in hardware store

March 29, 1996

John E. Aho

April 10, 1996

Bay West was contracted to investigate and remedy, if necessary, these gasoline vapors in Hector. Also, Craig Schafer, the spills responder from our Marshall office, went to Hector to assess the situation. Their reports are in the spills file (see DK).

This is a recurrence of an old problem dating to at least the early '80s. There are 14 leak sites identified in Hector. Three of these sites are candidates for being the source of these vapors. The sites are:

Joel Best Property	Leak ID 3899
Union Coop Oil	Leak ID 0068
Phillips 66	Leak ID 3900

The Phillips station is adjacent to the store which had vapors, the Joel Best site is across the street from the Phillips station and hardware store, and the Coop is half a block south. Leak site 3900 is closed. Leak site 3899 is open because the tanks were never removed or abandoned properly. Leak site 68 is open and an RI has recently been reviewed.

The vapors apparently entered the building via the sanitary sewer through two basement floor drains. It is highly probable that ground water contamination at the Coop periodically intercepts and infiltrates the sewer line. It is not known if there is soil and ground water contamination at the other two sites. Their proximity to the sewer line and to the impacted building dictates further investigation at both sites. Removal of the tanks or other abandonment procedures at the Best property will result in soil samples being taken. These samples should be carefully taken to ensure an accurate assessment of the site as a potential source or contributor to the vapor problem. The Phillips 66 site should be reopened and an investigation of soil and ground water conducted.

Dick Kable is will complete the contractual arrangements for the Bay West work. Since the vapors dissipated there is no remaining emergency action needed. Emergency Response is available if vapors return. For now, we will suspend activity and rely on LUST staff to investigate the problem.



Bay West Inc.  
Five Empire Drive  
St. Paul, Minnesota  
55103-1867

612-291-0456  
FAX 291-0099  
1-800-278-0456

TELECOMMUNICATION TRANSMITTAL

DATE 05/30/96 3:16 PM *6-5-96*

TO Addressee: Mr. Jonh Aho

Company: MPCA

Fax No.: 297-8676 Phone: 297-8660

FROM Originator: Edward J. Bacig

From Phone: 291-3414

*This message is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the above address via the U.S. Postal Service. Thank you.*

# Pages (incl. transmittal sheet):

2

Title of Document:

Analytical Results for April Sampling of Monitoring Wells in Hector Minnesota.

Comments:

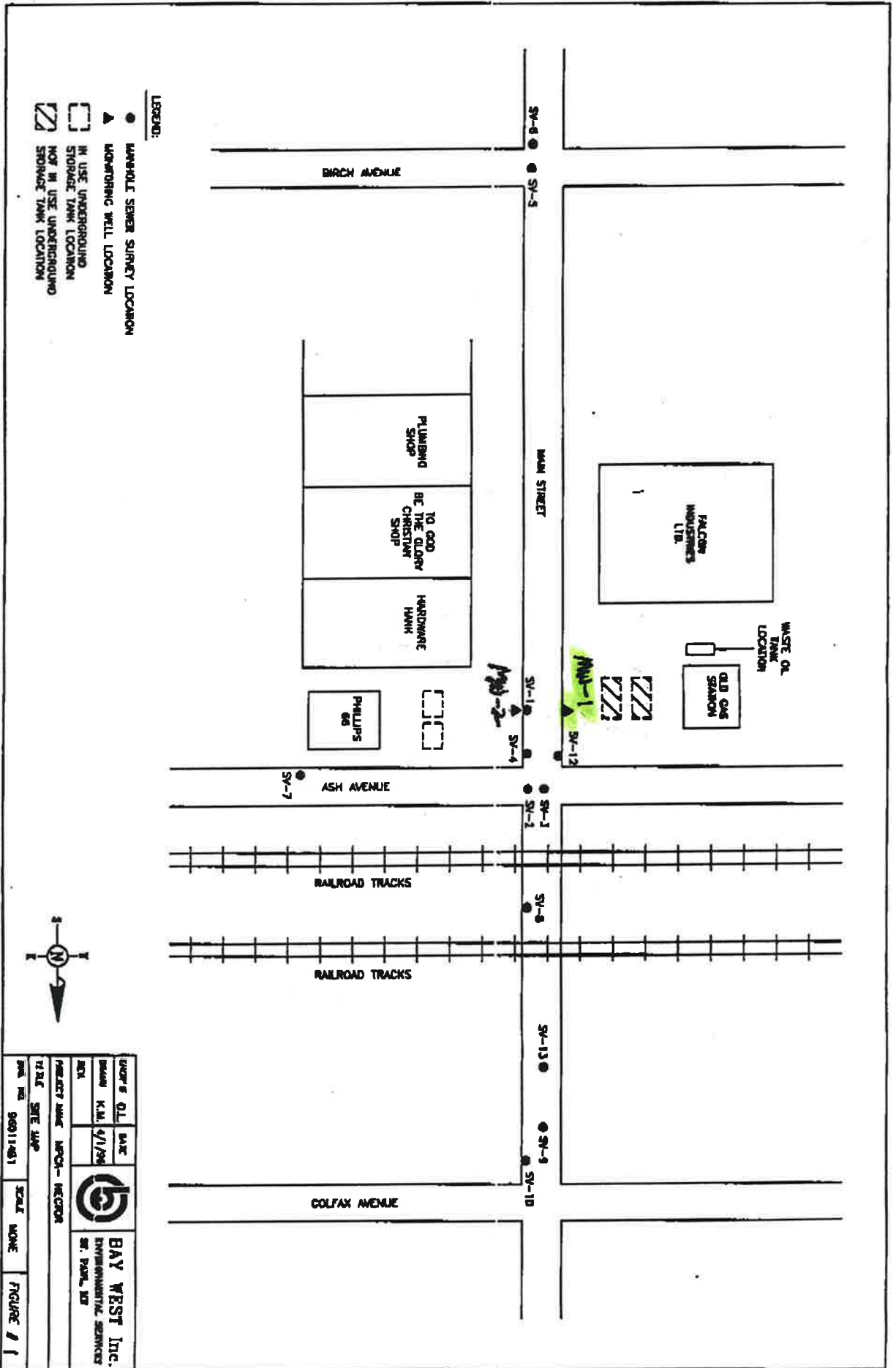
Dear Mr. Aho,

Attached are the analytical results from samples collected in April from two monitoring well located adjacent to Snipe Hardware (Figure 1) in Hector Minnesota. Monitoring wells MW-1 contains elevated concentrations of GRO (4700 ppb), DRO 130 ppb, Benzene 1.9 ppb, sec-butylbenzene 1.1 ppb, MTBE 51ppb, and tetrahydrofuran 2.2 ppb. MW-2 contain elevated concentrations of DRO 2300 ppb, acetone 67ppb, benzene 1400 ppb, n-butylbenzene 21 ppb, sec-butylbenzene 100 ppb, tert-butylbenzene 16 ppb, 1,2 dichloroethane, ethylbenzene 250 ppb, ethyl ether 5.6 ppb, MTBE 210 ppb, Toluene 64 ppb, and xylenes 436 ppb. MW-2 also contains several other VOC compounds with elevated concentrations. Please call me at 291-3414 if you have any questions or comments. Bay West appreciates the opportunity to work with MPCA personnel on this project.

Please call the Originator at 612-291-0456 or 1-800-278-0456 if you have any problems receiving this transmission. Thank you.

ORIGINALS FORWARDED VIA:

- First Class Mail
- Federal Express/UPS overnight or 2-day service
- Originals not forwarded



File 960114

**American  
Science**

CORPORATION

11 EMPIRE DRIVE, SAINT PAUL, MN 55103

TEL: 612-291-9472

FAX: 612-291-9475

May 7, 1996

Bay West, Inc.  
5 Empire Drive  
St. Paul, MN 55103

Attn: Mr. Ed Bacig

Client Project ID.:	960114	PO # 12:90	(COC: GW-3358)
American Science Project No.:	91-6798		
Samples Collected:	April 19, 1996		

The following are results from the samples you submitted for analysis on April 19, 1996.

Please contact me if you have any questions or comments.

Sincerely,



Steven Petersen  
Project Manager

SP/ly

encl.

The Original Goldenrod Invoice is attached to the front of your report.  
Please forward to accounts payable.

**American Science Project No.: 91-6798**  
**Client Project ID: 960114**  
**Chain of Custody Reference: GW-3358**  
**Report Date: 5/7/96**

## GF:O IN WATER

Sample ID:	960114- MW-1	960114- MW-2	Trip Blank
Lab sample No:	64895	64898	64898
Sample Collected:	4/19/96	4/19/96	NA
Sample Analyzed:	4/26/96	4/26/96	4/26/96

Analytes	QL		QL		QL	
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
TPH-Gasoline Range Organics (GRO)	1000	4700	100	ND	100	ND
pH		2		2		2
Other (See Key)		7.9		7		7

Method: Wisconsin DNR GRO Modified  
 All samples received on ice unless otherwise noted.

## Key

1. Sample odor detected.
2. Unidentified but detected compounds.
3. Analysis holding times exceeded.
4. Sample received by Laboratory beyond 4 days of collection.
5. Samples not received on ice, temperature reported.
6. QC sample(s) out of control.
7. Sample not preserved by Laboratory, pH reported.
8. Sample vials preserved by Laboratory, pH not reported.
9. Sample run at dilution.

ND = Not Detected, concentration less than Quantitation Limit.

QL = Quantitation Limit

NA = Not Applicable

**American Science Project No.: 91-6798**  
**Client Project ID: 960114**  
**Chain of Custody Reference: GW-3358**  
**Report Date: 5/7/96**

**DRO IN WATER**

Sample ID:	960114- MW-1	960114- MW-2
Lab sample No:	64895	64896
Sample Collected:	4/19/96	4/19/96
Sample Extracted:	4/26/96	4/26/96
Sample Analyzed:	5/1/96	5/1/96

Parameter	QL		QL	
	µg/L	µg/L	µg/L	µg/L
TPH-Diesel Range Organics (DRO)	100	130	100	2300
pH		1.6		1.6
Other (See Key)		8		8

Method: Wisconsin DNR DRO Modified

All samples received on ice unless otherwise noted.

**Key:**

1. Sample odor detected.
2. Unidentified but detected compounds.
3. Analysis holding times exceeded.
4. Sample received by Laboratory beyond 4 days of collection.
5. Samples not received on ice, temperature reported.
6. QC sample(s) out of control.
7. Samples not extracted within 7 days of collection.
8. Containers not supplied with preservative, pH reported.
9. Containers supplied with preservative, pH not reported.
10. Sample run at a dilution.

ND = Not Detected, concentration less than Quantitation Limit.

QL = Quantitation Limit



**American Science Project No.: 91-6798**  
**Client Project ID: 960114**  
**Chain of Custody Reference: GW-3358**  
**Report Date: 5/7/96**

**Purgeable Halogenated and Non-Halogenated Compounds  
(MDH 465D Compound List)**

Sample ID:	960114- MW-1	960114- MW-2	Field Blank	Trip Blank
Lab sample No:	64895	64896	64897	64898
Sample Collected:	4/19/96	4/19/96	4/19/96	NA
Sample Analyzed:	5/3/96	5/3/96	5/2/96	5/2/96

Analytes	QL		QL		QL		
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Acetone	5.0	ND	5.0	67	5.0	ND	ND
Allyl Chloride	1.0	ND	1.0	ND	1.0	ND	ND
Benzene	1.0	1.9	86	1400	1.0	ND	ND
Bromobenzene	1.0	ND	1.0	ND	1.0	ND	ND
Bromochloromethane	1.0	ND	1.0	ND	1.0	ND	ND
Bromodichloromethane	1.0	ND	1.0	ND	1.0	ND	ND
Bromoform	1.0	ND	1.0	ND	1.0	ND	ND
Bromomethane	1.0	ND	1.0	ND	1.0	ND	ND
Butylbenzene, n-	1.0	ND	1.0	21	1.0	ND	ND
Butylbenzene, sec-	1.0	1.1	86	100	1.0	ND	ND
Butylbenzene, tert-	1.0	ND	1.0	16	1.0	ND	ND
Carbon Tetrachloride	1.0	ND	1.0	ND	1.0	ND	ND
Chlorobenzene	1.0	ND	1.0	ND	1.0	ND	ND
Chloroethane	1.0	ND	1.0	ND	1.0	ND	ND
Chloroform	1.0	ND	1.0	ND	1.0	ND	ND
Chloromethane	1.0	ND	1.0	ND	1.0	ND	ND
Chlorotoluene, 2-	1.0	ND	1.0	ND	1.0	ND	ND
Chlorotoluene, 4-	1.0	ND	1.0	ND	1.0	ND	ND
Dibromochloromethane	1.0	ND	1.0	ND	1.0	ND	ND
Dibromo-3-chloropropane	1.0	ND	1.0	ND	1.0	ND	ND
Dibromoethane, 1,2-	1.0	ND	1.0	ND	1.0	ND	ND
Dibromomethane	1.0	ND	1.0	ND	1.0	ND	ND
Dichlorobenzene, 1,2-	1.0	ND	1.0	ND	1.0	ND	ND
Dichlorobenzene, 1,3-	1.0	ND	1.0	ND	1.0	ND	ND
Dichlorobenzene, 1,4-	1.0	ND	1.0	ND	1.0	ND	ND
Dichlorodifluoromethane	1.0	ND	1.0	ND	1.0	ND	ND
Dichloroethane, 1,1-	1.0	ND	1.0	ND	1.0	ND	ND
Dichloroethane, 1,2-	1.0	ND	1.0	6.0	1.0	ND	ND
Dichloroethene, 1,1-	1.0	ND	1.0	ND	1.0	ND	ND
Dichloroethene, c-1,2-	1.0	ND	1.0	ND	1.0	ND	ND
Dichloroethene, t-1,2-	1.0	ND	1.0	ND	1.0	ND	ND
Dichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	ND
Dichloropropane, 1,2-	1.0	ND	1.0	ND	1.0	ND	ND
Dichloropropane, 1,3-	1.0	ND	1.0	ND	1.0	ND	ND
Dichloropropane, 2,2-	1.0	ND	1.0	ND	1.0	ND	ND

(continued)

**American Science Project No.: 91-6798**  
**Client Project ID: 960114**  
**Chain of Custody Reference: GW-3358**  
**Report Date: 5/7/96**  
**(Continued)**

