

STATE OF MINNESOTA

Department of Public Safety - Division of Emergency Management
444 Cedar St. Suite 223 St. Paul, MN 55101

MINNESOTA DUTY OFFICER

Report #: 85098 Report Date: 10/5/2006 Report Time: 8:44 DO#: 50

CALLER INFORMATION

Contact: Ralph Larson Company: Larson Oil Co.
Address: PO Box 308
City Hector State: MN Zip 55342-
Phone: (320) 848-6251 Ext: Alt phone: Ext:
Have local police and/or fire been notified?

#16603

NARRATIVE

Caller reports that petroleum smell was observed (olfactory) while removing tanks. Caller also reports that water at bottom of hole was clean.
L# 3900 - Phillips 66 - open 87, closed 04 - MEK (Both). Found during adjacent investigation. 1st closed 95 after PM belt no evidence of release, then re-opened 96. R in 03 cont found & defunct in gas station area also 500g/l diesel LST at east end.
▽, PCS.

T#9504 - Ralph Larson Oil Co. - remind 2 gas USTs (alcohol gas) - notice on 10/6p

INCIDENT REPORT: TANK

RESPONSIBLE PARTY/PROPERTY OWNER SITE LOCATION
Name: Ralph Larson Name: Larson Oil Co
Company: Larson Oil Co. Address: 101 Main St
Address: PO Box 308 City HECTOR
City Hector State M Zip 55342- County RENVILLE Zip 55342-
Phone: (320) 848-6251 Ext Alt phone: Ext

ENTERED OCT 10 2006

SITE INFORMATION

Discovery date 10/5/2006 Discovery time: 12:30 Previously reported site? NO Leak #: 0

TANK INFORMATION

Number/Size of Tank(s) Tank Contents Age of Tank(s) Type of Tank
1 @ 10000 gasoline 20 years U.S.T. - Steel

Native soil type: clay Surface water nearby? No
Cause of Release Discovery UST Facility Site water source: Municipal
Contaminated soil excavated? No Quantity Able to dig out contamination?
Ground water encountered? No Depth to ground water: unk
Free product found? No Stained soils? No Petroleum odors? Yes
Highest vapor reading: na Analytical results: pending

If this incident involves an A.S.T. is there secondary containment around the tank

If not tank related, specify Release Source and Product Type

PM N/A L# 16603

ANY QUESTIONS - PLEASE CONTACT THE MN DUTY OFFICER AT 651-649-5451 OR 800-422-0798
5 tanks recommended
7/06 - inspection w/ Bob Dwilinger. Site w closed, only doing some work in back garage. Tanks empty according to owner but no stick to verify - Ralph Larson - new owner doesn't think will use them
9/06 - failed CP test both tanks lines, 9/06 notice that tanks will be removed

MPCA Project Manager: _____

Leak Number: _____

In:	Out:	Link:	Date:	Time:	Agency:	County:	Method of Cont
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10/5/2006	9:01	MPCA Metro		Fax

Narrative: _____



Minnesota Pollution Control Agency

Marshall Office

November 27, 2007

Mr. Ralph Larson
Larson Oil Company
PO Box 308
Hector, Minnesota 55342

RE: Petroleum Tank Release/No Corrective Action Required
Site: Larson Oil Company, 101 Main Street, Hector
Site ID#: LEAK00016603

Dear Mr. Larson:

The Minnesota Pollution Control Agency (MPCA) Remediation Division staff has reviewed the limited data provided by you in the *General Excavation Report Worksheet*, dated November 1, 2007, for the above-referenced site.

The report provides documentation of petroleum contamination detected during the performance of the tank excavation. The two underground storage tanks were 10,000 gallons in capacity and contained gasoline.

Based on the levels of contamination reported, the MPCA staff will not require an additional investigation or corrective action at this time for the petroleum contamination described above. MPCA staff reserves the right to reopen this file and require additional work if in the future more work is determined by MPCA staff to be necessary. If you, or other parties later come upon any evidence of contamination other than what was previously reported, you are required by Minnesota law to notify the MPCA immediately.

The contents of this letter only refer to information reported to the MPCA staff for the activities described above. This letter does not address other types of contamination that may be present at the subject property. This letter does not release any party from liability for the petroleum contamination under Minn. Stat. § 115C. (2006), or any other applicable state or federal law.



November 27, 2007

Mr. Ralph Larson
Larson Oil Company
PO Box 308
Hector, Minnesota 56122

RE: Petroleum Tank Release/Contingency Action Reporting
Site: Larson Oil Company, 101 Main Street, Hector
Site ID: LALCO0015003

Dear Mr. Larson:

The Minnesota Pollution Control Agency (MPCA) Remediation Division staff has
received the limited data provided by you in the General Investigation Report Worksheet
closure log dated 11/16/07 for the above-referenced site.

Minnesota Department of Commerce Petrofund Staff

Mr. Brad Burke, Enviro-Risk
Mr. Mark Erickson, Renville County
Mr. Ken Rodmyre, Hector Fire Chief
cc: Mr. Matt Jaunich, Hector City Administrator

Based on the levels of contamination reported in the MPCA staff will not require an
investigation or corrective action at this time for the petroleum contamination
described above. MPCA staff reserves the right to reopen this file and require additional
work if work is determined by MPCA staff to be necessary. If you or
Remediation Division
Marshall Office
Project Manager
Nancy Hennen Blomme

The content of this letter only refers to information reported to the MPCA staff for the
above-referenced site. It does not address other types of contamination that
may be present at the site. If you have any questions regarding this letter, please
contact me at 507-537-6375.

Nancy Hennen Blomme
Sincerely,

If you have any questions regarding the contents of this letter, please contact me at 507-537-6375.

Mr. Ralph Larson
Page Two
November 27, 2007

GD 3-02
EXREP**Hennen, Nancy**

From: Milless, Don
Sent: Wednesday, August 08, 2007 3:55 PM
To: Hennen, Nancy
Subject: Call from Ralph Larson, Leak 16603

Nancy,
I received a call from Ralph Larson (Leak #16603). He indicated that he faxed "the test results" to you on 7/16/07, but had not heard from you. I checked the Reporting Tab and did not see and reports entered. Can you check to see if you received anything, and call Ralph to let him know (320-848-6251).