**Purgeable Halogenated and Non-Halogenated Compounds  
(MDH 465D Compound List)**

Sample ID:	960114- MW-1	960114- MW-2	Field Blank	Trip Blank
Lab sample No:	64895	64898	64897	64898
Sample Collected:	4/19/96	4/19/96	4/19/96	NA
Sample Analyzed:	5/3/96	5/3/96	5/2/96	5/2/96

Analytes	QL		QL		QL		QL	
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Dichloropropene, 1,1-	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Dichloropropene, c-1,3-	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Dichloropropene, t-1,3-	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Ethylbenzene	1.0	ND	86	250	1.0	ND	1.0	ND
Ethyl Ether	1.0	ND	1.0	5.6	1.0	ND	1.0	ND
Hexachlorobutadiene	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Isopropylbenzene	1.0	ND	1.0	13	1.0	ND	1.0	ND
Isopropyltoluene, p-	1.0	ND	1.0	1.4	1.0	ND	1.0	ND
Methyl Ethyl Ketone	1.0	ND	1.0	20	1.0	ND	1.0	ND
Methyl Isobutyl Ketone	1.0	ND	1.0	3.0	1.0	ND	1.0	ND
Methyl t-Butyl Ether	1.0	51	86	210	1.0	ND	1.0	ND
Methylene Chloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Naphthalene	1.0	ND	1.0	59	1.0	ND	1.0	ND
Propylbenzene, n-	1.0	ND	1.0	14	1.0	ND	1.0	ND
Styrene	1.0	ND	1.0	2.6	1.0	ND	1.0	ND
Tetrachloroethane, 1,1,1,2-	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Tetrachloroethane, 1,1,2,2-	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Tetrachloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Tetrahydrofuran	1.0	2.2	1.0	48	1.0	ND	1.0	ND
Toluene	1.0	ND	1.0	64	1.0	ND	1.0	ND
Trichlorobenzene, 1,2,3-	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Trichlorobenzene, 1,2,4-	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Trichloroethane, 1,1,1-	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Trichloroethane, 1,1,2-	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Trichloroethene	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Trichlorofluoromethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Trichloropropane, 1,2,3-	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Trichlorotrifluoroethane	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Trimethylbenzene, 1,2,4-	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Trimethylbenzene, 1,3,5-	1.0	ND	1.0	57	1.0	ND	1.0	ND
Vinyl chloride	1.0	ND	1.0	ND	1.0	ND	1.0	ND
Xylene, m,p-	1.0	ND	86	360	1.0	ND	1.0	ND
Xylene, o-	1.0	ND	1.0	56	1.0	ND	1.0	ND

Method: MDH 465 Modified

ND = Not Detected, concentration less than Quantitation Limit.

QL = Quantitation Limit

NA = Not Applicable





RECEIVED

MAR 26 1997

MPCA, HAZARDOUS  
WASTE DIVISION

March 24, 1997

6045

Ms. Stacy Hendry  
Tanks and Emergency Response Section  
Minnesota Pollution Control Agency  
520 Lafayette Road North  
St. Paul, MN 55155-4194

RE: Joel Best Property  
Hector, Minnesota  
Leak # 3899

Dear Ms. Hendry:

Agassiz is conducting the remedial investigation RI at the above referenced site. Monitoring wells were installed in January 1997, and the first round of groundwater samples were collected. Agassiz expects to complete the RI field work during the second quarter of 1997 and submit the RI report this coming summer.

If you have any comments or questions, please call me at 767-2525.

Respectfully,

  
Terrance Muller, CHMM  
Project Manager

AGASSIZ ENVIRONMENTAL SYSTEMS, INC.

encl.

cc: Mr. Joel Best, Hector, Minnesota

RECEIVED

NOV 16 1994

MPCA, HAZARDOUS  
WASTE DIVISION

Minnesota Pollution Control Agency  
520 Lafayette Road North  
St. Paul, MN 55155-4194

11 November 1994

ATTN: Sandra Miller-Moren

RE: Removal of Petroleum Storage Tanks  
SITE: 100 S. Main Street, Renville County  
SITE ID#: LEAK00003899

Dear Ms. Miller-Moren,

This is a follow-up to my letter of 9/14/94 regarding efforts to have our site inspected.

On 10/7/94, a meeting was scheduled between myself and Rob Haugen of West Central Environmental Consultants in Willmar, Minnesota. Mr. Haugen did show up at this meeting, however, at the last minute his representative from the excavators was unable to make it.

Our meeting was brief, but it was determined that no actual work could be done on the site until spring due to the excavators' work lead to be accomplished before winter.

Again, I will keep you informed on our progress.

Sincerely,



Joel J. Best

**RECEIVED**

SEP 19 1994

MPCA, HAZARDOUS  
WASTE DIVISION

Joel Best  
Rt 1, Box 181C  
Hector, MN 55342

September 14, 1994

Minnesota Pollution Control Agency  
520 Lafayette Road North  
St. Paul, MN 55155-4194


RE: Removal of Petroleum Storage Tanks  
Site: 100 Main Street, Hector, Renville County  
Site ID#: LEAK00003899

Dear Ms. Miller-Moren:

Just a short note to let you know that I have discussed our tank situation with a consultant who will be coming out here to inspect the site.

Since we have just returned from our vacation, I am expecting him to contact me this week. I will keep you informed of the situation.

Sincerely,

  
Joel J. Best

Please note change of mailing address:

Rt 1, Box 181C  
Hector, MN 55342

RECEIVED

27 April, 1994

APR 29 1994

MPCA, HAZARDOUS  
WASTE DIVISION

Minnesota Pollution Control Agency  
520 Lafayette Road North  
St. Paul, MN 55155-4194

RE: Petroleum Storage Tank Release Investigation and  
Corrective Action  
Site: 100 Main Street, Hector  
Site ID#: LEAK00003899

Dear Ms Miller-Moren:

In response to your letter dated March 3, 1994 you indicated that the MPCA was notified (by whom?) in September 1987 that a release of petroleum had occurred at our location. This information is incorrect as there has been no leak or spill at 100 South Main Street, Hector. There are, however, several tanks in the ground which need to be removed.

I regret that action has not been taken yet on removal of these tanks. My job requires that I spend a great deal of time out of state, so I have been unable to give proper attention to this matter. Perhaps the larger problem is that, financially I do not have the resources to fund hiring a consulting firm or excavation expenses.

*list owners workers*  
Some time ago, I spoke to a gentlemen from your Agency who informed me of some alternative procedures. He had said that there was an educational course to teach how I or some other qualified individual could remove the tanks personally.

I would like very much to resolve this tank situation and would appreciate hearing from you soon. I am open to suggestions and will value your assistance in this matter.

If you wish to speak with me directly, my home phone number is (612) 848-2365. My wife can give you the number where I can be reached, or you can leave your number with her and I will contact you.

Sincerely,

*Joel J. Best*

Joel J. Best

P.S. We no longer live at 30 Parkview Lane, but receive our mail at P.O. Box 604. Thank You!

*telephone  
call 5/25/94  
SM*

**MATHEWS FARMS**

12897 Falcon Ave.  
Glencoe, MN. 55336  
612-864-6060  
Fax 320-854-4616

7/29/98

Laurie Kania  
M.P.C.A.  
Tanks and Spills  
520 Lafayette Road  
St. Paul, MN. 55155-4194



Re: MPCA Leak # 3899  
Land Applied Soil Monitoring Results of : Joel Best DX Station

Dear Laurie ;

In accordance with MPCA guidelines , soil monitoring samples were taken on 6/29/98 from the petroleum contaminated soil applied at Dennis Neslon farm, Glencoe MN. No hydrocarbons were detected.

The attached form, Soil monitoring Results for Land-Applied Petroleum Contaminated Soil, is submitted for your review. In accordance with MPCA guidelines, unless directed otherwise , the owner will perform no further soil monitoring.

Please call me anytime if I can provide you with any additional information.

Sincerely,

Bob Mathews



**SOIL MONITORING RESULTS FOR LAND TREATED PETROLEUM CONTAMINATED SOIL (FORM**

Minnesota Pollution Control Agency  
Tanks and Spills Section  
April 1993

This form must be used for reporting the results of follow-up soil sampling of petroleum contaminated soil has been spread at a land treatment site for a specific batch of soil. Refer to Minn. Rule, ch. 7037 for specific information on monitoring and reporting.

**I. BACKGROUND**

A. Generator (and mailing Address):

Name : Joel Best  
Business name : Joel Best DX Station  
Street/Box : R.R. 2 Box 114  
City, Zip : Hector 55342  
Telephone :

B. Site from which contaminated soil was generated :

MPCA Site ID # LEAK0000\_3899  
Business name : Joel Best DX Station  
Street/Box : R.R. 2 Box 114  
City, Zip : Hector 55342  
County : Renville

C. Land Treatment Site Owner (mailing address) :

Name : Dennis Nelson  
Street/Box : 1221 Greeley Ave.  
City, Zip : Glencoe, 55336  
Telephone :

D. Land Treatment Site Operator (and mailing address) :

Name : Bob Mathews  
Street/Box : 12897 Falcon Av.  
City, Zip : Glencoe, 55336-5324  
Telephone : 320-864-6060

E. Person (s) who completed this form :

Name Bob Mathews  
Business name : Mathews Farms  
Street/Box : 12897 Falcon Av.  
City, Zip : Glencoe, 55336-5324  
Telephone : 320-864-6060

F. Legal Description of Land Treatment Site :

S.W. 1/4 of N.W. 1/4 of Section 6 Township 115  
Township Name Helen County Mcleod Range 27 W

**II. LAND TREATMENT INFORMATION**

A. Actual date soil was spread : 08/29/96

B. Dates soil was tilled (since spreading or the most recent monitoring report) :

08/29/96 11/01/96 05/05/97

C. If land treatment plot was cropped indicate type of crop and seeding date :None

Soil Monitoring Results--Form D

Page 2

April 1993

D. Soil monitoring sampling date : 06/29/98

E. List the soil sample analytical results (total petroleum hydrocarbons, TPH) from the land treatment site. If additional petroleum constituents were required to be reported, list results on a separate attached table.

Sample Number	TPH as Gas or Fuel Oil (circle one) ppm	Sample Number	TPH as Gas or Fuel Oil (circle one) ppm
9861-1	BDL	9861-2	BDL

Note : Copies of laboratory results and chain of custody forms must be attached.

III. LOCAL GOVERNMENT NOTIFICATION INFORMATION

A copy of this form must be sent to the appropriate local government officials before or at the same time that it is submitted to the MPCA. Provide the following for the local government officials to whom copies of this form have been sent :

County official : Ed Homan	Township, City, or Tribal official :	Rodney Mathews
Title : Zoning Officer	Title :	Township Chairman
City, Zip : Glencoe, 55336	Street/Box :	110 th. st.
Telephone : 320-864-5551	City, Zip :	Glencoe , 55336
	Telephone :	320-864-

\*\*\*\*\*

Mail completed form and all attachments to :

Laurie Kania  
M.P.C.A.  
Tanks and Spills  
520 Lafayette Road  
St. Paul, MN. 55155-4194

Nancy Mortland  
M.P.C.A.  
Tanks and Spills  
700 North 7 th. st.  
Marshall, MN. 56258

**LEGEND TECHNICAL SERVICE, INC.**

TABLE #1

LEGEND No. 98-2350

MATHEWS DRAINAGE & EXCAVATING

SOIL ANALYTICAL RESULTS

	9861-1 (mg/kg)	9861-2 (mg/kg)	Method Blank (mg/kg)	PQL (mg/kg)
Gasoline range organics	< 5.0	< 5.0	< 5.0	5.0
Surrogate recovery %	95.9	101	88.6	----
Date Analyzed	7/02/98	7/02/98	7/02/98	----

< = Less than number shown

mg/kg is equal to parts-per-million (as received basis)

PQL = Practical quantitation limit

5.0 **REMARKS**

The unconsumed samples will be retained by our laboratory for 30 days from the date of this report and then discarded unless other instructions are received by the client.

This report shall not be reproduced except in full, without the written authorization of LEGEND TECHNICAL SERVICES, INC.

Prepared by,  
LEGEND TECHNICAL SERVICES, INC.



Brian Kregel  
Project Manager

BK/CB/mv



Chris Bremer  
Laboratory Manager

**C MATHEWS DRAINAGE & EXCAVATING**  
**F Bob Mathews**  
 12897 Falcon Ave  
 Glencoe, MN 55336-5324  
 320-864-6060

Project No.: **9861**

Laboratory Project No.: **98-2350**

Turnaround Time:  
 Normal      Date Needed: \_\_\_\_\_  
 Rush      Date Needed: \_\_\_\_\_

Condition Received:  
 Received on Ice

Analysis/# of Containers:  
 P  
R  
I  
D  
A  
D  
F  
I  
N  
E  
G  
L  
S

Item No.	Field ID No.	Sample Description	Collection		Sample Matrix	Lab ID No.	Analysis	Containers
			Date	Time				
1	9861-1	Soil	6-29-98	9:00 Am	G.P.O	113184		
2	9861-2	Soil	"	"	"	113185		
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								

Transfer No.	Item No.	Relinquished By	Accepted By	Date	Time	Comments
1			<i>Mathews</i>	6/30	10:07	no moist sent
2						
3						
4						



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

**RECEIVED**

SEP 17 1996  
MPCA, HAZARDOUS  
WASTE DIVISION

**NOTIFICATION OF SPREADING PETROLEUM  
CONTAMINATED SOIL  
AT A LAND TREATMENT SITE**

**(FORM C)**

Fact Sheet #3.11  
April 1996

Received: SEP 13 1996  
**Southwest Regional  
Office - MPCA - Marshall**

This form must be used to notify the Minnesota Pollution Control Agency (MPCA) that petroleum contaminated soil approved for land treatment has been spread. **This form must be completed and submitted to the MPCA within 10 days following spreading.**

**I. BACKGROUND AND SOIL SPREADING INFORMATION**

A. Generator (and mailing address):

Name : **Joel Best**  
Business name : **Best Ind.**  
Street/Box : **RR 1**  
City, Zip : **Hector, MN 55342-9801**  
Telephone : **320-848-2365**

B. Site from which contaminated soil was generated: **Joel Best**

MPCA Site ID # **LEAK00003899**  
Business name : **R.R. 2 Box 114**  
Street/Box :  
City, Zip : **Hector 55342**  
County : **Renville**

C. Land Treatment Site Owner  
(and mailing address)

Name : **Dennis Nelson**  
Street/Box : **1221 Greeley Av.**  
City, Zip : **Glencoe, MN. 55336**  
Telephone : **612-864-3732 or 864-3511**

D. Land Treatment Site Operator  
(and mailing address)

Name : **Bob Mathews**  
Street/Box : **12897 Falcon Av.**  
City, Zip : **Glencoe, 55336-5324**  
Telephone : **864-6060**

E. Person(s) who completed this form:

Name: Bob Mathews  
Business name: Mathews Farms  
Street/Box: 12897 Falcon Av.  
City, Zip: Glencoe  
Telephone: 1-320-864-6060

Name:  
Business name:  
Street/Box:  
City, Zip:  
Telephone:

F. Legal Description of Land Treatment Site:

S.W. 1/4 of N.W. 1/4 of Section 6 Township 115  
Township Name Helen County Mcleod Range 27 W

G. Date of MPCA Approval Letter for the batch of soil: April 11, 1996

H. Name of MPCA staff who issued Approval Letter for the batch of soil: Nancy Hennen

I. Date contaminated soil spread: 08/09/96

J. Volume of Soil spread: 150 cubic yards

K. Spreading thickness: 4 inches

L. Area of land used: .27 sq. ft. or acres

**II. SITE MAP**

Attach a site map (scale: 1 inch = 50 feet) that indicates the following:

- borders of land treatment site (indicate dimensions of each side in feet)
- delineate actual plot used for this batch of soil (label dimensions in feet)
- delineate all other plots previously used for land treatment (label dimensions in feet and indicate with leak site number)
- north arrow

### III. LOCAL GOVERNMENT NOTIFICATION INFORMATION

A copy of this form must be sent to the appropriate local government officials before or at the same time that it is submitted to the MPCA. Provide the following for the local government officials to whom copies of this form have been sent:

County  
official : Ed Homan  
Title : Zoning Officer  
City, Zip : Glencoe, 55336  
Telephone : 612-864-5551

Township, City, or  
Tribal official : Edmund Ehrke  
Title : Township Chairman  
Street/Box : 1773 130 th. St.  
City, Zip : Plato , 55370  
Telephone : 1-612-238-2382

Mail completed form and all attachments to:

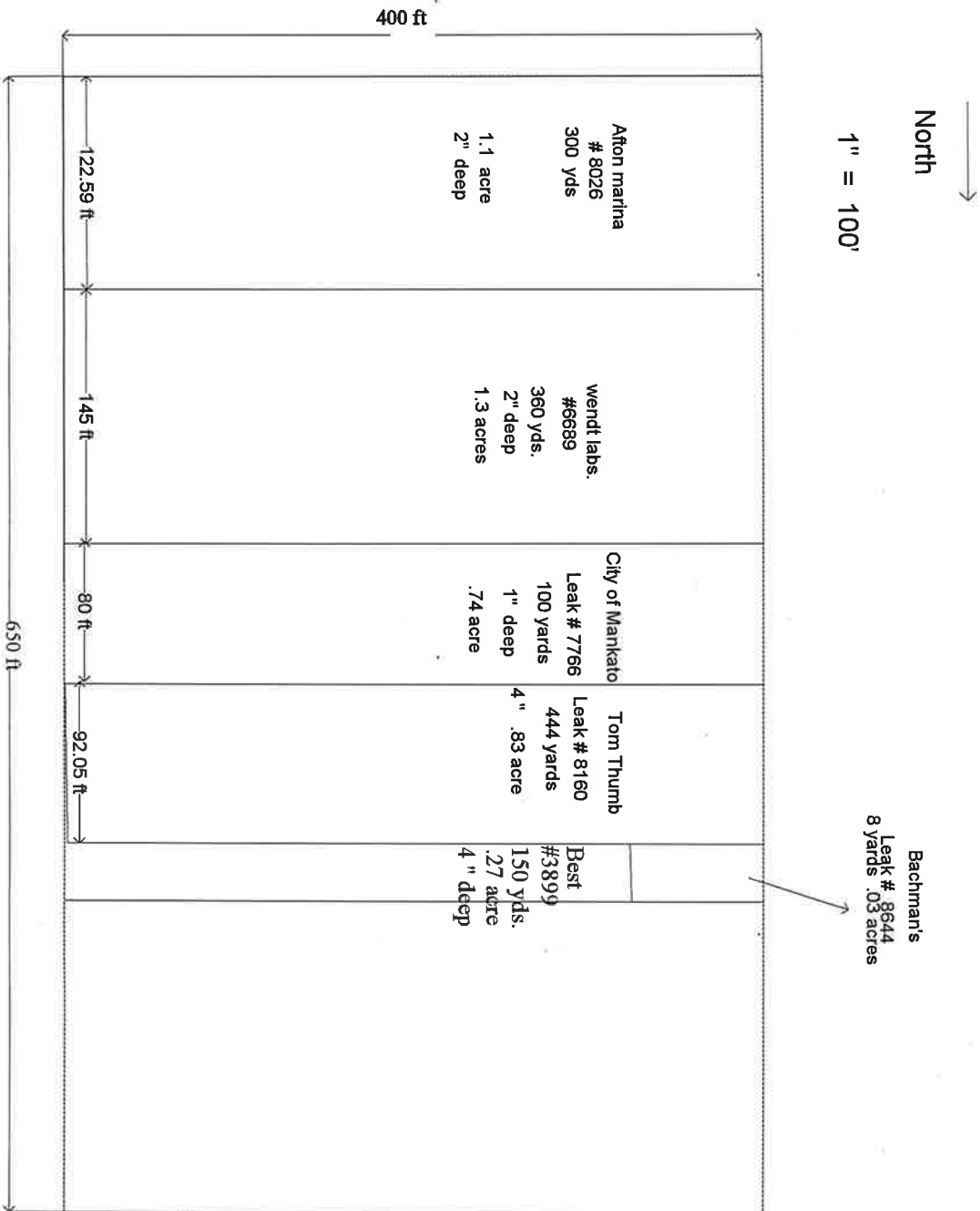
Project Manager  
Minnesota Pollution Control Agency  
Tanks and Emergency Response Section  
520 Lafayette Road North  
St. Paul, Minnesota 55155-4194

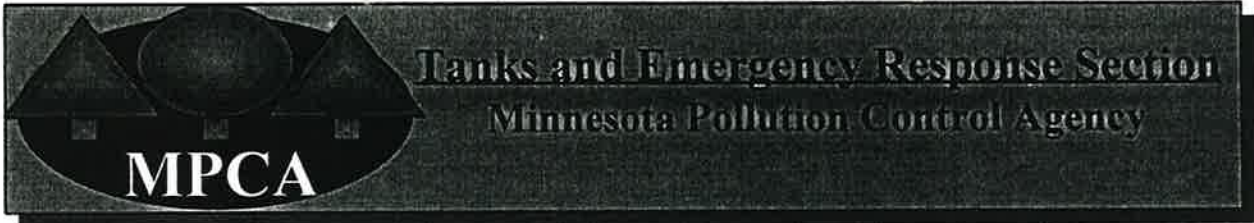
-OR- appropriate MPCA Regional Office land treatment site approval letter was issued by MPCA Regional Office Staff.



# Dennis Nelson

6 acre approved spread site # 1





APPLICATION TO LAND TREAT PETROLEUM CONTAMINATED SOIL AT AN APPROVED SITE

RECEIVED

AUG 20 1996

MPCA, HAZARDOUS WASTE DIVISION

(FORM B)

Fact Sheet #3.10

May 1996

Received:

AUG 08 1996

Southwest Regional Office - MPCA - Marshall

This form is to be submitted to the Minnesota Pollution Control Agency (MPCA) after specific soil contamination information is known and a land treatment site has been selected. This form may be submitted at the same time as land treatment Form A. Please refer to Minn. Rules ch. 7037 for specific information on application requirements for land treatment sites. A copy of the rules are included with this application. Petroleum contaminated soil may be spread upon approval of a Form B application which is contingent on proper local notification.

I. Background

A. Land Treatment Site Owner
PREAPPROVAL NUMBER PRE0342
Name: Dennis Nelson
Address: 1221 Greeley Av.
City, Zip: Glencoe, MN. 55336
Telephone: 320-864-3732 or 864-3511

B. Site from which contaminated soil was generated: Joel Best Property
MPCA Site ID#: LEAK0000 3899
Address: R.R. 2 Box 114
City, Zip: Hector 55342
County: Renville

C. Land Treatment Operator
Name: Bob Mathews
Address: 12897 Falcon Ave.
City, Zip: Glencoe, 55336
Telephone: 1-320-864-6060

D. Person completing this application:
Name: John Landwehr
Address: Agassiz Env.
City, Zip: 10600 University Ave. N.W.
Telephone: Coon Rapids 55448

E. Responsible Person Name/Address: Joel Best

S.W. 1/4 of N.W. 1/4 of Section 6 Township 115
Township Name Helen County Mcleod Range 27 W

G. Provide the following for contaminated soil that has been spread or has already been approved for spreading at this land treatment site: (attach sheet for additional information, if necessary)

Leaksite (name,city)	Leaksite Number	Soil Volume (cu.yds)	Date spread
Wendt Laboratories , Blakely	6689	360	06/30/95
Afton Marina	8026	300	08/10/95
Mankato Garage	7766	100	10/10/95
Tom Thumb	8160	444	----
<i>Bachmann's</i>	<i>8644</i>	<i>8</i>	
Total Soil Volume		<del>1212</del> <i>1204</i>	cubic yards.

H. Volume of soil of proposed batch to be spread: 150 cubic yards

I. Projected date of soil spreading: July 1996

**II. Soil Storage Information**

Complete the following. Refer "Land Treatment of Petroleum Contaminated Soil: Land Treatment Sites" fact sheet #3.8 for storage and run-off control options and storage time limits.

A. Location of proposed batch (circle): leaksite property, **land treatment site**, not yet excavated, other (specify) \_\_\_\_\_.

B. Date soil excavated (stockpiled): May 22, 1996

C. Type of run-off controls on plastic and covered by same

**III. Petroleum Contaminated Soil Sampling Results**

Type(s) of petroleum contamination: **unleaded gas, regular gas**, diesel fuel, No. 1,2,3,4,5 or 6 fuel oil, used oil, other (specify) \_\_\_\_\_.

Results of organic matter in native topsoil as required in Form A. 3.3

Refer to Minn. Rules ch.7037.0500 "Sampling and Analysis of Petroleum Contaminated Soil". Please report all parameters as averages. Please analyze lead as a grab sample. Also, if additional analyses are required attach a separate table, listing the appropriate analytical parameters and results. (Please ensure that the proper number of soil samples are collected ant the appropriate analyses are conducted)

Sample Code	TPH/ <u>GRO</u> /DRO (ppm)	Benzene (ppm)	Ethylbenzene (ppm)	Toluene (ppm)	Xylene (ppm)	MTBE (ppm)	Lead (ppm)
AVERAGE	<u>999</u>	<u>3.8</u>	<u>11.76</u>	<u>9.60</u>	<u>47</u>	<u>N/A</u>	<u>7.01</u>

**IV. Soil Spreading Information and Soil Nutrient Information**

Refer to the enclosed Minn. Rules ch. 7037.1800 "Petroleum Loading Limitations" and 7037.2200 "Fertilizer Application" that explains acceptable spreading thickness of petroleum contaminated soil based on contaminant levels, site characteristics of the land treatment area, and nutrient availability. Consult with your local soil conservation service (SCS), environmental consulting firms, or a professional soil scientist, in order to determine proper spreading thickness and soil nutrient information. For additional information on how to calculate the above, refer to MPCA fact sheet #3.8 "Land Treatment of Petroleum Contaminated Soil: Land Treatment Sites".

A. Proposed spreading thickness : 4 inches

B. Area of land to be used : .27 acres

**V. Site Map and Supporting Information**

Attach the following to this form. CLEARLY MARK exact location of the borders of land treatment site (indicate dimensions of each side in feet).

- A. Site Map - which delineates proposed plot for this batch of soil (label dimensions in feet)
  - delineate all other plots previously used for land treatment (indicate leak number)
  - north arrow
- B. Copies of laboratory reports and chain of custody forms for contaminated soil
- C. Native soil nutrient test results for phosphorus, if conducted.

**VI. Local Government Notification Information**

Attach copies of notifications and approvals that were secured for Form A unless local government has advised the MPCA in writing that they wish to review and approve each form B application. In this event the applicant will need to supply with this form B application written evidence that the county or township has been notified of the batch and county or township has approved of this specific batch of soil. Refer to Form A for an explanation of local government notification information.

**VII. APPLICANT SIGNATURE**

By signing below you take responsibility for complying with all requirements Minnesota Rules Chapter 7037 "Petroleum Contaminated Soil Management" and will be subject to the contents and practices herein. The MPCA reserves the right to inspect your land treatment plot at any time and enforce through available means if it has been determined that the site was not suitable for land treatment of petroleum contaminated soil and/or if proper land application procedures have not been adhered to.