We talked for quite awhile about an Excavation Report form that later on I noticed in Remarks you had a similar conversation with him. I suspect he probably did not submit a completed EXRep, but just lab data.

Good Luck.
Don

8/8/2007

L# 16603

FAX

RALPH LARSON CHEVROLET, INC.

531 SOUTH MAIN ST.
HECTOR, MN 55342

FAX: 507-537-6001

ATTN: Nancy

FROM: Ralph & Larson

MESSAGE: Its time to get the
process started

FAX: 320-848-2521

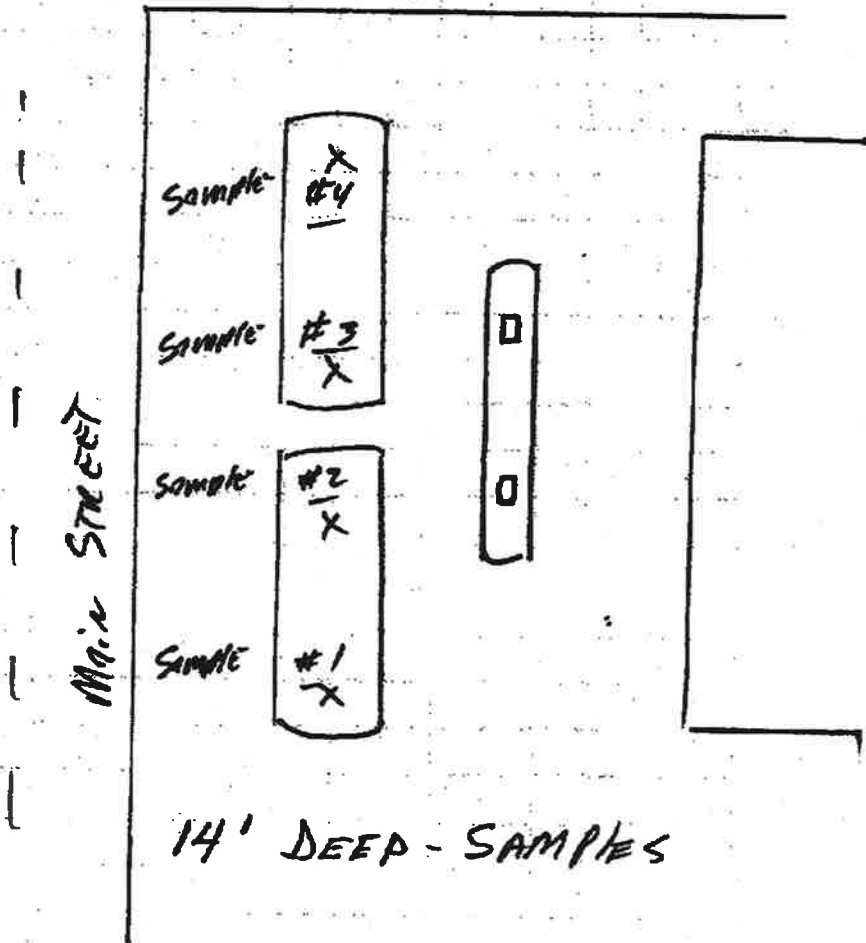
PHONE: 320-848-6251



**PETROLEUM
EQUIPMENT CO.**

P.O. Box 85, Morris, MN 56267
Ph. (320) 589-9017

Service & Installation • Bulk & LP Plants • NH3 • Fert. Systems • LP & Bulk Truck Repair



HERE IS LOCATION OF SAMPLES
TAKEN ON SITE



John Schultz
H - 320-589-2362

Joe McNally
H - 320-589-2827

02/28/2007 15:44

218-7414291

NE TECH SERV

PAGE 02

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Laboratory Results

Northeast Technical Services

315 Chestnut Street
 PO Box 1142
 Virginia, MN 55702
 Phone: 218-741-4200
 Fax: 218-742-1010

MDH Certification: 027-137-157

NTS COC: 72574

Received: 10/5/2006

Client: - CMS


Project: 7588 - CMS

Sampled By: Client

Report Date: 2/20/2007

Rec'd Temperature: 4.3 °C

Approved by:


 Renee Stone

NTS Comments: No Moistures received

CMS
 Attn: John Schultz
 P.O. Box 86
 Morris, MN 56207

NTS Sample: 116573
 Description: 1-Hector
 Sample Date: 10/4/2006 12:00:00 PM

Matrix: Non-Aqueous
 Sample Type: Grab

Notes: Sample results based on wet weight.

Analyte	Result	Units	RL	DIL	Method	Analysis Date	Analyst
Benzene	140	µg/Kg	130	1	EPA 8021	10/17/2006	CSD
Ethyl Benzene	130	µg/Kg	88	1	EPA 8021	10/17/2006	CSD
GRO	9.1	mg/Kg	6.3	1	WI(96) GRO	10/17/2006	CSD
Toluene	160	µg/Kg	130	1	EPA 8021	10/17/2006	CSD
Xylene, Total	1100	µg/Kg	250	1	EPA 8021	10/17/2006	CSD

*This report may not be reproduced, except in full, without written consent of NTS Laboratory.
 Results apply only to the sample received. Results for solid matrices are based on dry weight, unless noted. Analysis was performed in accordance with methods approved by the US EPA and the
 Minnesota Department of Health, where applicable, unless noted in the report.*

02/20/2007 15:44

218-74142

NE TECH SERV

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NTS Sample: 116574

Matrix: Non-Aqueous

NTS COC: 72574

Description: 2-Hector

Sample Type: Grab

Client: - CMS

Sample Date: 10/4/2006 12:00:00 PM

Project: 7888 - CMS

Notes: Sample results based on wet weight.

Sampled By: Client

Report Date: 2/20/2007

Analyte	Result	Units	RL	DIL	Method	Analysis Dat	Analyst
Benzene	250	µg/Kg	140	1	EPA 8021	10/17/2006	CSD
Ethyl Benzene	310	µg/Kg	98	1	EPA 8021	10/17/2006	CSD
GRO	27	mg/Kg	7.7	1	WI(95) GRO	10/17/2006	CSD
Toluene	310	µg/Kg	140	1	EPA 8021	10/17/2006	CSD
Xylene, Total	2800	µg/Kg	280	1	EPA 8021	10/17/2006	CSD

02/20/2007 15:44 218-741425

NE TECH SERV

PAGE 04

Page 3 of 4

NTS Sample: 116676

Matrix: Non-Aqueous

NTS COC: 72674

Description: 3-Hector

Sample Type: Grab

Client: - CMS

Sample Date: 10/14/2008 12:00:00 PM

Project: 7569 - CMS

Notes: Sample results based on wet weight.