Land Owner Signature Dennis Nelson Date 7-8-96

Site Operator Signature Bob Mathews Date 7-8-96

X Generator Signature Joel Best Date July 30, 1996

**VIII. Local Officials Mailing Addresses**

County  
official : Ed Homan  
Title : Zoning Officer  
City, Zip : Glencoe, 55336  
Telephone : 612-864-5551

Township, City, or  
Tribal official : Edmund Ehrke  
Title : Township Chairman  
Street/Box : 1773 130 th. St.  
City, Zip : Plato , 55370  
Telephone : 1-612-238-2382

**M.P.C.A.  
Project Manager**

Name : Anthony Hill

# Dennis Nelson

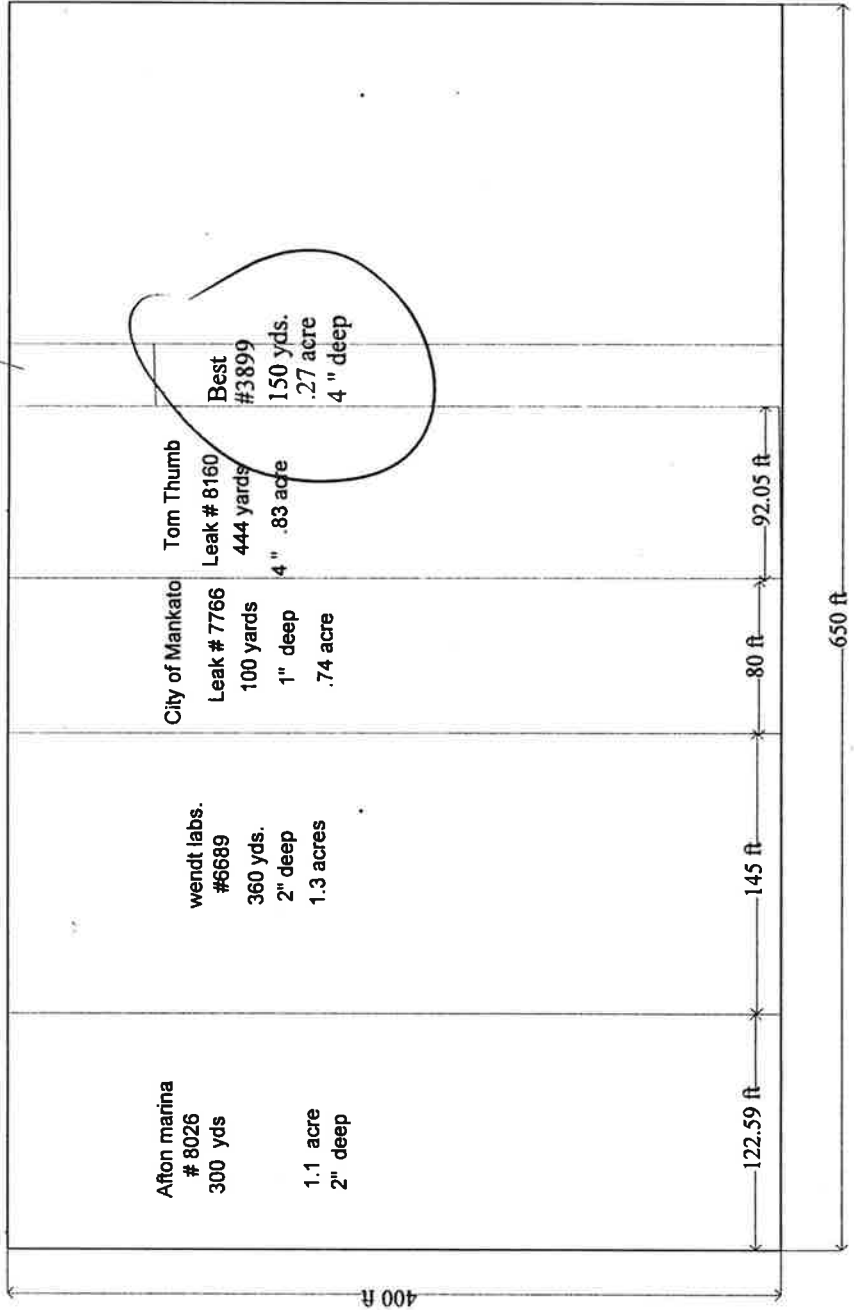
6 acre approved spread site # 1



North

1" = 100'

Bachman's  
Leak # 8644  
8 yards .03 acres



330 SO. CLEVELAND ST.  
P.O. BOX 349  
CAMBRIDGE, MN 55008

**MIDWEST ANALYTICAL SERVICES**

LAB  
METRO  
FAX

(612) 689-2175  
(612) 444-9270  
(612) 689-3660



MINNESOTA CERTIFIED LABORATORY  
NUMBER 027-059-156

June 10, 1996

RECEIVED JUN 12 1996

John Landwehr  
Agassiz Environmental Systems, Inc.  
10600 University Ave. NW, Suite 3A  
Coon Rapids, MN 55448

Project ID:	6045		
Chain of Custody:	16973		
Date Received:	05-23-96		
Matrix:	Soil		
Sample Identification:			Date Sampled:
Lab ID:	96-04501	Tank Bottom #1-9'	05-22-96
	96-04502	Tank Bottom #2-9'	05-22-96
	96-04503	Tank Bottom #3-9'	05-22-96
	96-04504	Tank Bottom #4-13.5'	05-22-96
	96-04505	Tank Bottom #5-14'	05-22-96
	96-04506	North Sidewall-9'	05-22-96
	96-04507	South Sidewall-9'	05-22-96
	96-04508	East Sidewall-10'	05-22-96
	96-04509	West Sidewall-9'	05-22-96
	96-04510	Trip Blank	05-22-96
	96-04511	Waste Pile East	05-23-96
	96-04512	Waste Pile West	05-23-96

Samples were analyzed for GRO by the Wisconsin Modified GRO procedure and for lead by atomic absorption spectrophotometry. The results are reported on the following pages.

Sincerely,

Chad Holzsnagel  
Chemist

Brian Anderson  
Inorganic Group Leader

MIDWEST ANALYTICAL SERVICES

Page 2  
COC 16973

Date Analyzed: 06-03-96

Parameter:	Benzene	Toluene	Ethyl Benzene	Xylenes	Total Hydrocarbons as GRO	Percent Moisture
Units:	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(%)
MDL:	0.050	0.050	0.050	0.150	10.0	
96-04501 TB #1	8.92	14.9	18.2	83.6	1780	27.1
96-04502 TB #2	7.69	14.6	18.4	72.8	1700	27.0
96-04503 TB #3	1.99	9.97	11.5	49.0	1190	27.9
96-04504 TB #4	BDL	BDL	BDL	BDL	BDL	17.9
96-04505 TB #5	BDL	BDL	BDL	BDL	BDL	18.0
96-04506 N. Sidewall	19.7	13.3	15.8	12.3	629	22.3
96-04507 S. Sidewall	0.091	BDL	BDL	BDL	28.8	26.8
96-04508 E. Sidewall	3.95	3.40	2.94	1.44	218	24.3
96-04509 W. Sidewall	14.4	19.4	17.0	22.7	834	23.2
96-04510 Trip Blank	BDL	BDL	BDL	BDL	BDL	
96-04511 E. Waste Pile	2.95	2.19	3.01	5.30	208	26.2
96-04512 W. Waste Pile	4.65	17.0	20.5	88.7	1790	24.1

BDL = Below Detection Limit, MDL = Method Detection Limit



**MIDWEST ANALYTICAL SERVICES**Page 3  
COC 16973

<b>Parameter:</b>	<b>Lead (mg/kg db)</b>	<b>Date Analyzed</b>
96-04501 TB #1	13.1	06-07-96
96-04502 TB #2	10.7	06-07-96
96-04503 TB #3	16.2	06-07-96
96-04504 TB #4	<0.40	06-07-96
96-04505 TB #5	<0.40	06-07-96
96-04506 N. Sidewall	<0.40	06-07-96
96-04507 S. Sidewall	<0.39	06-07-96
96-04508 E. Sidewall	3.12	06-07-96
96-04509 W. Sidewall	6.11	06-07-96
96-04511 E. Waste Pile	3.81	06-07-96
96-04512 W. Waste Pile	10.2	06-07-96

db = dry basis

NOTE: Samples will be retained 30 days from the date of report or until the holding time for analyzed parameters expires, whichever comes first. Samples will be returned if requested within that time.



APPLICATION FOR A PETROLEUM CONTAMINATED SOIL LAND  
TREATMENT SITE ( FORM A ) Site # 1

RECEIVED

AUG 20 1996

MPCA, HAZARDOUS  
WASTE DIVISION

Minnesota Pollution Control Agency  
Tanks and Spills Section  
April 1993

Received: JUN 17 1994  
Southwest Regional  
Office - MPCA - Marshall

Refer to Minn. Rules ch. 7037 for specific information on approval procedures and application requirements.  
Contaminated soil may not be spread until land treatment Form B is submitted and approved.

I. BACKGROUND

A. Land Treatment site Owner  
(and mailing address) :

B. Land Treatment Site Operator  
( and mailing address ) ;

Name : Dennis Nelson 1221 Greeley Ave.  
Street/Box : ~~12409 Echo Ave.~~  
City, Zip : Glencoe, MN. 55336  
Telephone : 864-~~3732~~ 4037

Name : Bob Mathews  
Street/Box : 12897 Falcon Av.  
City, Zip : Glencoe, 55336  
Telephone : 864-6060

Signature : Dennis Nelson  
Date : May 19, 1994

Signature : Bob Mathews  
Date : 5-19-94

C. Indicate below any person who is in possession of, has the right of control, or controls the use of real property, including without limitation a person who may be a lessee, renter, tenant, contract for deed vendee, licensee, or occupant, where the land treatment site is proposed :

Dennis Nelson

D. Person ( s ) who completed the application :

Name : Bob Mathews  
Business name : Mathews Farms  
Street/Box : 12897 Falcon Av.  
City, Zip : Glencoe, 55336  
Telephone : 864-6060

Name : Kathy Owner  
Business name : Applied Engineering  
Street/Box : 2905 Oak Lea Terrace  
City, Zip : Wayzata, MN. 55391-2533  
Telephone : 612-939-9095

E. Legal Description of Land Treatment Site :

S.W. 1/4 of N.W. 1/4 of Section 6 Township 115  
Township Name Helen County McLeod Range 27 W

F. Total area for proposed land treatment ( square feet or acres ) : ~~THREE ACRES~~  
6 acres

G. Indicate all land treatment sites used within the previous five years located within one-quarter mile of the proposed site. Indicate the owner/operator, location, and soil volume treated.

NONE

## II. SITE AND NATIVE SOIL CHARACTERISTICS

Provide the following information. If the distance for items A through G greater than the minimum requirement, simply indicate this ( e.g. for public water supply well write "greater than 1000 feet ).

- A. Distance to nearest intermittent stream, drainage ditch, tile drain inlet, or the ordinary high water level of a stream, river, lake pond, wetland or folowage: greater than 200 feet
- B. Distance to nearest sinkhole, exposed bedrock, or known underground cave : greater than 200 feet
- C. Distance to nearest private water supply well : greater than 200 feet
- D. Distance to nearest public water supply well : greater than 1000 feet
- E. Distance to nearest place of habitation : greater than 200 feet
- F. Distance to nearest residential development or recreational area : greater than 500 feet
- G. Distance to nearest property line : greater than 200 feet

H. Is this site located within 500 feet of the ordinary high water levels of a trout stream, trout lake, or outstanding resource value water (or an intermittent stream, drainage ditch, or tile drainage inlet that directly outlets to these features ), as indicated in pt. 7037.1000, subpart 2 ? \_\_\_\_yes Xno

If YES, is a filter strip with a minimum width of 50 feet located between the site and the above features ? \_\_\_\_\_YES\_\_\_\_\_NO

I. Is this site located within a 10-year floodplain ? \_\_\_\_\_YES\_\_\_\_\_X\_\_\_\_\_NO

J. If the potential for run-on exists, describe the run-on control measures to be used at the site ( pt. 7037.1000, subpart 3 ) ?

K. Has this site been used for treatment or disposal of wastes ( not including Petroleum contaminated soil ) ? \_\_\_\_\_YES\_\_\_\_\_X\_\_\_\_\_NO If YES, explain.

- L. Site slope : 0-3 percent
- M. SCS Soil series name (s) at site : Soil 1 : Klossner Muck Soil 2 : Harps Clay Loam  
 Soil 3 : Canisted-Glencoe Complex
- N. Depth to bedrock : >5 feet
- O. Depth to tile drainage lines : 4' feet
- P. Depth to seasonal high water table : Soil 1 : ave. +1  
+3-1.0 feet Soil 3: 1.0-3.0  
ave. 2 ave. 2  
 Soil 2: 1.0-3.0 feet
- Q. Organic matter in upper 8" of soil : Soil 1: ~~25-60~~ PCT 3.3%  
 Soil 2: ~~45~~ PCT 3.3%  
 Soil 3 : ~~4-10~~ PCT 3.3%
- R. Indicate the following information within the soil profile above bedrock, tile lines or seasonal high water table for each soil series at the site :

Soil 1 :

Soil horizon (e.g. A, B, B2)	Thickness (inches)	Permeability (inches /hour)
A - 8	22 (0-22) <u>1.8 ft.</u>	2.0 - 0.6
<u>A - 4, A - 7, A - 6</u>	38 (22-60) <u>3.2 ft.</u>	2.0 - 2.0
A - 6, A - 7	16 (0-16)	0.6 - 2.0
A - 6, A - 7	26 (16-42)	0.6 - 2.0
A - 6	18 (42-60)	0.6 - 2.0

Total thickness of soil horizons with permeability less than 6 inches / hour : (SOIL 1) 53.2 feet (SOIL 2) 5 Feet

Total thickness of soil horizons with permeability less than 0.6 inches / hour : 0 feet 0 feet

Soil 1 :

Soil horizon (e.g. A, B, B2)	Thickness (inches)	Permeability (inches /hour)
A - 8	22 (0-22)	2.0 - 0.6
A - 4 , A - 7 , A - 6	38 (22-60)	2.0 - 2.0
A - 6 , A - 7	16 ( 0-16)	0.6 - 2.0
A - 6 ,A - 7	26 (16-42)	0.6 - 2.0
A - 6	18 (42-60)	0.6 - 2.0
Total thickness of soil horizons with permeability less than 6 inches / hour :		
	(SOIL 1 ) _____ 5 _____ feet	(SOIL 2 ) _____ 5 _____ Feet
Total thickness of soil horizons with permeability less than 0.6 inches / hour :		
	_____ 0 _____ feet	_____ 0 _____ feet

### III. MAPS AND SUPPORTING INFORMATION

Attach the following. **CLEARLY MARK exact location of site and storage areas on each map.**

- A. SCS soil survey information : ( if the county has been mapped )
  - copy of soil survey map
  - copies of the soil survey tables or SCS interpretation records for all soil series within the boundaries of the land treatment site
- B. If the county has not been mapped then a map comparable to an SCS soil survey map must be submitted for the area containing the site and storage areas. Also, include the results of any on-site investigation as described in pt. 70.1200, subp. 2 (B) .
- C. Copy of lab report for organic matter in native topsoil.
- D. Site map (scale: 1 inch = 200 feet). Indicate the following :
  - all features in part II. A-H above
  - any other land treatment site used within previous five years
  - indicate general topography with contours and drainage patterns
  - north arrow
- E. Map of tile drainage system, if present.
- F. Copy of county plat map or comparable map with clear road directions to the site.