Sampled By: Client

Report Date: 2/20/2007

Analyte	Result	Units	RL	DIL	Method	Analysis Dat	Analyst
Benzene	<150	µg/Kg	150	1	EPA 8021	10/14/2008	CSD
Ethyl Benzene	<100	µg/Kg	100	1	EPA 8021	10/14/2008	CSD
GRO	<7.3	mg/Kg	7.3	1	WI(95) GRO	10/14/2008	CSD
Toluene	<150	µg/Kg	150	1	EPA 8021	10/14/2008	CSD
Xylene, Total	<200	µg/Kg	200	1	EPA 8021	10/14/2008	CSD

NTS Sample: 118576

Matrix: Non-Aqueous

NTS COC: 72574

Description: 4-Hactor

Sample Type: Grab

Client: - CMS

Sample Date: 10/4/2006 12:00:00 PM

Project: 7585 - CMS

Sampled By: Client

Notes: Sample results based on wet weight.

Report Date: 2/28/2007

Analyte	Result	Units	RL	DIL	Method	Analysis Dat	Analyst
Benzene	<150	µg/Kg	150	1	EPA 8021	10/14/2006	CSD
Ethyl Benzene	<110	µg/Kg	110	1	EPA 8021	10/14/2006	CSD
GRO	<7.6	mg/Kg	7.6	1	WI(95) GRO	10/14/2006	CSD
Toluene	<150	µg/Kg	150	1	EPA 8021	10/14/2006	CSD
Xylene, Total	<310	µg/Kg	310	1	EPA 8021	10/14/2006	CSD



Northeast Technical Services, Inc.

315 Chestnut Street
 P.O. Box 1142
 Virginia, Minnesota 55792
 Phone: 218-741-4290
 Fax: 218-742-1878

Micro Laboratory
 7051 Lonsdale Avenue
 Cottage, MN 55301
 Phone: 763-487-9111
 Fax: 763-487-9363

Page 0009 of 12574
 Date Due:

CHAIN OF CUSTODY RECORD

Client Information

Client: **PMS**

Contact Person: **PO Box 85**

Address: **Menos MA-50267**

Phone: **48150 210 457**

Fax: **320-589-9017**

Project Information: **HEAVY (Hector)**

Lab Use Only

Report for: **PMS**

Address: **PO Box 85**

Sample No: **PMS**

Address: **Menos MA-50267**

Laboratory ID	Sample Description	Collection		Matrix		Type		Analysis Requested	Comments
		Date	Time	Liquid	Solid	Sub	Sup		
116573	#1 HEAVY	10-4	12:00	X		X			No Moistures
111574	#2 HEAVY	10-4	12:00						REDUCED CMB'S
110575	#3 HEAVY	10-4	12:00						
110574	#4 HEAVY	10-4	12:00						

Sampled By: **Tom Swartz**

Date: **10-4-06**

Time: **10:00**

Prepared By: **Charles A. Nelson**

Date: **10-5-06**

Time: **10:00**

Reviewed By: **W. Woods**

Date: **10-5-06**

Time: **11:15**

Subsampled By:

Date: **10-5-06**

Time: **10:00**

Temperature on Arrival: **4.3**

On Ice: **X**

SPD, BTEX MKS



Minnesota Pollution Control Agency

520 Lafayette Road North | St. Paul, MN 55155-4194 | 651-296-6300 | 800-657-3864 | 651-282-5332 TTY | www.pca.state.mn.us

October 16, 2006

Mr. Ralph Larson
Larson Oil Company
P.O. Box 308
Hector, MN 55342

RE: Storage Tank Release Investigation and Corrective Action
Site: Larson Oil Company, 101 Main Street, Hector, Renville, 55342
Site ID#: LEAK00016603

Dear Mr. Larson:

Notice of Release

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

Legal Obligations

Federal and state laws require that persons legally responsible for storage tank releases notify the MPCA of the release and/or discovery of contamination, investigate and, if necessary, clean up the release(s)/contamination. A person is considered legally responsible for a petroleum tank release if the person owned or operated the tank either during or after the release, unless specifically exempted under the law. For releases of other substances, a person is considered legally responsible if the substance discharged was under the control of the person at the time of the discharge or release or if the person was an owner or operator of the storage tanks and/or tank facility at the time the release occurred. If you believe that you are not legally responsible for this storage tank facility release, please contact the project manager listed below.

Request to Take Corrective Action

The MPCA requests that you take steps to investigate and, if necessary, clean up the release(s)/contamination in accordance with the enclosed MPCA guidance documents. The site investigation must fully define the extent and magnitude of the soil and/or ground water contamination caused by the release(s)/contamination. For petroleum release sites, the MPCA has guidance documents that will help you or your consultant properly investigate the release and report the results to the MPCA. Unless your site is considered "high priority" (see below), you must submit a report to this office which details the results of the investigation or concludes that excavation was sufficient to clean up the release within 10 months of the date of this letter. The MPCA reserves the right to reject proposed corrective actions if the requirements of the site investigation have not been fulfilled. Refer to the following web site for related guidance documents and information, http://www.pca.state.mn.us/programs/lust_p.html. For sites contaminated by pollutants other than petroleum, the MPCA requests that you or your consultant contact the MPCA project manager listed to discuss the investigation and reporting timeline that will be required for your site.

The MPCA considers sites with "free product" (free-floating petroleum) that have affected or that threaten to affect drinking water supplies, sites where pollutants are being released to surface waters such as lakes or wetlands, sites where petroleum or other vapors have been detected within structures or that pose fire or explosion hazards, to be high priority for staff review. If one or more of these situations apply to your petroleum or non-petroleum facility, an Investigation Report Form (refer to guidance documents) must be submitted within 90 days. The MPCA reserves the right to reject proposed corrective actions if the requirements of the site investigation have not been fulfilled. In addition, if you know or discover that there is free product in a well, excavation, or borehole, you must notify the MPCA within 24 hours and IMMEDIATELY begin interim free product recovery (refer to guidance documents). If you have any question as to whether your site is high priority, please contact the MPCA project manager listed below.

Please review your insurance plan and contact your insurance carrier immediately after receiving this letter. Your insurance may cover this release. However, your insurance coverage may be affected by how quickly you notify your carrier.

Reimbursement for petroleum sites:

In 1987, the legislature established the Petroleum Tank Release Compensation Fund (Petrofund) to reimburse some responsible persons and volunteers (property owners not responsible for releases) who take corrective action for a portion of their costs. The Petrofund is administered by the Petroleum Tank Release Compensation Board (Petro Board), which is part of the Minnesota Department of Commerce. If the release at your site is a petroleum release, the MPCOA encourages you to learn more about the Petrofund reimbursement program by contacting Petrofund staff at 651/215-1775 or 1/800-638-0418 (in greater Minnesota only), or by reviewing the information that is available at the following website, http://www.pca.state.mn.us/programs/just_p.html. Because there are rules governing eligible costs of cleanup, the MPCOA strongly encourages you to familiarize yourself with the enclosed proposal and invoice forms and the other program requirements in order to maximize the available reimbursement. Please note that final decisions regarding the amount of reimbursement are made by the Petro Board, not the MPCOA.

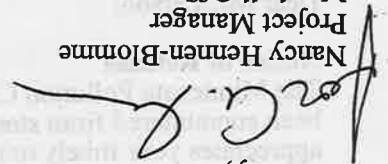
If you have not already done so, the MPCOA recommends that you hire a qualified environmental consulting firm to help you investigate and clean up the contamination on your site. To be qualified, the consultant should have experience in performing investigations of contaminated sites and in developing and implementing corrective actions. For petroleum investigations, the consultant must be registered with the Petro Board if you wish to have your costs considered for reimbursement. A list of registered contractors is available from the Petrofund staff. Please note that, under the Petro Board's rules, (see Minn. R. ch. 2890), you must solicit a minimum of two written competitive consultant proposals on a form prescribed by the Petro Board to incur costs eligible for reimbursement, and a minimum of two written competitive contractor bids must also be obtained for each contractor service. Again, the MPCOA strongly encourages you to contact Petrofund staff for answers to all of your questions about bidding and the other Petrofund reimbursement program requirements.

Required Response

The MPCOA requires that you respond to this letter within 30 days to indicate whether you intend to proceed with the requested work. If you do not respond within this time frame, the MPCOA will assume that you do not intend to comply, in which case the MPCOA Commissioner may issue you an enforceable order that will require you to take corrective action. Failure to cooperate with the MPCOA in a timely manner may result in reduced reimbursement from the Petro Board, see Minn. R. ch. 2890. If you do not cooperate, the MPCOA has the option of taking the corrective actions on your behalf and recovering its costs from you.

If you have any questions concerning this letter or need additional information, please contact me at 507-537-6375. Please reference the above LEAK # in all correspondence. If you are calling long distance, you may reach the MPCOA by calling 1-800/657-3864.

Sincerely,



Nancy Hennen-Blomme
Project Manager
Marshall Office

Remediation Division

NH:ais

Enclosures

cc: Matt Jaunich, Administrative City Clerk, Hector

Robert Rassmussen, Fire Chief, Hector

Martin Larson, Renville County Solid Waste Officer





ENVIRO-RISK
CONSULTING GROUP, INC.

Enviro-Risk Consulting Group, Inc.
1176 Silverwood Bay
St. Paul, Minnesota 55125
Phone: 651.735.7001
Toll Free: 877.735.7001
Fax: 651.735.8003
www.enviro-risk.com

November 1, 2007

Ms. Nancy Hennen
MPCA – Marshall Office
1420 E. College Drive
Suite 900
Marshall, MN 56258

NOV 05 2007
received
Southwest Regional
Office - MPCA - Marshall

**Re: General Excavation Report Worksheet (MPCA Fact Sheet #3-02)
Larson Oil Co.; 101 Main Street, Hector, MN
MPCA LEAK #16603**

Dear Ms. Hennen:

Enviro-Risk Consulting Group, Inc. (Enviro-Risk) is submitting the enclosed General Excavation Report Worksheet for the above referenced leak site for your review. Based on the information collected during UST removal and sampling activities, Enviro-Risk is recommending site closure.

If you have any questions regarding this report, please contact me at 651-735-7001.

Sincerely,

Enviro-Risk Consulting Group, Inc.

Brad M. Burke, PE
Senior Consultant / Principal

c/enc: Mr. Ralph Larson; Larson Oil Co.



Minnesota Pollution Control Agency

NOV 05 2007

Received: _____

General Excavation Report Worksheet

Guidance Document 3-02

Southwest Regional
Office - MPCA - Minnesota

Complete the worksheet below to document excavation and treatment of petroleum contaminated soil removed **prior to** a Site Investigation and/or during tank removals and/or upgrades. If soil is excavated as an MPCA-approved corrective action **after** a Site Investigation is conducted, complete Guidance Document 3-02a *Corrective Action Excavation Report Worksheet*. Conduct excavations in accordance with Guidance Document 3-01 *Excavation of Petroleum Contaminated Soil*. Please type or print clearly. Do not revise or delete text or questions from this report form.

The excavation worksheet 3-02 deadline is 10 months from the date of receipt of the MPCA "Petroleum Storage Tank Release Investigation and Corrective Action" letter. MPCA staff may establish a shorter deadline for high priority sites.

PART I: BACKGROUND

A. Site:

MPCA Site ID#: **LEAK00016603**

Street: **101 Main Street**

City, Zip: **Hector, MN 55342**

County: **Renville**

B. Tank Owner/Operator: **Larson Oil Co.**

Mailing Address:

Street/Box: **PO Box 308**

City, Zip: **Hector, MN 55342**

Telephone: **320-848-6251**

C. Excavating Contractor: **CMS Petroleum Equip**

Contact: **John Schultz**

Telephone: **320-589-9017**

Tank Contractor Certification Number:

D. Consultant: **Enviro-Risk Consulting Grp, Inc.**

Contact: **Brad Burke**

Street/Box: **1176 Silverwood Bay**

City, Zip: **St. Paul, MN 55125**

Telephone: **651-735-7001**

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

Property Owner

F. Site Location Information: Attach Guidance Document 1-03a *Spatial Data Reporting Form* if it has not already been submitted or will not be submitted as part of Guidance Document 4-06 *Investigation Report Form*.