Soil 3 :

	Soil horizon (e.g. A, B, B2)	Thickness (inches)	Permeability (inches /hour)
Canisted	A - 7	13 (0-13)	0.6 - 2.0
	A - 7 , A - 6	13 (13-24)	0.6 - 2.0
	A - 6 , A - 7	11 (24-31)	0.6 - 2.0
	A - 6 , A - 4	07 (31-60)	0.6 - 2.0
	A - 6	29 ( 0-35)	0.6 - 2.0
Glencoe	A - 6 , A - 7	35 (0-35)	2.0 - 0.6
	A - 6 , A - 7	13 (35-48)	2.0 - 0.6
	A - 6 , A - 7	12 (48-60)	0.6 - 2.0

Total thickness of soil horizons with permeability less than 6 inches / hour : 5 feet

Total thickness of soil horizons with permeability less than 0.6 inches / hour : 0 feet

G. Copies of written permission, if required (e.g. adjacent land owneres, if land treatment is to be done closer than 200 feet ).

**IV. LOCAL GOVERNMENT NOTIFICATION INFORMATION**

Notification of local government. officials must be done in accordance with pt. 7037.1200, subpart 3 . Notification can either be done using certified mail or by signature of the authorized local government official below. If certified mail is used attach a copy of the certified mail return receipt. By signing below, local government officials acknowledge that they have been notified of this proposed land treatment site. This notice is intended to provide local governments with the opportunity to inform the applicant of any applicable local ordinances and is not intended as an approval.

Site information : ( Must be completed prior to obtaining signatures )

S.W. 1/4 of N.W. 1/4 of Section 6 Township 115  
Township Name Helen County McLeod Range 27 W

Site owner / operator : Dennis Helson

County official : Ed Homan  
Title : Zoning Officer  
City, Zip : Glencoe, 55336  
Telephone : 612-864-5551

Township, City, or Tribal official : Edmund Ehrke  
Title : Township Chairman  
Street/Box : 1773 120 Street RR 2  
City, Zip : Plato, 55370 Glencoe 55336  
Telephone : 612-238-2382

Signature : [Signature]

Date : 6/13/94

Signature : [Signature]

Date : May 19, 1994

**V. MPCA SIGNATURE**

Signature and title of MPCA Staff Inspector ( or other authorized inspector ) :

Name, Title : Amy Swart, Tanks + Spills Paraprofessional  
Signature : [Signature]  
Date inspected : 9/30/94

**Note : this signature does not constitute approval of the land treatment site.**

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Application -- Form A

Page 6

April 1993

Mail completed application and all attachments to :

Project Manager

Or

appropriate MPCA Regional

M.P.C.A.

Office

Tanks and Spills Section

520 Lafayette Road

St. Paul, Minnesota 55155-4194

Edmund Ehrke

Township Chairman

1773 120 Street

Plato , 55370

612-238-2382

Nancy Mortland

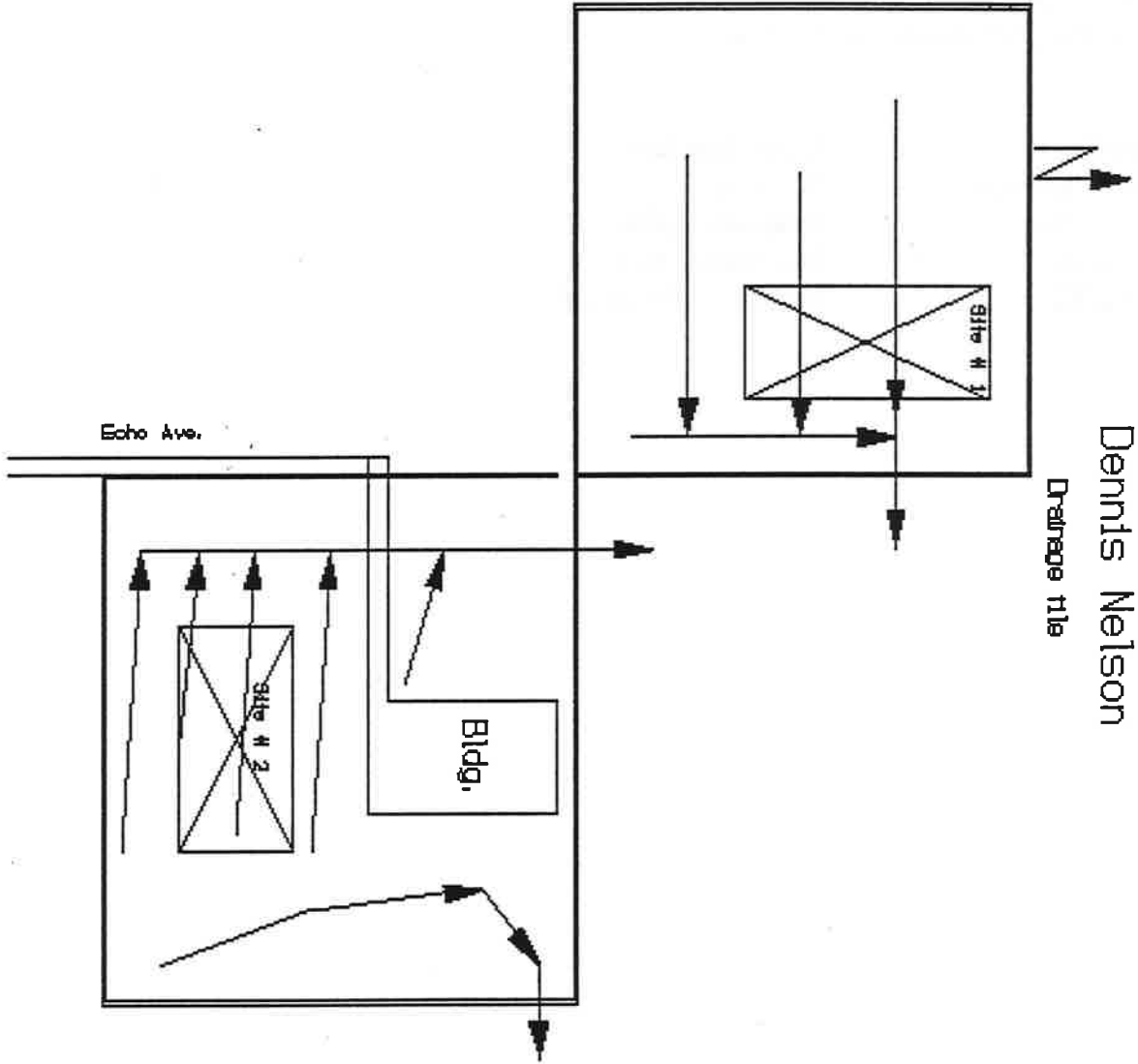
M.P.C.A.

Tanks and Spills

700 North 7 th. st.

Marshall, MN. 56258

Dennis Nelson  
Drainage tile

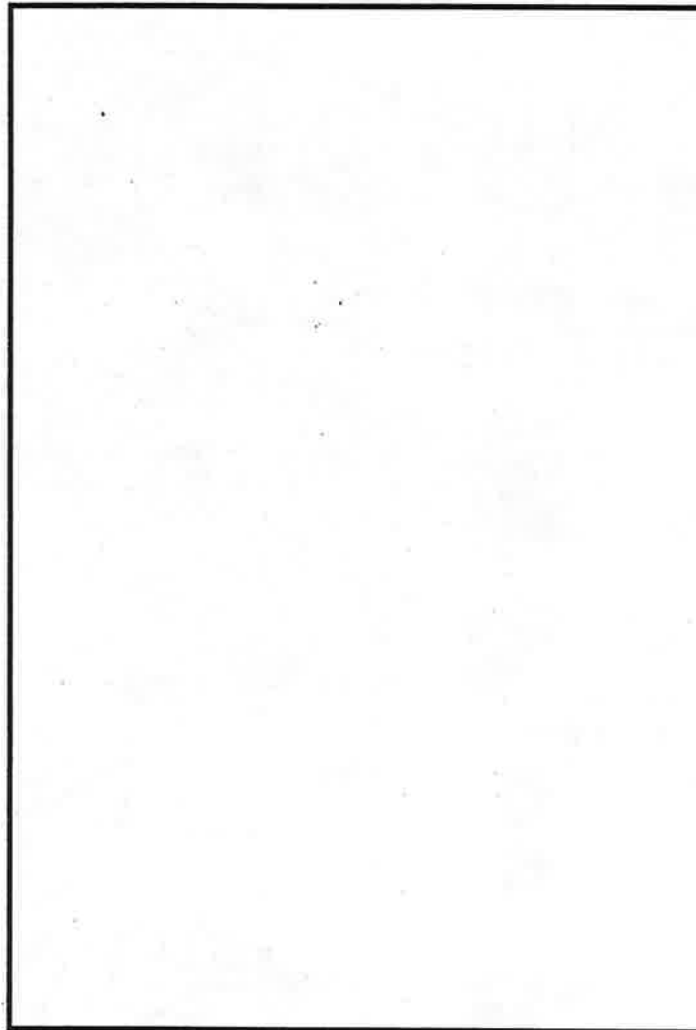




Dennis Nelson

3 Acre Spread Site # 1

400'



650'



MLRA(S): 102A, 103  
REV. TCJ, KDM, 9-90  
TERRIC MÉSISÁPRISTS, LOAMY, MIXED, EUIC, MESIC

THE KLOSSNER SERIES, PONDED, CONSISTS OF VERY POORLY DRAINED SOILS FORMED IN DEPOSITS OF ORGANIC MATERIAL, 16 TO 50 INCHES THICK OVER LOAMY SEDIMENTS IN DEPRESSIONAL AREAS WITHIN LAKE PLAINS AND MORAINES. THE SURFACE SOIL IS BLACK MUCK 22 INCHES THICK. THE SUBSTRATUM IS 38 INCHES OF BLACK SILTY CLAY LOAM. SLOPES RANGE FROM 0 TO 2 PERCENT. MOST AREAS ARE USED FOR WETLAND WILDLIFE HABITAT.

LANDSCAPE AND CLIMATE PROPERTIES					
ANNUAL AIR TEMPERATURE	FROST FREE DAYS	ANNUAL PRECIPITATION	ELEVATION (FT)	DRAINAGE CLASS	SLOPE (PCT)
45-50	120-160	24-30	800-1300	VP	U-2

ESTIMATED SOIL PROPERTIES										
DEPTH (IN.)	USDA TEXTURE	UNIFIED	AASHTO	FRACT. >10 IN (PCT)	FRACT. 3-10 IN (PCT)	PERCENT OF MATERIAL LESS THAN 3" PASSING SIEVE NO.				CLAY (PCT)
						4	10	40	200	
0-22 22-60	SP, MUCK CL, L, MK-SICL	PT CL-HL, CL	A-8 A-4, A-6, A-7	0	0	90-100	85-100	80-100	60-90	20-35

DEPTH (IN.)	LIQUID LIMIT	PLAS-TICITY INDEX	MOIST BULK DENSITY (G/CM3)	PERMEA-BILITY (IN/HR)	AVAILABLE WATER CAPACITY (IN/IN)	SOIL REACTION (PH)	SALINITY (MMHOS/CM)	SAR	CEC (ME/100G)	CAC03 (PCT)	GYPSON (PCT)
0-22 22-60	25-55	10-30	0.25-0.45 1.45-1.70	0.2-6.0 0.2-2.0	0.35-0.45 0.14-0.22	5.1-7.8 6.1-8.4	-	-	150-200 20-100	0-15 0-30	-

DEPTH (IN.)	ORGANIC MATTER (PCT)	SHRINK-SWELL POTENTIAL	EROSION FACTORS	WIND EROD. GROUP	WIND EROD. INDEX	CORROSIIVITY	
						STEEL	CONCRETE
0-22 22-60	25-60 5-20	MODERATE	.28	5	8	U	HIGH MODERATE

FLOODING			HIGH WATER TABLE		CEMENTED PAN		BEDROCK		SUBSIDENCE		HYD GRP	POTENTIAL FROST ACTION
FREQUENCY	DURATION	MONTHS	DEPTH (FT)	KIND	DEPTH (IN)	HARDNESS	DEPTH (IN)	HARDNESS	INIT. (IN)	TOTAL (IN)		
NONE			3-1.0	APPARENT	JAN-DEC	-		>60	2-4	25-32	0	HIGH

SANITARY FACILITIES		CONSTRUCTION MATERIAL	
SEPTIC TANK ABSORPTION FIELDS	SEVERE-SUBSIDES, PONDING, PERCS SLOWLY	ROADFILL	POOR-LOW STRENGTH, WETNESS
SEWAGE LAGOON AREAS	SEVERE-SEEPAGE, EXCESS HUMUS, PONDING	SAND	IMPROBABLE-EXCESS FINES
SANITARY LANDFILL (TRENCH)	SEVERE-PONDING	GRAVEL	IMPROBABLE-EXCESS FINES
SANITARY LANDFILL (AREA)	SEVERE-SEEPAGE, PONDING	TOPSOIL	POOR-EXCESS HUMUS, WETNESS
DAILY COVER FOR LANDFILL	POOR-PONDING	WATER MANAGEMENT	
		POND RESERVOIR AREA	SEVERE-SEEPAGE
BUILDING SITE DEVELOPMENT		EMBANKMENTS DIKES AND LEVEES	
SHALLOW EXCAVATIONS	SEVERE-EXCESS HUMUS, PONDING	EXCAVATED PONDS AQUIFER FED	SEVERE-SLOW REFILL
DWELLINGS WITHOUT BASEMENTS	SEVERE-SUBSIDES, PONDING	DRAINAGE	PONDING, SUBSIDES, FROST ACTION
DWELLINGS WITH BASEMENTS	SEVERE-SUBSIDES, PONDING	IRRIGATION	PONDING
SMALL COMMERCIAL BUILDINGS	SEVERE-SUBSIDES, PONDING	TERRACES AND DIVERSIONS	PONDING
LOCAL ROADS AND STREETS	SEVERE-SUBSIDES, LOW STRENGTH, PONDING	GRASSED WATERWAYS	WETNESS
LAWNS LANDSCAPING AND GOLF FAIRWAYS	SEVERE-PONDING, EXCESS HUMUS		

1A0157

SOIL INTERPRETATIONS RECORD

HARPS SERIES

HLRA(S): 102B, 103  
 REV. LDI, 7-90  
 TYPIC CALCIQUOLLS, FINE-LOAMY, MESIC

THE HARPS SERIES CONSISTS OF DEEP, POORLY DRAINED SOILS FORMED IN GLACIAL TILL OR ALLUVIUM UNDER PRAIRIE VEGETATION IN AREAS BORDERING DEPRESSIONS, THE SURFACE SOIL IS BLACK AND VERY DARK GRAY CALCAREOUS CLAY LOAM 16 INCHES THICK. THE SUBSOIL IS LIGHT OLIVE GRAY, GRAY AND OLIVE GRAY MOTTLED CALCAREOUS LOAM. THE SUBSTRATUM IS GRAY, DARK GRAY AND DARK YELLOWISH BROWN MOTTLED CALCAREOUS LOAM. SLOPES RANGE FROM 0 TO 3 PERCENT. CROPLAND IS THE MAIN USE.

LANDSCAPE AND CLIMATE PROPERTIES					
ANNUAL AIR TEMPERATURE	FROST FREE DAYS	ANNUAL PRECIPITATION	ELEVATION (FT)	DRAINAGE CLASS	SLOPE (PCT)
45-52	145-170	26-36	800-1400	P	0-3

ESTIMATED SOIL PROPERTIES										
DEPTH (IN.)	USDA TEXTURE	UNIFIED	AASHTO	FRACT. >10 IN (PCT)	FRACT. 3-10 IN (PCT)	PERCENT OF MATERIAL LESS THAN 3" PASSING SIEVE NO.				CLAY (PCT)
						4	10	40	200	
0-16	CL	CL	A-6, A-7	0	0-5	95-100	95-100	80-90	65-80	25-27
0-16	CL	CL, CH	A-6, A-7	0	0-5	95-100	95-100	80-90	65-80	27-35
16-42	L, CL, SCL	CL, CH	A-6, A-7	0	0-5	95-100	95-100	80-90	65-80	18-32
42-60	L, SCL, CL	CL	A-6	0	0-5	95-100	90-100	70-80	50-75	20-30

DEPTH (IN.)	LIQUID LIMIT	PLASTICITY INDEX	MOISTURE DENSITY (G/CM3)	PERMEABILITY (IN/HR)	AVAILABLE WATER CAPACITY (IN/IN)	SOIL REACTION (PH)	SALINITY (MMHOS/CM)	SAR	CEC (ME/100G)	CACOS (PCT)	GIPSUM (PCT)
0-16	30-45	10-25	1.35-1.40	0.6-2.0	0.19-0.21	7.9-8.4	-	-	36-41	20-30	-
0-16	35-55	15-35	1.35-1.40	0.6-2.0	0.19-0.21	7.9-8.4	-	-	36-41	20-30	-
16-42	30-60	15-35	1.40-1.50	0.6-2.0	0.17-0.19	7.9-8.4	-	-	25-30	20-30	-
42-60	25-40	10-25	1.50-1.70	0.6-2.0	0.17-0.19	7.4-8.4	-	-	20-25	20-30	-

DEPTH (IN.)	ORGANIC MATTER (PCT)	SHRINK-SWELL POTENTIAL	EROSION FACTORS	WIND EROD. GROUP	WIND EROD. INDEX	CORROSION	
						STEEL	CONCRETE
0-16	4-5	MODERATE	.24	4L	86	HIGH	LOW
0-16	4-5	MODERATE	.24	4L	86	HIGH	LOW
16-42	2-3	MODERATE	.32				
42-60	0-1	MODERATE	.32				

FLOODING			HIGH WATER TABLE		CEMENTED PAN	BEDROCK	SUBSIDENCE		HYD POTENTIAL	
FREQUENCY	DURATION	MONTHS	DEPTH (FT)	KIND	DEPTH (IN)	DEPTH (IN)	INITIAL	TOTAL	FROST ACTION	
NONE			1.0-3.0	APPARENT	NOV-JUN	-	>60	-	B/D	HIGH

SANITARY FACILITIES		CONSTRUCTION MATERIAL	
SEPTIC TANK ABSORPTION FIELDS	SEVERE-WETNESS	ROADFILL	FAIR-SHRINK-SWELL, LOW STRENGTH, WETNESS
SEWAGE LAGOON AREAS	SEVERE-WETNESS	SAND	IMPROBABLE-EXCESS FINES
SANITARY LANDFILL (TRENCH)	SEVERE-WETNESS	GRAVEL	IMPROBABLE-EXCESS FINES
SANITARY LANDFILL (AREA)	SEVERE-WETNESS	TOPSOIL	FAIR-LARGE STONES
DAILY COVER FOR LANDFILL	POOR-HARD TO PACK, WETNESS	POUND RESERVOIR AREA	MODERATE-SEEPAGE

BUILDING SITE DEVELOPMENT		WATER MANAGEMENT	
SHALLOW EXCAVATIONS	SEVERE-WETNESS	EMBANKMENTS DIKES AND LEVEES	SEVERE-WETNESS
DWELLINGS WITHOUT BASEMENTS	SEVERE-WETNESS	EXCAVATED PONDS AQUIFER FED	MODERATE-SLOW REFILL
DWELLINGS WITH BASEMENTS	SEVERE-WETNESS	DRAINAGE	FROST ACTION
SMALL COMMERCIAL BUILDINGS	SEVERE-WETNESS	IRRIGATION	WETNESS
LOCAL ROADS AND STREETS	SEVERE-LOW STRENGTH, FROST ACTION	TERRACES AND DIVERSIONS	WETNESS
LAWNS LANDSCAPING	MODERATE-WETNESS	GRASSED PATHWAYS	WETNESS

MN0059

SOIL INTERPRETATIONS RECORD

CANISTEO SERIES

HLRA(S): 103, 104, 108, 110, 95B, 102A  
 REV. KRV, ELB, 10-87  
 TYPIC MAPLAQUOLLS, FINE-LOAMY, MIXED (CALCAREOUS), MESIC

THE CANISTEO SERIES CONSISTS OF DEEP POORLY DRAINED SOILS FORMED IN GLACIAL TILL UNDER PRAIRIE VEGETATION ON RIMS OF DEPRESSIONS ON GLACIAL TILL PLAINS. THE SURFACE SOIL IS BLACK AND VERY DARK GRAY CLAY LOAM 20 INCHES THICK. THE SUBSOIL IS DARK GRAY, DARK GRAYISH BROWN AND OLIVE GRAY CLAY LOAM 11 INCHES THICK. THE SUBSTRATUM IS OLIVE GRAY CLAY LOAM. SLOPES ARE 0 TO 2 PERCENT. CROPLAND IS THE MAIN USE.

LANDSCAPE AND CLIMATE PROPERTIES				
ANNUAL AIR TEMPERATURE	FROST FREE DAYS	ANNUAL PRECIPITATION	ELEVATION (FT)	DRAINAGE CLASS
				P
				SLOPE (PCT) 0-2

ESTIMATED SOIL PROPERTIES										
DEPTH (IN.)	USDA TEXTURE	UNIFIED	AASHTO	FRACT. > 10 IN (PCT)	FRACT. > 3 IN (PCT)	PERCENT OF MATERIAL LESS THAN 3" PASSING SIEVE NO.				CLAY (PCT)
						4	10	40	200	
0-15	CL, SCL	CL, CL	A-7, A-6	0	0	95-100	95-100	85-100	60-100	27-35
0-13	SIL, L	CL	A-7, A-6	0	0	95-100	95-100	85-100	60-100	18-27
13-24	CL, L, SCL	CL	A-6, A-7	0	0	98-100	90-100	85-95	65-85	20-35
24-31	CL, L, SL	CL, ML, SH, SC	A-6, A-4		0.5	90-100	80-95	60-90	40-80	10-35
31-60	CL, L	CL	A-6		0.5	95-100	90-98	80-95	50-75	22-32

DEPTH (IN.)	LIQUID LIMIT	PLAS-TICITY INDEX	MOIST BULK DENSITY (G/CM3)	PERMEA-BILITY (CM/HR)	AVAILABLE WATER CAPACITY (IN/IN)	SOIL REACTION (PH)	SALINITY (MMHOS/CM)	SAR	CEC (ME/100G)	CACOS (PCT)	GYPSON (PCT)
0-13	40-50	15-20	1.25-1.35	0.6-2.0	0.18-0.22	7.4-8.4	.				
0-13	30-50	10-25	1.20-1.30	0.6-2.0	0.20-0.22	7.4-8.4	.				
13-24	38-50	25-35	1.35-1.50	0.6-2.0	0.15-0.19	7.4-8.4	.				
24-31	30-40	5-15	1.30-1.50	0.6-2.0	0.12-0.18	7.4-8.4	.				
31-60	30-40	12-20	1.45-1.60	0.6-2.0	0.14-0.16	7.4-8.4	.				

DEPTH (IN.)	ORGANIC MATTER (PCT)	SHRINK-SWELL POTENTIAL	EROSION FACTORS		WIND EROD. GROUP	WIND EROD. INDEX	CORROSIVITY	
			K	T			STEEL	CONCRETE
0-13	4-8	MODERATE	24	3	4L	85	HIGH	LOW
0-13	4-8	MODERATE	32	5	4L	86	HIGH	LOW
13-24		MODERATE	32					
24-31		LOW	32					
31-60		LOW	32					

FLOODING			HIGH WATER TABLE			CEMENTED PAV		BEDROCK		SUBSIDENCE		HYD GRP	POTENTIAL FROST ACTION
FREQUENCY	DURATION	MONTHS	DEPTH (FT)	KIND	MONTHS	DEPTH (IN)	HARDNESS	DEPTH (IN)	HARDNESS	INIT. (IN)	TOTAL (IN)		
NONE			1.0-3.0	APPARENT	OCT-JUL			>60				B/D	HIGH

SANITARY FACILITIES		CONSTRUCTION MATERIAL	
SEPTIC TANK ABSORPTION FIELDS	SEVERE-WETNESS	ROADFILL	FAIR-LOW STRENGTH, WETNESS
SEWAGE LAGOON AREAS	SEVERE-WETNESS	SAND	IMPROBABLE-EXCESS FINES
SANITARY LANDFILL (TRENCH)	SEVERE-WETNESS	GRAVEL	IMPROBABLE-EXCESS FINES
SANITARY LANDFILL (AREA)	SEVERE-WETNESS	TOPSOIL	GOOD
DAILY COVER FOR LANDFILL	POOR-WETNESS	POUND RESERVOIR AREA	MODERATE-SEEPAGE

BUILDING SITE DEVELOPMENT		WATER MANAGEMENT	
SHALLOW EXCAVATIONS	SEVERE-WETNESS	EMBANKMENTS DIKES AND LEVEES	SEVERE-WETNESS
DWELLINGS WITHOUT BASEMENTS	SEVERE-WETNESS	EXCAVATED PONDS AQUIFER FED	MODERATE-SLOW REFILL
DWELLINGS WITH BASEMENTS	SEVERE-WETNESS	DRAINAGE	FROST ACTION
SMALL COMMERCIAL BUILDINGS	SEVERE-WETNESS	IRRIGATION	WETNESS
LOCAL ROADS AND STREETS	SEVERE-LOW STRENGTH, FROST ACTION	TERRACES AND DIVERSIONS	WETNESS
	MODERATE-WETNESS	GRADED	WETNESS

MN0026

SOIL INTERPRETATIONS RECORD

GLENCOE SERIES

MLRA(S): 90, 103, 104  
 REV. ARG-ELB, 9-85  
 CONULIC MAPLAQUOLLS, FINE-LOAMY, MIXED, MESIC

THE GLENCOE SERIES CONSISTS OF DEEP, VERY POORLY DRAINED SOILS FORMED IN GLACIAL TILL ON DEPRESSIONS AND SWALES IN THE UPLANDS. THE SURFACE SOIL IS BLACK AND VERY DARK GRAY CLAY LOAM 35 INCHES THICK. THE SUBSOIL IS OLIVE-GRAY MOTTLED LOAM 13 INCHES THICK. THE SUBSTRATUM IS GRAYISH BROWN AND LIGHT OLIVE BROWN LOAM. SLOPES ARE LESS THAN 1 PERCENT. CROPLAND IS THE MAIN USE.

ESTIMATED SOIL PROPERTIES												
DEPTH (IN.)	USDA TEXTURE	UNIFIED	AASHTO	FRAC. > 3 IN (PCT)	PERCENT OF MATERIAL LESS THAN 3" PASSING SIEVE NO.				LIQUID LIMIT	PLASTICITY INDEX		
					4	10	40	200				
0-35	SICL, CL, L	OL, OH, MH, HL	A-6, A-7	0	95-100	90-100	75-100	60-90	30-55	10-25		
35-48	L, CL, SICL	CL	A-6, A-7	0	95-100	90-100	75-100	60-90	30-50	10-25		
48-60	L, CL	CL, HL	A-6, A-7	0	90-100	85-100	60-95	55-75	30-50	10-20		

DEPTH (IN.)	CLAY (PCT)	MOIST BULK DENSITY (G/CM3)	PERMEABILITY (IN/HR)	AVAILABLE WATER CAPACITY (IN/IN)	SOIL REACTION (PH)	SALINITY (MGHOS/CM)	SHRINK-SWELL POTENTIAL	EROSION FACTORS	WIND EROD. GROUP	ORGANIC MATTER (PCT)	CORROSION		
											STEEL	CONCRETE	
0-35	25-35	1.35-1.45	0.2-2.0	0.18-0.22	6.1-7.8	-	MODERATE	.28	5	6	5-10	HIGH	LOW
35-48	25-35	1.35-1.50	0.2-2.0	0.15-0.19	6.6-7.8	-	MODERATE	.28					
48-60	22-32	1.35-1.50	0.6-2.0	0.15-0.19	7.4-7.8	-	LOW	.28					

FLOODING			HIGH WATER TABLE			CEMENTED PAV.		BEDROCK		SUBSIDENCE		HYD. POTENTIAL
FREQUENCY	DURATION	MONTHS	DEPTH (FT)	KIND	MONTHS	DEPTH (IN)	HARDNESS	DEPTH (IN)	HARDNESS	INIT. (IN)	TOTAL (IN)	FROST ACTION
NONE-RARE			<1-1.0	APPARENT	OCT-JUL	-		>60		-		B/D

SANITARY FACILITIES		CONSTRUCTION MATERIAL	
SEPTIC TANK ABSORPTION FIELDS	SEVERE-PONDS SLOWLY, PONDING	ROADFILL	POOR-WETNESS, LOW STRENGTH
SEWAGE LAGOON AREAS	SEVERE-PONDING	SAND	IMPROBABLE-EXCESS FIRES
SANITARY LANDFILL (TRENCH)	SEVERE-PONDING, EXCESS HUMUS	GRAVEL	IMPROBABLE-EXCESS FIRES
SANITARY LANDFILL (AREA)	SEVERE-PONDING	TOPSOIL	POOR-WETNESS
DAILY COVER FOR LANDFILL	POOR-PONDING, HARD TO PACK	WATER MANAGEMENT	
		POND RESERVOIR AREA	MODERATE-SEEPAGE
BUILDING SITE DEVELOPMENT			
SHALLOW EXCAVATIONS	SEVERE-PONDING	EMBANKMENTS DIKES AND LEVES	SEVERE-HARD TO PACK, EXCESS HUMUS, PONDING
DWELLINGS WITHOUT BASEMENTS	NONE: SEVERE-PONDING, LOW STRENGTH RARE: SEVERE-FLOODING, PONDING, LOW STRENGTH	EXCAVATED PONDS AQUIFER FED	SEVERE-SLOW REFILL
DWELLINGS WITH BASEMENTS	NONE: SEVERE-PONDING RARE: SEVERE-FLOODING, PONDING	DRAINAGE	FROST ACTION, PONDING
SMALL COMMERCIAL BUILDINGS	NONE: SEVERE-PONDING, LOW STRENGTH RARE: SEVERE-FLOODING, PONDING, LOW STRENGTH	IRRIGATION	PONDING
LOCAL ROADS AND STREETS	SEVERE-PONDING, LOW STRENGTH, FROST ACTION	TRENCHES AND DIVERSIONS	PONDING
LAWNS, LANDSCAPING AND GOLF FAIRWAYS	SEVERE-PONDING	GRASED WATERWAYS	WETNESS

REGIONAL INTERPRETATIONS  
 FIVE USE AND PAY LINE GROUP 6



M = MULTIPLE TRACT WETLANDS    HSL = HIGHLY ERODIBLE LAND    MW = MINIMAL EFFECT WETLAND (EXEMPT)  
 CA = CONVERTED WETLAND    NHSL = NON-HIGHLY ERODIBLE    MWC, MWH, MWR = SPECIAL CONC. WETLANDS  
 NA = NON-AGRICULTURAL    PC = PRIOR CONVERTED WETLAND    NC = NON-CROPLAND    PHOTO NO.  
 EA = ESTERIFIED WETLAND    ECH = EXEMPT (COMMENCED) CONVERTED WETLAND

NOT TO BE REPRODUCED | CROP  
 SCALE May 1993 | YR.

McLeod

6-10

Dennis Nelson  
 12409 Echo Ave  
 Glencoe, 55336  
 864-4037    Helen Twp Sec 6

40.8  
 T-1515

2453

3287

115.1 ①  
 T-15

5.6 ②  
 T-1515  
 30.9 ③

39.6 ①  
 T-1424

2453

7-294

34.3 ①

37.9 ④

O.T.  
 SIBLEY  
 1992

7.4 ③

12.7 ②

3287

67.6 ①

214.2 ①

27.7 ①

65.1 ③

# Dennis Nelson

MAP OF

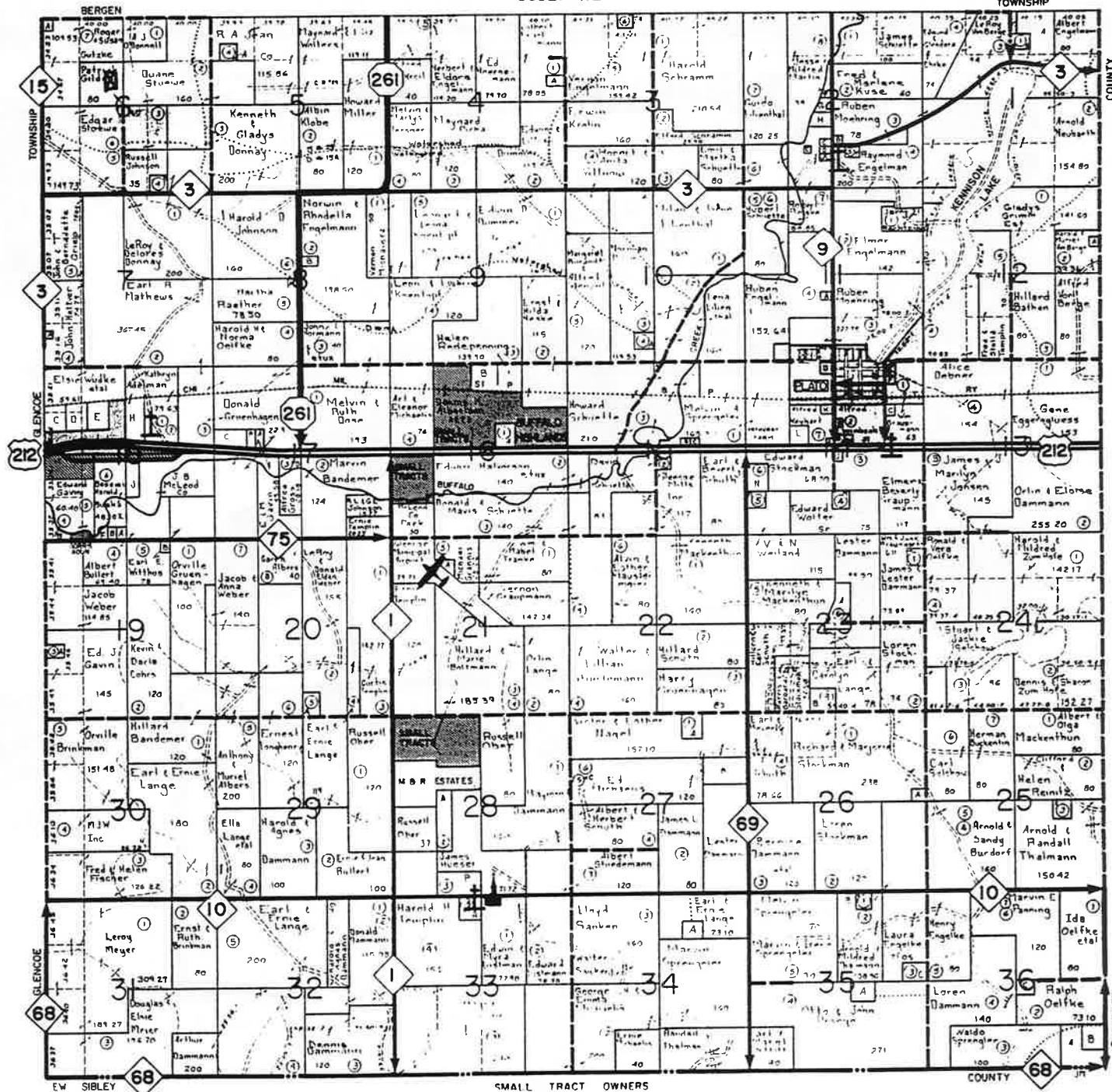
## HELEN



TOWNSHIP: 115 N.

RANGE: 27 W.

CODE: HL



SEE SMALL TRACT SECTION FOLLOWING TOWNSHIP MAPS

ACQUA	HATJONSON	HALE	WHISTED
LEVIN	HASSAN VALLEY	POW VALLEY	BERGEN
FRANK	TRATED	GLENFIE	HELEN
ROUND	FRANK		



# LABORATORIES, Inc.

P.O. BOX 249, 1126 N. FRONT STREET  
NEW ULM, MN 56073-0249  
PHONE (507) 354-8517 WATS (800) 782-3557 FAX (507) 359-2890



**WE ARE AN EQUAL OPPORTUNITY EMPLOYER**

**Report To: Bob Mathews  
Mathews Farms  
12897 Falcon Ave.  
Glencoe, MN 55336**

**Date: March 16, 1994**

**Work Order: 22-0045**

**Date Received: 03-10-94**

**Page 9 of 17**

**Land Owner: Dennis Nelson**

**Soil Sample Identification ..... #1**  
**Laboratory Number ..... W-247**

**ANALYSES:**

**Organic Matter % ..... 3.3**  
**Bray-I Phosphorus .... ppm ..... ---**  
**Olsen-Phosphorus .... ppm ..... 11**  
**Nitrate Nitrogen .... ppm ..... 44.0**

May 26, 1994  
Form ABC-123

## TOWNSHIP MEETING

At a regular monthly meeting of the Helen Township Board on May 19, 1994 the land spreading of fuel contaminated soil, on Dennis Nelson farm was discussed and voted on with the Boards full approval.

A. Land Treatment site Owner (Site # 1)  
( and mailing address );

Name : Dennis Nelson  
Street/Box : 12409 Echo Ave.  
City, Zip : Glencoe, MN. 55336  
Telephone : 864-3732

B. Township Chairman

Melvin Dose  
Township Chairman  
1082 Hwy. 261  
Plato, 55370  
612-238-3304

Signature :

*Melvin H. Dose*

Date :

*5-31-94*

C. Legal Description of Land Treatment Site :

S.W. 1/4 of N.W. 1/4 of Section 6 Township 115  
Township Name Helen County McLeod Range 27 W

D. Total area for proposed land treatment ( square feet or acres ) : <sup>510</sup>~~THREE~~ ACRES

<b>INVOICE</b>		<b>Customer Name</b> AGASSIZ ENVIRONMENTAL CHISAGO	<b>Billing Code</b> 32PA	<b>PAGE 1</b>
<b>Remit to:</b> MN POLLUTION CONTROL AGENCY FISCAL SERVICES 520 LAFAYETTE ROAD NORTH ST. PAUL MN 55155-4194		<b>Customer Number</b> 0000012685-1	<b>Invoice Number</b> R32-34300002328	<b>Invoice Date</b> 09/30/98
		<b>Amount Due</b> 270.00	<b>Due Date</b> 10/30/98	<b>Amount Enclosed</b>

**Bill to:** AGASSIZ ENVIRONMENTAL CHISAGO  
29385 ISABEL ST  
BOX 412  
CHISAGO CITY MN 55013

Method of Payment: (Check Appropriate Box)  
 Check     Money Order

Please write INVOICE No. on front of check or Money Order. DO NOT MAIL CASH

Please check if address has changed.  
Write correct address on back of stub and enclose with payment.

Please detach the above stub and return with your remittance payable to: MN POLLUTION CONTROL AGENCY

## The State of Minnesota



Federal Tax ID: 41-6007162

### INVOICE

**PAGE 1**

<b>Customer Number</b> 0000012685-1	<b>Billing Code</b> 32PA	<b>Orig. Inv. Date</b>
--	-----------------------------	------------------------

<b>Customer Name</b> AGASSIZ ENVIRONMENTAL CHISAGO	<b>Invoice Number</b> R32-34300002328	<b>Invoice Date</b> 09/30/98	<b>Due Date</b> 10/30/98
---	--	---------------------------------	-----------------------------

Ref Line No.	DESCRIPTION	Date of Service	No. of Units	Unit of Measure	Unit Price	CHARGES/CREDIT
01	TECHNICAL ASSISTANCE	08/01/98	3.00	HRS	90.000	270.00
ATTN BILL STORM RE: LEAK00003899, FORMER JOEL BEST DX STATION, HECTOR EXPEDITED REVIEW & APPROVAL OF ANNUAL MONITORING REPORT						
INVOICE TOTAL:						270.00

IF YOU HAVE ANY QUESTIONS, PLEASE CALL: 651/297-8499  
CONTACT: LINDA CARROLL

**INVOICE**

<b>Customer Name</b> AGASSIZ ENVIRONMENTAL SYSTEMS		<b>Billing Code</b> 32PA	<b>PAGE 1</b>
<b>Customer Number</b> 0000026228	<b>Invoice Number</b> R32-34300001739		<b>Invoice Date</b> 10/29/97
<b>Amount Due</b> 405.00	<b>Due Date</b> 11/28/97	<b>Amount Enclosed</b>	

to:  
 POLLUTION CONTROL AGENCY  
 FISCAL SERVICES  
 520 LAFAYETTE ROAD NORTH  
 ST. PAUL MN 55155-4194

**Bill to:** AGASSIZ ENVIRONMENTAL SYSTEMS  
 10600 UNIV AVE NW  
 COON RAPIDS MN 55448

Method of Payment: (Check Appropriate Box)  
 Check  Money Order

Please write INVOICE No. on front of check or Money Order. DO NOT MAIL CASH

Please check if address has changed.  
 Write correct address on back of stub and enclose with payment.

Please detach the above stub and return with your remittance payable to: MN POLLUTION CONTROL AGENCY

**The State of Minnesota**



**INVOICE**

**PAGE 1**

Federal Tax ID: 41-6007162

<b>Customer Number</b> 0000026228	<b>Billing Code</b> 32PA	<b>Orig. Inv. Date</b>
--------------------------------------	-----------------------------	------------------------

<b>Customer Name</b> AGASSIZ ENVIRONMENTAL SYSTEMS	<b>Invoice Number</b> R32-34300001739	<b>Invoice Date</b> 10/29/97	<b>Due Date</b> 11/28/97
---	--	---------------------------------	-----------------------------

Ref Line No.	DESCRIPTION	Date of Service	No. of Units	Unit of Measure	Unit Price	CHARGES/CREDIT
01	TECHNICAL ASSISTANCE	09/01/97	4.50	HRS	90.000	405.00
ATTN: JOHN LANDWEHR RE: LEAK00003899, FORMER JOEL BEST DX STATION, HECTOR EXPEDITED REVIEW AND APPROVAL OF REMEDIAL INVESTIGATION/ CORRECTION ACTION DESIGN.						
INVOICE TOTAL:						405.00

IF YOU HAVE ANY QUESTIONS, PLEASE CALL: 612/297-8499  
 CONTACT: LINDA CARROLL

RECEIVED



Minnesota Pollution Control Agency

520 Lafayette Road North
Saint Paul, Minnesota 55155-4194

JUL 28 1997

MPCA, HAZARDOUS WASTE DIVISION
April 1996

Voluntary Petroleum Investigation and Cleanup Program
Application/ Request for Assistance Form

Fact Sheet 5.3

Complete this form to request assistance from the Minnesota Pollution Control Agency (MPCA) staff in the Voluntary Petroleum Investigation and Cleanup (VPIC) Program. If you have any questions about the services offered by the VPIC Program or this form, please contact Laurie Kania at (612) 297-8600 or Bassou Oulgot at (612) 297-8597. The MPCA can also be reached toll free at 1-800-657-3864.

Mail or fax the completed form to: Laurie Kania
VPIC Program
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194
fax: (612) 297-8676

Applicant\*

Name John Landwehr
Organization Agassiz Environmental Systems
Address 10600 University Avenue NW, Suite 3A
City Coon Rapids
State MN ZIP code 55448
Phone 767-2525
State Taxpayer ID 1257188
Federal Employer ID 41-1694033
Social Security #
(if an individual)

Subject Property

Name Former Best DX Station
Address 100 Main Street
City (or Township) Hector
ZIP code 55342 County Renville
MPCA ID # 3899

Current Property Owner (if different from applicant)

Name Joel Best
Organization
Address Route 1 Box 181c
City Hector
State MN ZIP code 55342

\* The applicant is the individual seeking technical assistance and/or a liability assurance letter from the VPIC Program. The applicant is responsible for payment of MPCA costs to provide services as requested by application.

(continued on back)

Application/Request for Assistance Form — page 2

**Applicant's Interest**

- Property owner
- Considering purchasing property
- Responsible party (as defined under Minn. Stat. 115C)
- Mortgagee interest in property
- Renting or leasing property
- Other (explain)  
*consultant*

**Service applicant is requesting**

- Expedited review of a petroleum contamination investigation and/or cleanup.  
MPCA ID# LEAK0000 3899
- Review of a development response action plan.  
MPCA ID# LEAK0000 \_\_\_\_\_
- Leak site Tank Removal *Verification* letter.  
MPCA ID# LEAK0000 \_\_\_\_\_
- Leak site File Closure *Confirmation* letter.  
MPCA ID# LEAK0000 \_\_\_\_\_
- Off-site Tank Release *Determination* letter.  
Suspected source MPCA ID# LEAK0000 \_\_\_\_\_
- General *Liability* letter.
- Other technical assistance not specified above (please describe on a separate sheet).

**Authorization and Agreement to Pay for Services**

I hereby request the MPCA VPIC staff to provide services to me and the company/organization I represent, as requested by this application. I understand that if an expedited review of a leak site is the required service, VPIC staff will retain review authority until the site file is closed or until the date they receive a written request from me to cease VPIC review. I understand that I will be billed for these services at the rate of \$60.00 per hour and that I am required by Minn. Stat 115C.03, subd. 9 (as amended by Minn. laws, 1994) to reimburse the MPCA for the Agency's costs, as determined by the MPCA Commissioner. I further understand that legal or administrative action may be initiated against me by the State of Minnesota if I do not reimburse the MPCA.

I hereby agree to pay the costs of the MPCA to provide services to the applicant as requested in this application. Furthermore, I hereby certify that I have the authority to submit this application on behalf of the applicant named herein.

Name John Landwehr Signature *John Landwehr*  
 Title General Manager Date 5-23-97



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

LMK

Site: Joel Best Property  
Site ID#: LEAK00003899  
Applicant: Joel Best  
Date Commerce Received Application: October 14, 1997

1. Eligibility Determination

I hereby determine that the corrective action described in the application was appropriate in terms of protecting public health, welfare, and the environment and that the applicant is eligible for Petrofund reimbursement, pursuant to Minn. Stat. § 115C.09, subd. 2, items (a) and (c) (1996).

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

Information readily available to the Minnesota Pollution Control Agency staff shows that the applicant has complied with the applicable requirements of Minn. Stat. § 115C.09, subd. 3(I) (1996) with the following exceptions:

-At the time of the release, regular inventory control and tank tightness testing measures were not taken and/or leak detection equipment was not installed on the underground petroleum storage tank system as required by Minn. R. 7150.0300-.0340 and/or 40 CFR § 280.40-41.

DATE TANK LEAK DETECTION REQUIRED: December 22, 1989


Reimbursement Reduction Recommendation:

Because the leak detection compliance failure noted above failed to mitigate the release from the tank system, the Minnesota Pollution Control Agency staff recommends a 15 percent reimbursement reduction in accordance with Minn. Stat. § 115C.09, subd. 3(I) (1996) and Minn. R. 2890.0065 subp. 1, item A(2).

3. Conclusion

The determinations in this report are made solely for the purpose of determining eligibility for reimbursement under Minn. Stat. § 115C.09, subsd. 2 and 3 (1996). Nothing in this site report releases any person from liability, and the Minnesota Pollution Control Agency does not waive any of its authority to require additional corrective action at the above-referenced site or to enforce other provisions of state law.

Dated: 11/7/97

  
Mark Schmitt  
Supervisor  
Tanks and Emergency Response Section

**STATE TANKS, FEDERAL TANKS (cont.)**

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

**FEDERAL TANKS**

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

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

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

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

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

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

Applicable for pressurized piping installed after 12/22/88. Pressurized piping installed before 12/22/88 must have leak detection by 12/22/90.

Adequate X Inadequate Recommend Reduction? Yes X No \_\_\_\_\_

Comments no leak detc. for tanks

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

Completed by: Kellya Ryan Date: 10-31-97 10/2/96

# Petroleum Tank Release Compliance Checklist

SITE NAME \_\_\_\_\_ LEAK0000 \_\_\_\_\_  
USE THE FOLLOWING GUIDELINES TO DETERMINE IF THE LEAKING TANK IS IN COMPLIANCE

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

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

X \_\_\_\_\_ FEDERALLY REGULATED TANKS.....are all USTs not specified above.

STATUS OF RESPONSIBLE PARTY: Regular Applicant ✓ Limited Use Applicant \_\_\_\_\_

## UNREGULATED TANKS, STATE TANKS, FEDERAL TANKS

Release Notification: Date release discovered: MPCA \_\_\_\_\_ Petro App 9-25-87  
Date release reported: MPCA 9-25-87 Petro App 9-25-87  
When/how was release discovered? Tank excavation  
Was there environmental damage due to delay? Yes \_\_\_\_\_ No X  
X Adequate \_\_\_ Inadequate Recommend Reduction? Yes \_\_\_ No X  
Comments: \_\_\_\_\_  
Cooperation Issues: Yes \_\_\_\_\_ No X  
If Yes, please prepare a narrative to be appended to the Commissioner's Site Report.

## STATE TANKS, FEDERAL TANKS

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

6045

OFFICE USE ONLY:

LEAK # 3899 PHASE 1  
 ENTERED 10/15/97 JLC

State of Minnesota

OCT 14 1997

Dept. of Commerce

MINNESOTA PETROLEUM TANK RELEASE COMPENSATION BOARD  
 APPLICATION FOR REIMBURSEMENT

I. APPLICANT INFORMATION

Name Jack Best  
 Mailing Address Rt #1 Box 181C  
 City Wector State MN Zip 55342  
 Contact Person (if different from above "Name") \_\_\_\_\_  
 Day Phone (320) 848-2266 Ext: \_\_\_\_\_ Fax 320-848-2206

Check One:  Responsible Person  
 Volunteer  
 Non-Responsible Person  
 (see Application Guide)

Check One:  Corporation  
 Partnership  
 Individual  
 Municipality  
 State, federal, or other public agency

1/1/83 to 5/22/96 Dates applicant owned or operated tank(s) [complete if "Responsible Person" box is checked]  
1/1 to 1/1 Dates applicant owned property [complete if "Volunteer" box is checked]

II. LEAK SITE INFORMATION

3899 Petrofund Leak Number Stacey Hendry MPCA Project Manager  
 Tank Facility Name Best DX  
 Address 100 Main Street - Ash Avenue  
 City Wector MN Zip 55342  
 Day Phone (320) 848-2266 County of Leak Site: Penville

9/25/87 Date petroleum leak detected  
9/25/87 Date petroleum leak reported to MPCA  
 Yes  No Is tank leak on personal residential property?  
150 cubic yards Total amount of contaminated soil excavated at this site  
 \_\_\_\_\_ ppm Range of soil contamination concentration (total hydrocarbons)  
 \_\_\_\_\_ ppb Range of groundwater contamination concentration (total hydrocarbons)

III. ASSIGNMENT CERTIFICATION / TERMINATION

CHECK ALL THAT APPLY:  
 Petrofund Assignment Agreement for this application has been executed (attach original of new assignment form)  
 Assignment form is already on file with the Department of Commerce  
 List Assignees: \_\_\_\_\_  
 Not applicable

**IV. APPLICATION PHASE**

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

Preremoval site assessment

\_\_\_\_/\_\_\_\_/\_\_\_\_ Date of assessment report  
 \_\_\_\_/\_\_\_\_/\_\_\_\_ Date of property sale, if applicable

Phase 1 **Soil Corrective Action Costs or Remedial Investigation Costs**

8/9/96 Date of MPCA soil treatment letter (attach copy)

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

\_\_\_\_/\_\_\_\_/\_\_\_\_ Date of CCAP/CAD approval letter (attach copy)  
 \_\_\_\_/\_\_\_\_/\_\_\_\_ 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) \_\_\_\_\_

How was the release discovered? Leaking UST's  
Tank Excavation

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

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: \_\_\_\_\_

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

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

**VI. TYPE OF REMEDIATION SYSTEM**

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

**Soil Remediation Technologies**

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

**Groundwater Remediation Technologies**

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

**VII. COMPETITIVE BIDDING**

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

Attach copies of all signed and dated bids/proposals.

	Bidder Selected*	Name	Amount of Bid	Date of Bid	Task
Consultants	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
Contractors	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				

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

**VIII. MPCA TANK INFORMATION AND COMPLIANCE**

Yes  No Have you submitted an underground storage tank audit?

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

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

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

Tank #	Petroleum Product	Capacity	Tank Material	Date Installed	Date Registered	Date Removed (if applicable)
1	Gas	1000	Steel	1-1-00	6-7-5-94	5-22-96
2	Gas	1000	Steel	1-1-00		
3	Gas	1000	Steel	1-1-00		
4	Gas	8000	S.F.O-P3	1-1-83		
5	Gas	8000	S.F.O-P3	1-1-83		

**TANKS**

Tank #	Leak Detection (select method below)	Corrosion Protection (select method below)	Spill Bucket (Yes/No)	Overflow Protection (select method below)
1	1	1		1
2	1	1		1
3	1	1		1
4	1	3		1
5	1	3		1
<b>Leak detection method (select all that apply):</b> 1. None 2. Inventory control plus annual tightness testing 3. Inventory control plus tightness testing every 5 years 4. Manual tank gauging 5. Manual tank gauging plus annual tightness testing 6. Manual tank gauging plus tightness testing every 5 years 7. Statistical inventory reconciliation (SIR) 8. Automatic tank gauging 9. Interstitial monitoring 10. Vapor monitoring 11. Ground water monitoring 12. Other (specify): _____		<b>Corrosion protection method:</b> 1. None 2. Fiberglass, jacketed steel or composite tank 3. STI-P 3 tank 4. Anodes installed 5. Impressed current system 6. Lined tank 7. Other (specify): _____		<b>Overflow protection method:</b> 1. None 2. Ball float valve 3. Automatic shutoff 4. Audible alarm 5. Other (specify): _____

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

## PIPING

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

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

Agrosity Identify MPCA-certified tank removal contractor who performed tank excavation  
 # 00277 Tank removal contractor's MPCA certification number

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

In describing your secondary containment, specify:

- ◆ materials used to construct both the base and the walls, including type and thickness of materials (e.g., 6" compacted clay; 30 mil HDPE; reinforced concrete slab floor/concrete block walls; none)
- ◆ how material specifications are known (e.g., permeability tests/dates, installation specifications)
- ◆ whether the volume of the secondary containment area is adequate for the contents of the largest tank (Yes/No)

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

# ATTACHMENT A STANDARDIZED INVOICE SUMMARY

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

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

STANDARDIZED INVOICE SUMMARY	
Preremoval Site Assessment.....	\$ _____
Underground Storage Tank Removal Assessment .....	\$ <u>30,525.00</u>
Initial Site Assessment.....	\$ <u>232,135</u>
Additional Site Assessment .....	\$ <u>560,730</u>
Remedial Investigation / Corrective Action Design Report .....	\$ <u>197,640</u>
Remedial Design / Maintenance .....	\$ _____
Contractor Services.....	\$ _____
 TOTAL .....	 \$ <u>1,295,745</u>
Insurance Reimbursement (subtract) -	\$ ( _____ )
=	\$ _____
	x 90%*
TOTAL REIMBURSEMENT REQUEST =	\$ <u>1,166,170</u>

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

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

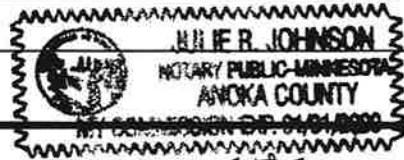


XI. CERTIFICATION PAGE\* (See Application Guide.)

"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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete.

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

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



APPLICANT SIGNATURE(S) (SIGNATURE(S) REQUIRED)

Applicant name (print/type) JOEL J BEST Subscribed and sworn to before me this 8th day of August, 1997. Applicant signature [Signature] Notary Public [Signature] Date signed 8-13-97 My commission expires 1-1-2000

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 \_\_\_\_\_."

Signature \_\_\_\_\_ Name (please print) \_\_\_\_\_ Title (See Application Guide, Part X) \_\_\_\_\_ Date \_\_\_\_\_

CONSULTANT SIGNATURE(S) (SIGNATURE(S) REQUIRED)

I, JOHN LANDWEHR, confirm that all costs claimed by AGASSIZ ENVIRONMENTAL as a part of this application are a true and accurate account of services performed.

[Signature] /GENERAL MANAGER Consultant Signature Title Date

I, \_\_\_\_\_, confirm that all costs claimed by \_\_\_\_\_ as a part of this application are a true and accurate account of services performed.

Consultant Signature Title Date

\* 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