Note: If person other than tank owner and/or operator is conducting the cleanup, provide name, address, and relationship to site on a separate attached sheet.

PART II: DATES

A. Date release reported to MPCA: *10/5/2006*

B. Dates site work performed (tanks removed, piping removed, soil excavation, soil borings, etc.):

Work Performed	Date
<i>UST Removal and Soil Sampling</i>	<i>10/4/06</i>

PART III: SITE AND RELEASE INFORMATION

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

Land use within 1,000 feet of the site is commercial and residential. A railroad track running east-west is located approximately 100 feet north of the site. No surface water bodies are within 1,000 feet of the site.

B. Provide the following information for all tanks removed and any remaining at the site:

Table 1.

Tank #	Tank ** Material	UST or AST	Capacity (gallons)	Contents (product type)	Year installed	Tank Status*	Condition of Tank
<i>1</i>	<i>Steel</i>	<i>UST</i>	<i>10,000</i>	<i>Gasoline</i>	<i>mid-1980s</i>	<i>Removed (10/4/06)</i>	<i>Good</i>
<i>1</i>	<i>Steel</i>	<i>UST</i>	<i>10,000</i>	<i>Gasoline</i>	<i>mid-1980s</i>	<i>Removed (10/4/06)</i>	<i>Good</i>

same tanks as L#3900

*Indicate: *removed (date), abandoned in place (date), or currently used, upgraded tank, installation of new tank.* ** *F for fiberglass or S for Steel*

Notes:

Piping Material (check all that apply): Steel, Fiberglass, Flexible Plastic

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

A pump island which included two dispensers was located adjacent to and east of the UST locations. The condition of the dispensers and associated piping appeared to be in good condition.

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

Suspected source of the release is historical spills / overfills associated with normal retail gasoline operations. Release was discovered as petroleum impacted soil encountered during UST removal.

Check all that apply: Piping, Tank, Dispenser, Pump/Turbine, Spill/Overfill

- E. Identify the cause of the release (tank and/or piping).

Check all that apply: Corrosion, Loose Component, Puncture,
 Mechanical or Physical Damage, Unknown

- F. Identify the method the release was detected.

Check all that apply: Removal, Line Leak Detection, Tank Leak Detection,
 Visual/Olfactory, Site Assessment, Other

- G. Identify any surface soil contamination. ***None***

- H. What was the volume of the release? (if known): ***Unknown*** gallons

- I. Historic contamination present (unknown origin?). Yes, No

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

- K. Describe source of on-site drinking water. ***Municipal Water***

- L. Has the site ever, at any point had an E-85 tank? Yes, No

PART IV: EXCAVATION INFORMATION

- A. Dimensions of excavation(s): Length ***50 ft*** ; Width ***15 ft*** ; Depth ***14 ft***

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

- C. Native soil type (clay, sand, etc.): ***Clay***

- D. Quantity of contaminated soil removed for treatment (cubic yards): ***None***
(Indicate on the site map where the petroleum contaminated soil was excavated)

How many cubic yards of the removed soil was petroleum saturated? ***N/A***
(Indicate on the site map where the petroleum saturated soil was excavated)

[Note: If the volume removed is more than allowed in Guidance Document 3-01 *Excavation of Petroleum Contaminated Soil*, please document MPCA staff approval.]

- E. Were new tanks and/or piping and dispensers installed? (yes/no) If yes, what volume of contaminated soil was excavated to accommodate the installation of the new tanks and piping?

No new tanks were installed

- F. If contaminated soil was removed to accommodate the installation of new tanks and/or piping, show your calculations for the amount of soil removal allowed using Table 3 in Guidance Document 3-01 *Excavation of Petroleum Contaminated Soil*.

Nothing removed - Soil was placed back in the excavation.

- G. Was ground water encountered or a suspected perched water layer or was there evidence of a seasonally high ground water table (i.e. mottling)? (yes/no) At what depth?

Groundwater was not encountered.

- H. If ground water was not encountered during the excavation, what is the expected depth of ground water? 30 ft +

Based on available MGS on-line well / boring logs #102099 & #102062, the native soil is clay or sandy clay to depths in excess of 36 feet. No static groundwater was recorded for these wells / borings. Well #249658 was completed to a depth of 728 feet and indicated a static water level of 32 feet, which is likely under confined conditions. Based on readily available information, the depth of groundwater is expected to be in excess of 30 feet

- I. Additional investigation to determine the need for a Limited Site Investigation is necessary at sites with sandy or silty sandy soil, a water table within 25 feet of the ground surface, and visual or other evidence of soil remaining contamination. See Table 2 in Guidance Document 3-01 *Excavation of Petroleum Contaminated Soil*. If a soil boring is necessary, describe the soil screening and analytical results. Attach the boring logs and laboratory results to this report.
- J. If no soil boring was performed, explain.

Native soil is clay; likely depth of groundwater is 30 feet – therefore no boring required.

- K. If ground water was encountered or if a soil boring was conducted, was there evidence of ground water contamination? (yes/no) Describe this evidence of contamination, e.g., free product (specify thickness), product sheen, ground water in contact with petroleum contaminated soil, water analytical results, etc. **Note:** If you observe free product, contact MPCA staff immediately, as outlined in Guidance Document 2-02 *Free Product: Evaluation and Recovery*.

No groundwater or free product was encountered.

- L. Was bedrock encountered in the excavation? (yes/ no) At what depth?

- M. Were other unique conditions associated with this site? (yes/ no) If so, explain.

PART V: SAMPLING INFORMATION

- A. Briefly describe the field screening methods used to distinguish contaminated from uncontaminated soil: *No field screening or PID readings were obtained.*
- B. List soil vapor headspace analysis results collected during excavation of tanks, lines and dispensers, valves, and transfer locations. (i.e., soils left in place when excavation is complete). Code the samples with sampling depths in parentheses as follows: sidewall samples S-1 (8 feet), S-2 (4 feet), etc.; bottom samples B-1 (13 feet), B-2 (14 feet), removed soil R-1 (4 feet), R-1 (8 feet), etc.; stockpile samples SP-1, etc; line samples L-1, L2, etc.; transfer locations T-1 (4 feet), T-1 (8 feet), etc.; dispensers D-1 (4 feet), etc. **Be sure the sample codes correspond with the site map in part VI, below.**

Sample Code	Soil Type	Reading ppm	Sample Code	Soil Type	Reading ppm
-------------	-----------	-------------	-------------	-----------	-------------

- C. Was the “removed soil” placed back into the excavation basin? (yes/ no)
If no, please complete Part VIII: Soil Treatment Information section. If yes, a Limited Site Investigation is necessary (see Guidance Document 4-01 *Soil and Ground Water Assessments Performed during Site Investigations*).
- D. Briefly describe the soil analytical sampling and handling procedures used:

Soil samples were collected by CMS Petroleum Equipment in laboratory supplied containers and shipped on-ice to NTS Laboratory for chemical analysis of benzene, toluene, ethyl benzene, xylenes (BTEX), and gasoline range organics (GRO).

E. List below all soil sample analytical results from bottom and side wall samples collected after excavation of tanks, lines and dispensers, valves, and transfer locations (i.e., soils left in place when excavation is complete). Code the samples with sampling depths in parentheses as follows: sidewall samples S-1 (8 feet), S-2 (4 feet), etc.; bottom samples B-1 (13 feet), B-2 (14 feet), removed soil R-1 (4 feet), R-1 (8 feet), etc.; stockpile samples SP-1, etc; line samples L-1, L2, etc.; transfer locations T-1 (4 feet), T-1 (8 feet), etc.; dispensers D-1 (4 feet), etc.; **Be sure the sample codes correspond to the site map required in part VI.**

Sample Code	GRO/DRO mg/kg	Benzene mg/kg	Ethylbenzene mg/kg	Toluene Mg/kg	Xylene mg/kg	MTBE mg/kg	Lead mg/kg
<i>B-1 (14 ft)</i>	9.1	0.14	0.13	0.16	1.1	NA	NA
<i>B-2 (14 ft)</i>	27	0.25	0.31	0.31	2.8	NA	NA
<i>B-3 (14 ft)</i>	<7.3	<0.15	<0.10	<0.15	<0.29	NA	NA
<i>B-4 (14 ft)</i>	<7.6	<0.15	<0.11	<0.15	<0.31	NA	NA

Note: Attach copies of laboratory reports and chain of custody forms.

PART VI: FIGURES

Attach the following figures to this report:

1. Site location map.
2. Site map(s) drawn to scale illustrating the following:
 - a. Location of all present and former tanks, piping, and dispensers;
 - b. Location of surface soil contamination
 - c. Location of other structures (buildings, canopies, etc.);
 - d. Adjacent city, township, or county roadways;
 - e. Dimensions of excavation(s), including contour lines (maximum 2-foot contour intervals) to represent the depths of the final excavation(s);
 - f. Location of soil screening samples (e.g. R-1), soil analytical samples (e.g., S-1 or B-1), and any soil borings (e.g., SB-1). Also, attach all boring logs.
 - g. North arrow, bar scale and map legend.
 - h. Provide location of any on-site water wells. If on-site water wells exist, please provide well logs and/or construction diagrams.
 - i. Locations of new tanks, piping and dispensers, if installed.

PART VII: CONCLUSIONS AND RECOMMENDATIONS

Recommendation for site:

- site closure
 additional investigation

Justify the recommendations for the site. If no further action is necessary, the MPCA staff will review this report following notification of soil treatment.

Site closure is recommended based on the following:

- ◆ *Soil impacts are likely localized & stable;*
- ◆ *Groundwater impacts are likely non-existent; No nearby receptors;*
- ◆ *No surface water is threatened;*
- ◆ *No private water supplies are threatened;*
- ◆ *No municipal or industrial water supply wells are threatened;*
- ◆ *Risk for vapor intrusion into on site buildings / utilities is low.*

PART VIII: SOIL TREATMENT INFORMATION

- A. Soil treatment method used (thermal, land application, composting, other). If you choose "other" specify treatment method: *N/A*
- B. Location of treatment site/facility:
- C. Date MPCA approved soil treatment (if thermal treatment was used, indicate date that the MPCA-permitted thermal treatment facility agreed to accept soil):
- D. Identify the location of stockpiled contaminated soil:

PART IX: CONSULTANT (OR OTHER) PREPARING THIS REPORT

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

MPCA staff are instructed to reject unsigned excavation reports or if the report form has been altered.

Name and Title:

Signature:

Date signed:

Brad M. Burke, PE



11/1/07

Company and mailing address:

**Enviro-Risk Consulting Group, Inc.
1176 Silverwood Bay
St. Paul, MN 55125**

Telephone **651-735-7001** Fax: **651-735-8003**

If additional investigation is not necessary, please mail this form and all necessary attachments to the MPCA project manager. If additional investigation is necessary, include this form as an appendix to Guidance Document 4-06 *Investigation Report Form*. **MPCA staff will not review excavation reports indicating a limited site investigation is necessary unless the limited site investigation has been completed.**

Web pages and phone numbers

MPCA staff	http://pca.state.mn.us/pca/staff/index.cfm
MPCA toll free	1-800-657-3864
Petroleum Remediation Program web page	http://www.pca.state.mn.us/programs/lust_p.html
MPCA Infor. Request	http://www.pca.state.mn.us/about/inforequest.html
MPCA Petroleum Brownfields Program	http://www.pca.state.mn.us/programs/vpic_p.html
PetroFund Web Page	http://www.state.mn.us/cgi-bin/portal/mn/jsp/content.do?id=-536881377&agency=Commerce
PetroFund Phone	651-297-1119, or 1-800-638-0418
State Duty Officer	651-649-5451 or 1-800-422-0798

Upon request, this document can be made available in other formats, including Braille, large print and audio tape. TTY users call 651/282-5332 or 1-800-657-3864 (voice/TTY).

Printed on recycled paper containing at least 10 percent fibers from paper recycled by consumers.

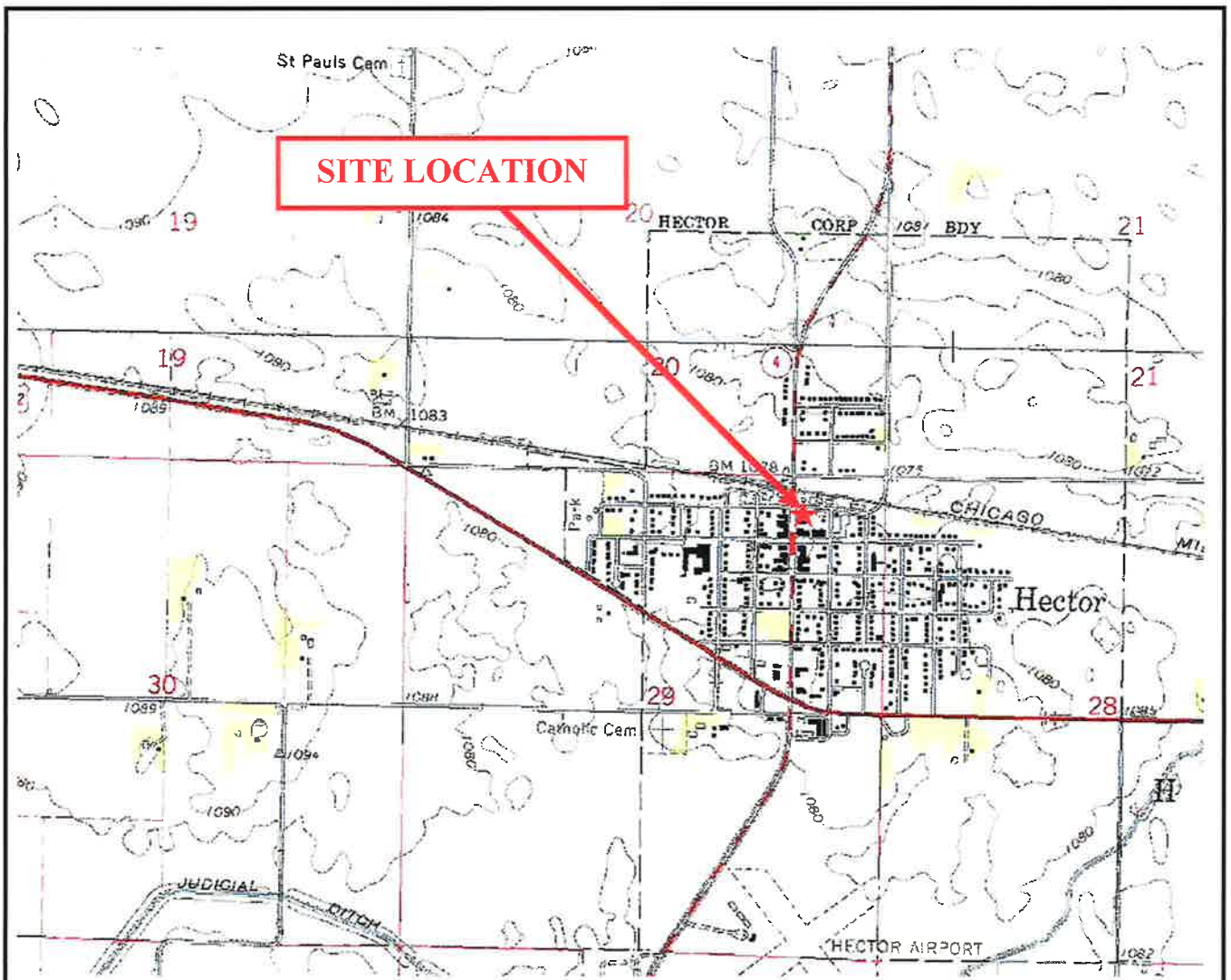


Figure 1
Site Topographic Map
 Larson Oil Company
 101 Main Street
 Hector, MN

N ↑
 Approximate Scale:
 1 inch = 2000 feet

"Do Not Scale Up Drawing"

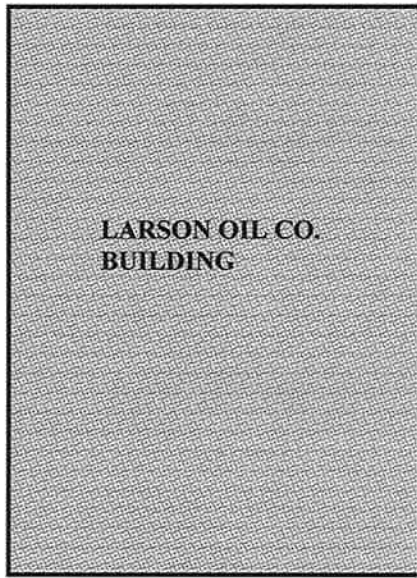
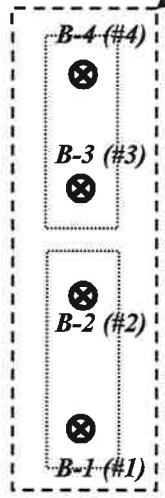


ENVIRO-RISK
 CONSULTING GROUP, INC.

Ash Ave

Main Street

Former UST Locations /
Limits of Excavation



Former Pump Island

⊗ = Soil Sample Location



Approximate Scale:
1 inch = 20 feet

Figure 2
UST Sampling Location Map
Larson Oil Company
101 Main Street
Hector, MN



ENVIRO-RISK
CONSULTING GROUP, INC.



Laboratory Results

Northeast Technical Services

315 Chestnut Street
 PO Box 1142
 Virginia, MN 55792
 Phone: 218-741-4290
 Fax: 218-742-1010

MDH Certification: 027-137-187

NTS COC: 72574

Received: 10/5/2006

Client - CMS

Project: 7588 - CMS

Sampled By: Client

Report Date: 2/20/2007

Rec'd Temperature: 4.3 °C

Approved by:

Renee Stone

NTS Comments: No Moistures received

CMS
 Attn: John Schullz
 P.O. Box 85
 Morris, MN 56267

NTS Sample: 116573

Description: 1-Hector

Sample Date: 10/4/2006 12:00:00 PM

Matrix: Non-Aqueous

Sample Type: Grab

Notes: Sample results based on wet weight

Analyte	Result	Units	RL	DIL	Method	Analysis Dat	Analyst
Benzene	140	µg/Kg	130	1	EPA 8021	10/17/2006	CSD
Ethyl Benzene	130	µg/Kg	88	1	EPA 8021	10/17/2006	CSD
GRO	9.1	mg/Kg	8.3	1	WI(95) GRO	10/17/2006	CSD
Toluene	160	µg/Kg	130	1	EPA 8021	10/17/2006	CSD
Xylene, Total	1100	µg/Kg	250	1	EPA 8021	10/17/2006	CSD

*This report may not be reproduced, except in full, without written consent of NTS laboratory.
 Results apply only to the sample received. Results for solid matrices are based on dry weight, unless noted. Analysis was performed in accordance with methods approved by the US EPA and the
 Minnesota Department of Health, where applicable, unless noted in the report.*

NTS Sample: 116574

Matrix: Non-Aqueous

NTS COC: 72574

Description: 2-Hector

Sample Type: Grab

Client: - CMS

Sample Date: 10/4/2006 12:00:00 PM

Project: 7588 - CMS

Notes: Sample results based on wet weight.

Sampled By: Client

Report Date: 2/20/2007

Analyte	Result	Units	RL	DIL	Method	Analysis Dat	Analyst
Benzene	250	µg/Kg	140	1	EPA 8021	10/17/2006	CSD
Ethyl Benzene	310	µg/Kg	99	1	EPA 8021	10/17/2006	CSD
GRO	27	mg/Kg	7.7	1	WI(95) GRO	10/17/2006	CSD
Toluene	310	µg/Kg	140	1	EPA 8021	10/17/2006	CSD
Xylene, Total	2800	µg/Kg	280	1	EPA 8021	10/17/2006	CSD

NTS Sample: 116575
Description: 3-Hector
Sample Date: 10/4/2006 12:00:00 PM

Matrix: Non-Aqueous
Sample Type: Grab

NTS COC: 72574
Client: - CMS
Project: 7588 - CMS
Sampled By: Client
Report Date: 2/20/2007

Notes: Sample results based on wet weight.

Analyte	Result	Units	RL	DIL	Method	Analysis Dat	Analyst
Benzene	<150	µg/Kg	150	1	EPA 8021	10/14/2006	CSD
Ethyl Benzene	<100	µg/Kg	100	1	EPA 8021	10/14/2006	CSD
GRO	<7.3	mg/Kg	7.3	1	WI(95) GRO	10/14/2006	CSD
Toluene	<150	µg/Kg	150	1	EPA 8021	10/14/2006	CSD
Xylene, Total	<290	µg/Kg	290	1	EPA 8021	10/14/2006	CSD

NTS Sample: 116576
Description: 4-Hector
Sample Date: 10/4/2006 12:00:00 PM

Matrix: Non-Aqueous
Sample Type: Grab

NTS COC: 72574
Client: - CMS
Project: 7588 - CMS
Sampled By: Client
Report Date: 2/20/2007

Notes: Sample results based on wet weight.

Analyte	Result	Units	RL	DIL	Method	Analysis Dat	Analyst
Benzene	<150	µg/Kg	150	1	EPA 8021	10/14/2006	CSD
Ethyl Benzene	<110	µg/Kg	110	1	EPA 8021	10/14/2006	CSD
GRO	<7.6	mg/Kg	7.6	1	WI(95) GRO	10/14/2006	CSD
Toluene	<150	µg/Kg	150	1	EPA 8021	10/14/2006	CSD
Xylene, Total	<310	µg/Kg	310	1	EPA 8021	10/14/2006	CSD

Sent to ACS
11-27-07



Petroleum Remediation Program

Minnesota Pollution Control Agency

http://www.pca.state.mn.us/programs/lust_p.html

Spatial Data Reporting Form

Guidance Document 1-03a

(For complete instructions, see Guidance Document 1-03.)

Part 1. Background

Has a site location data point been submitted for this site (circle/highlight)? **YES** or **NO**
If yes, you do not need to complete Part 2 of this form but should complete Part 3 if there are additional site features to report. This form can be submitted electronically if desired (e.g., as an e-mail attachment to the project manager).

MPCA Site ID: **LEAK00016603**

Site Name: **Larson Oil Co.**

Data Collection Date: **11/1/07**

Name of Person Who Collected Data: **Brad Burke**

Organization Name: **Enviro-Risk Consulting Group, Inc.**

Organization Type: **Consulting**

Part 2. Site Location (use one of the three spatial data reporting formats provided)

Point Description: **Appx Center of Main Building**

Collection Method: **Large Scale Map Interpolation from MPCA – What’s in my Neighborhood**
<http://www.pca.state.mn.us/backyard/neighborhood.html>

Datum (circle/highlight): ~~WGS84~~ **NAD83**

1) Longitude (dd mm ss.ss):

Latitude (dd mm ss.ss):

2) Longitude (dd.dddddd):

Latitude (dd.dddddd):

3) UTM - X (Easting): **364,238**
UTM Zone: **15E**

UTM - Y (Northing): **4,956,044**

Part 3. Other Site Features

Point Description: *Appx Center of UST Basin – Gasoline Tanks*

Collection Method: *Large Scale Map Interpolation from MPCA – What's in my Neighborhood*
<http://www.pca.state.mn.us/backyard/neighborhood.html>

Datum (circle/highlight): WGS84 NAD83

1) Longitude (dd mm ss.ss):

Latitude (dd mm ss.ss):

2) Longitude (dd.dddddd):

Latitude (dd.dddddd):

3) UTM - X (Easting): **364,229**

UTM - Y (Northing): **4,956,040**

UTM Zone: **15E**

Point Description:

Collection Method:

Datum (circle/highlight): WGS84 NAD83

1) Longitude (dd mm ss.ss):

Latitude (dd mm ss.ss):

2) Longitude (dd.dddddd):

Latitude (dd.dddddd):

3) UTM - X (Easting):

UTM - Y (Northing):

UTM Zone:

Point Description:

Collection Method:

Datum (circle/highlight): WGS84 NAD83

1) Longitude (dd mm ss.ss):

Latitude (dd mm ss.ss):

2) Longitude (dd.dddddd):

Latitude (dd.dddddd):

3) UTM - X (Easting):

UTM - Y (Northing):

UTM Zone:

Point Description:

Collection Method:

Datum (circle/highlight): WGS84 NAD83

1) Longitude (dd mm ss.ss):

Latitude (dd mm ss.ss):

2) Longitude (dd.dddddd):

Latitude (dd.dddddd):

3) UTM - X (Easting):

UTM - Y (Northing):

UTM Zone: