



# Minnesota Pollution Control Agency

September 8, 1994

Mr. Kevin Doyle  
Welsh Companies  
11200 West 78th Street  
Eden Prairie, Minnesota 55334

RE: Petroleum Tank Release Site File Closure  
Site: Industrial Building, 4041 Hiawatha Avenue, Minneapolis  
Site ID#: LEAK00007666

Dear Mr. Doyle:

We are pleased to let you know that the Minnesota Pollution Control Agency (MPCA) Tanks and Spills Section (T&S) staff has determined that your investigation and/or cleanup has adequately addressed the petroleum tank release at the site listed above. Based on the information provided, the T&S staff has closed the release site file.

Closure of the file means that the T&S staff does not require any additional investigation and/or 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 T&S staff has concluded that any remaining contamination, if present, does not appear to pose a threat to public health or the environment.

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

You should understand that this letter does not release any party from liability for the petroleum contamination under Minn. Stat. ch. 115C (1992) or any other applicable state or federal law. In addition, this letter does not release any party from liability for non-petroleum contamination, if present, under Minn. Stat. ch. 115B (1992), the Minnesota Superfund Law.

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

520 Lafayette Rd. N.; St. Paul, MN 55155-4194; (612) 296-6300 (voice); (612) 282-5332 (TTY)  
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Mr. Kevin Doyle  
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September 8, 1994

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.

To make arrangements to review a file for specific information regarding petroleum contamination that may remain at this leaksite, please call the T&S File Request Program at 612/297-8499. The "Leak/Spill and Underground Storage Tank File Request Form" (T&S Fact Sheet #36) must be completed prior to arranging a time for file review.

Thank you for your response to this petroleum tank release and for your cooperation with the MPCA to protect public health and the environment. If you have any questions regarding this letter, please call me at 612/297-8594.

Sincerely,



Jessica Ebertz  
Project Manager  
Cleanup Unit II  
Tanks and Spills Section

JE:mk

cc: Merry Keefe, City Clerk, Minneapolis  
Thomas Dickinson, Fire Chief, Minneapolis  
Greg Lie, Hennepin County Solid Waste Officer, Minneapolis  
Matt Hobson, B.A. Liesch Associates, Inc.

**MINNESOTA POLLUTION CONTROL AGENCY  
TANKS AND SPILLS SECTION  
PETROLEUM TANK RELEASE REPORT**

Report Taken By: JS Date/Time Occurred: \_\_\_\_\_

Date/Time Reported: 7/19/94

Date/Time Discovered: 7/18/94

LEAK# 7666

PROJECT MANAGER: JME

USTIS # 1688

**CALLER**

Name: Gary Van Builder  
Phone: 559-1423  
Relationship to site: BA Liesch + Assoc.

**SITE**

Name: Industrial Building  
Street: 404 Hiawatha Ave  
City: Minneapolis Zip: 55406  
County: Hennepin Region: M/2

**TANK OPERATOR**

Name: \_\_\_\_\_ Zip: \_\_\_\_\_  
Street: \_\_\_\_\_  
City: \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Phone: \_\_\_\_\_

**TANK OWNER**

Name: Welsh Companies  
Street: 11200 W 78th St  
City: Eden Prairie St.: MN Zip: 55334  
Contact Person: Kevin Doyle  
Phone: 829-3460

Own tanks/product/property?

Share in profits?

Control over inventory, maintenance and tank decisions?

**SITUATION**

Material Released/Amount: Fuel Oil

Source of Release: UST Piping

Release Discovery: Removal

**TANK INFORMATION**

Contents	Size	Age	Removed	Condition	Registered
<u>FO</u>	<u>10,000</u>	<u>1960's</u>	<u>7/18/94</u>	<u>Good</u>	<u>5/7/86</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

State or Federal

Excavation Contractor: MN Petroleum

Notification prior to removal: 7/8/94

Consultant: \_\_\_\_\_

**SOIL**

Contaminated soil excavated: < 10 yd<sup>3</sup>

Was it a total excavation: Y

Vapor readings: 280 ppm

Soil samples: Y

Borings: N

Native soil type: 5-6' of clay, then sand

Stockpiled properly/disposal arranged: Thin spread on site.

Other: \_\_\_\_\_

Area around the tank was  
clean. Contamination was  
encountered beneath the piping  
leading into the building.  
Contamination was confined to  
clay.

**WATER**Groundwater in excavation: *N*

Free product present:

Depth to groundwater: *16'*

City water/wells private/municipal:

Surface water:

**VAPORS.**Sewers/buildings: *N***SITE INFORMATION**

Description of area:

Previous release(s):

**INSTRUCTION GIVEN**Hire consultant  
Submit report  
Staff will call  
Contact staff**CONTACTS**Local Fire/Police  
Local Officials  
Regional Staff  
Other**CONCLUSIONS AND OTHER RELATED INFORMATION**

## PETROLEUM TANK RELEASE REPORT CHECKLIST

In order to facilitate report review, the MPCA staff requests your assistance in completing this form which should be attached to all incoming reports. The form will be used to screen reports for completeness and to characterize the degree of contamination at the site.

## SITE CHARACTERIZATION

	YES	NO
Emergency:		
Vapor or explosive hazard?		X
- if yes, has this been addressed?		X
Actual drinking water supply impacts?		
- if yes, has alternate supply been provided?		
Ground Water and Soil:		
Has ground water been impacted?		X
Is there free product?		X
- if yes, has recovery been initiated?		X
Are there downgradient receptors at risk?		X
Did you answer "yes" to any question, 7 through 14, on the Hydrogeologic Setting and Ground Water Characterization Worksheet?		X
Is this a progress report?		X
- if yes, is it quarterly or annual?		

## REPORT CONTENTS

Check the appropriate report type and completed sections (as outlined in the "Petroleum Tank Release Reports" document).

Excavation Report Form	RI Report	CAD Report	Progress Reports
<input checked="" type="checkbox"/> All applicable sections completed	<input type="checkbox"/> Introduction	<input type="checkbox"/> Proposed CAD	<input type="checkbox"/> Introduction
<input checked="" type="checkbox"/> Figures	<input type="checkbox"/> Background, incl Twp/Rng, Lat/Long	<input type="checkbox"/> Appropriate sections of appendices	<input type="checkbox"/> Background
<input checked="" type="checkbox"/> Lab reports with chain of custody forms	<input type="checkbox"/> Excavation Form	<input type="checkbox"/> Figures	<input type="checkbox"/> Corrective action
	<input type="checkbox"/> RI Results		<input type="checkbox"/> Ground water monitoring results
	<input type="checkbox"/> Discussion		<input type="checkbox"/> Discussion
	<input type="checkbox"/> Conclusions		<input type="checkbox"/> Conclusions
	<input type="checkbox"/> Recommendations		<input type="checkbox"/> Recommendations
	<input type="checkbox"/> Proposed CAD		<input type="checkbox"/> Appendices
	<input type="checkbox"/> Appendices, incl IGWIS form		<input type="checkbox"/> Tables, figures
	<input type="checkbox"/> Tables, figures		
	<input type="checkbox"/> Hydrogeologic Characterization Worksheet		

If recommendations are included in the report, provide a brief description (e.g., no further action, modification of ground water recovery system, additional monitoring, etc.):

*no further action*

If a CAD is proposed, provide a brief description (e.g., soil venting, pump and treat, bioremediation, etc.):

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MPCA, HAZARDOUS  
WASTE DIVISION

**EXCAVATION REPORT FOR PETROLEUM RELEASE SITES**

*Fact Sheet #4*

Minnesota Pollution Control Agency  
LUST Cleanup Program  
April 1993

*Complete the information below and submit to the Minnesota Pollution Control Agency (MPCA) Tanks and Spills Section to document excavation and treatment of petroleum contaminated soil. Conduct excavations in accordance with "Excavation of Petroleum Contaminated Soil" (fact sheet #13). Please attach any available preliminary site investigation reports to this excavation report.*

*Additional pages may be attached. Please type or print clearly.*

*The excavation reporting deadline is 10 months from the date of receipt of the standard letter. A shorter deadline may be established by MPCA staff for high priority sites.*

**I. BACKGROUND**

A. Site: 4041 Hiawatha Ave. B. Tank Owner/Operator: 4041 partners

Street: 4041 Hiawatha Ave.  
City, Zip: Minneapolis  
County: Hennepin

*Mailing Address:*

Street Box: 8732 Walton Oaks Dr.  
City, Zip: Bloomington, MN 55438  
Telephone: 897-8870

MPCA Site ID# LEAK 7666

C. Excavating Contractor:

Minnesota Petroleum Service, Inc.  
Contact: Doug Schliesing  
Telephone: 612/571-8490  
Tank Contractor Certification  
Number: 0604

D. Consultant:

B.A. Liesch Associates, Inc.  
Contact: Matt Hobson  
Street/Box: 13400 15th Ave. N.  
City, Zip: Plymouth, 55441  
Telephone: 612/559-1423

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

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

**II. DATES**

A. Date release reported to MPCA: 7/18/94

B. Dates site work performed: 7/18/94

<i>Work Performed</i>	<i>Date</i>
Removal of UST/spread < 10 cubic yards of impacted soil on-site	7/18/94
_____	_____
_____	_____
_____	_____

**III. RELEASE INFORMATION**

A. Provide the following information for all tanks which have been removed.

Tank 1: Capacity 10,000 Type steel Age ~ 34 years  
Condition: Good  
Product history: #2 heating oil  
Approximate quantity of petroleum released, if known: Unknown

Tank 2: Capacity \_\_\_\_\_ Type \_\_\_\_\_ Age \_\_\_\_\_  
Condition: \_\_\_\_\_  
Product history: \_\_\_\_\_  
Approximate quantity of petroleum released, if known: \_\_\_\_\_

Tank 3: Capacity \_\_\_\_\_ Type \_\_\_\_\_ Age \_\_\_\_\_  
Condition: \_\_\_\_\_  
Product history: \_\_\_\_\_  
Approximate quantity of petroleum released, if known: \_\_\_\_\_

Cause of release: \_\_\_\_\_

B. Provide the following information for all existing tanks.

Tank No.	Capacity	Contents	Type	Age
----------	----------	----------	------	-----


C. If the release was associated with the lines or dispensers, briefly describe the problem: See cover letter.

D. If the release was a surface spill, briefly describe the problem:

#### IV. EXCAVATION

A. Dimensions of excavation: 27' x 11' x 11'

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

C. Native soil type (clay, sand, etc.): Silt/clay

D. Quantity of contaminated soil removed (cubic yards): <10 cubic yards  
[Note: If more than 400 cubic yards removed, please attach copy of written approval from MPCA.]

E. Was groundwater encountered or was there evidence of a seasonally high ground water table? At what depth? Ground water not encountered.

F. If a soil boring was necessary (see fact sheet #13, "Excavation of Petroleum Contaminated Soil", Part VI Additional Investigation) describe the soil screening and analytical results. Attach the boring logs and laboratory results to this report.

G. If no soil boring was required, explain. No contamination at bottom.

H. If ground water was encountered or if a soil boring was conducted, was there evidence of ground water contamination? Specify e.g., free product (specify thickness), product sheen, ground water in contact with petroleum contaminated soil, water analytical results, etc.



[NOTE: If free product was observed, contact MPCA staff immediately as outlined in "Petroleum Tank Release Reports" (fact sheet #3). Also consult fact sheet #18, "Free Product: Evaluation and Recovery".]

- I. Was bedrock encountered in the excavation? At what depth? No
- J. Were there other unique conditions associated with this site? If so, explain. No

V. SAMPLING

- A. Briefly describe the field methods (including use of a photoionization detector) used to distinguish contaminated from uncontaminated soil: Per MPCA guidelines.
- B. List soil vapor headspace analysis results. Indicate sampling locations using sample codes (with sampling depths in parentheses), e.g. R-1 (2'), R-2 (10'), etc. "R" stands for "removed". Samples collected at different depths at the same location should be labeled R-1A (2'), R-1B (4'), R-1C (6'), etc. If the sample was collected from the sidewall or bottom after excavation was complete, label it S-1 (for sidewall) or B-1 (for "bottom"). Be sure the sample codes correspond with the site map required in part VI, below.

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

See attachments.

- C. Briefly describe the soil sampling and handling procedures used: Per MPCA guidelines.
- D. List the appropriate soil sample analytical results from bottom and sidewall samples (i.e., soils left in place when excavation is complete). Code the samples with sampling depths in parentheses as follows: sidewall samples S-1 (8 feet), S-2 (4 feet), etc.; bottom samples B-1 (13 feet), B-2 (14 feet), etc. Be sure the sample codes correspond to the site map required in part VI. Do not include analyses from the stockpiled soils.

Sample Code	GRO/DRO ppm	Benzene ppm	Ethyl-benzene ppm	Toluene ppm	Xylene ppm	MTBE ppm	Lead ppm
-------------	-------------	-------------	-------------------	-------------	------------	----------	----------

See attachments.

NOTE: ATTACH COPIES OF LABORATORY REPORTS AND CHAIN OF CUSTODY FORMS.

## VI. FIGURES

Attach the following figures to this report:

1. Site location map
2. Site map(s) drawn to scale illustrating the following:
  - a. location (or former location) of all present and former tanks, lines, and dispensers
  - b. location of other structures (buildings, canopies, etc.)
  - c. adjacent city, township, or county roadways
  - d. final extent of excavation
  - e. location of soil vapor analyses (e.g. R-1), soil analytical samples (e.g., S-1 or B-1), and soil borings (e.g. SB-1). Also, attach all boring logs.
  - f. north arrow, bar scale, and map legend

## VII. SUMMARY

Briefly summarize evidence indicating whether or not additional investigation is necessary at the site, as discussed in part VU of "Excavation of Petroleum Contaminated Soil" (fact sheet #13). If no further action is recommended, the MPCA staff will review this report following notification of soil treatment.

See cover letter

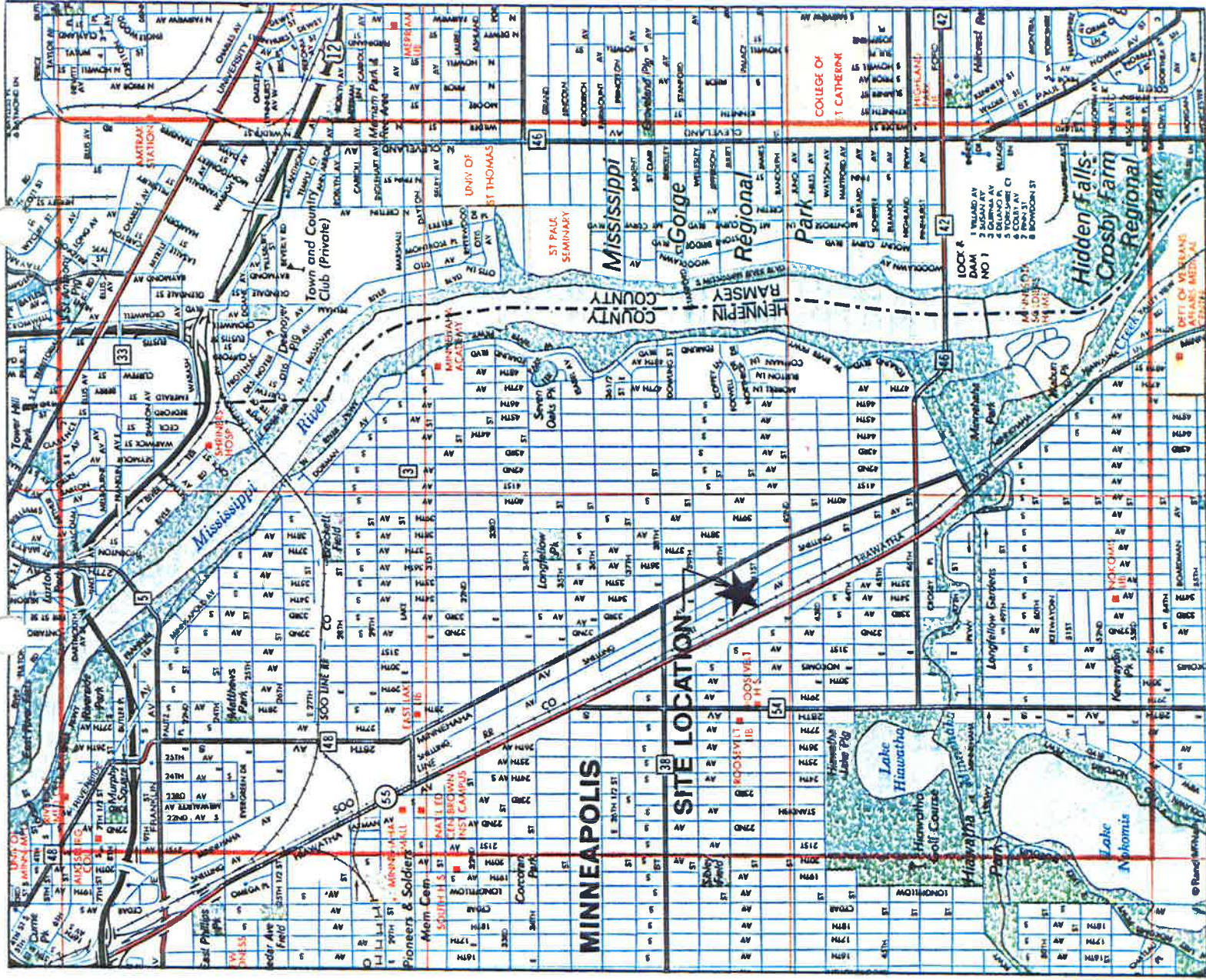
## VIII. SOIL TREATMENT INFORMATION

- A. Soil treatment method used (thermal, land application, other). If you choose "other" specify treatment method: land application
- B. Location of treatment site/facility: On site <10 cubic yards
- C. Date MPCA approved soil treatment (if thermal treatment was used after May 1, 1991, indicate date that the MPCA permitted thermal treatment facility agreed to accept soil): July 18, 1994
- D. Identify the location of stockpiled contaminated soils: \_\_\_\_\_

## IX. CONSULTANT (OR OTHER) PREPARING THIS REPORT

Company Name: B.A. Liesch Associates, Inc.  
Street/Box: 13400 15th Avenue North  
City, Zip: Plymouth, MN 55441  
Telephone: (612) 559-1423  
Contact: Matt Hobson





**B. A. LIESCH ASSOCIATES, INC.**  
 HYDROLOGISTS, GEOLOGISTS, ENVIRONMENTAL SCIENTISTS

13400 15th Ave No, Minneapolis, MN 55441 (612) 559-1423  
 Minneapolis, MN

**4041 HIAWATHA AVENUE**

**SITE LOCATION MAP**

**AUG 94**

**FIG. 1**

**LIESCH**  
 B. A. LIESCH ASSOCIATES, INC.  
 HYDROLOGISTS, GEOLOGISTS, ENVIRONMENTAL SCIENTISTS

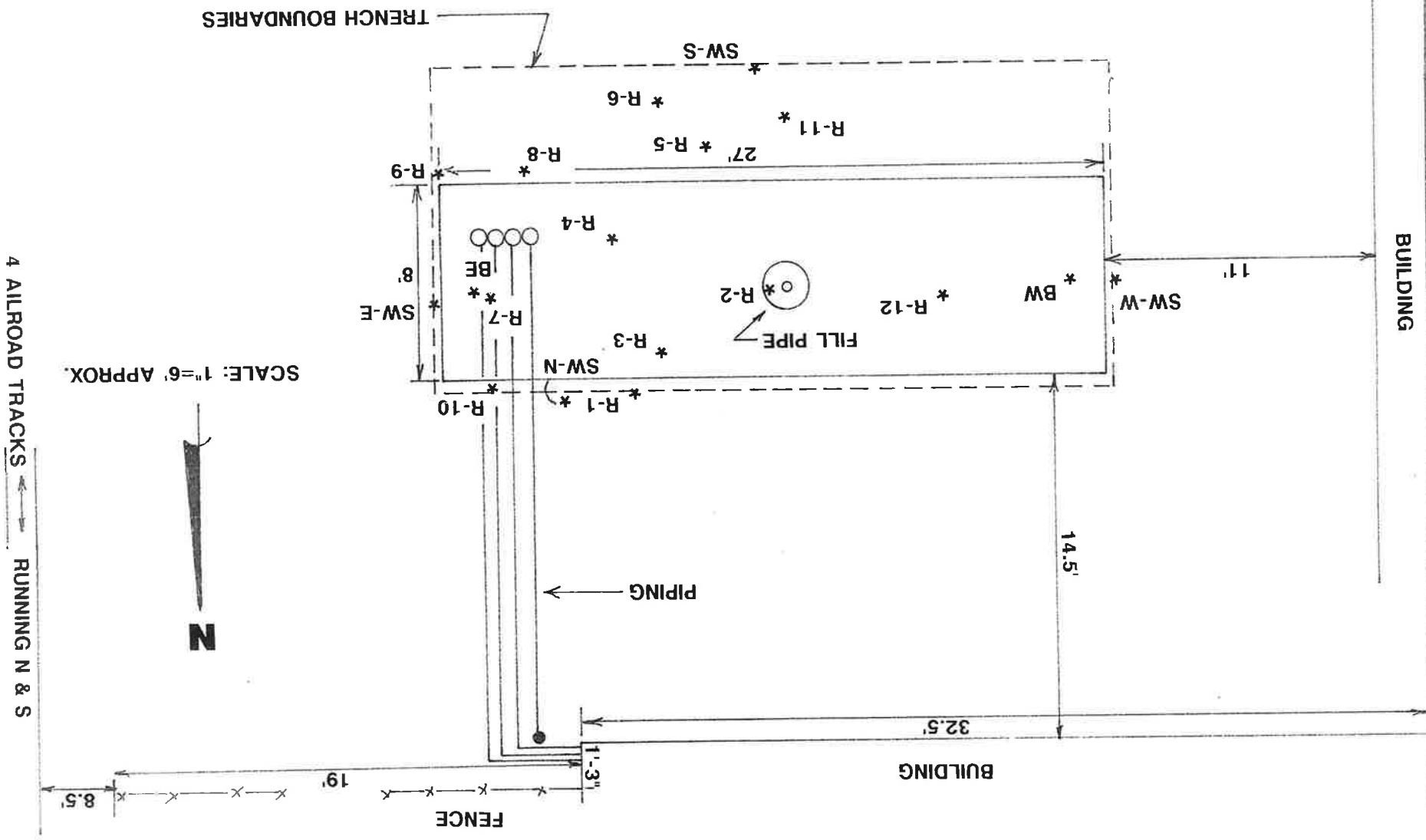
13400 15th Ave No, Minneapolis, MN, 55441 (612) 559-1428  
 Minneapolis, MN  
 Madison, WI

TANK / SAMPLE LOCATIONS

FIG. 2

4041 HIAWATHA AVENUE

AUG 94



BUILDING

BUILDING

FENCE

PIPING

N

SCALE: 1"=6' APPROX.

4 ALLROAD TRACKS RUNNING N & S

TRENCH BOUNDARIES

13400 15th Ave No, Minneapolis, MN, 55441 (612) 559-1423  
Minneapolis, MN  
Madison, WI

B. A. LIESCH ASSOCIATES, INC.  
HYDROLOGISTS, GEOLOGISTS, ENVIRONMENTAL SCIENTISTS

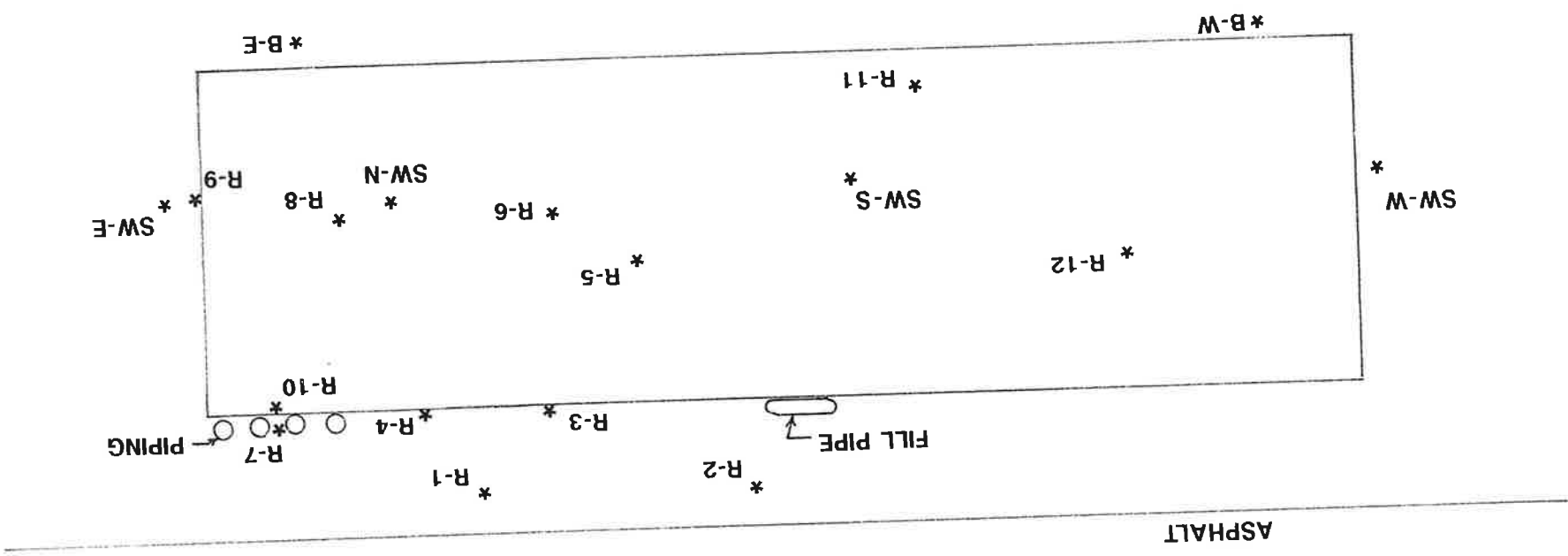


SIDE VIEW/SAMPLE LOCATIONS

FIG. 3

4041 HIAWATHA AVENUE

AUG 94



SCALE: 1"=4' APPROX.





B. A. LIESCH ASSOCIATES, INC.  
HYDROLOGISTS, GEOLOGISTS, ENVIRONMENTAL SCIENTISTS

13400 15th Ave. No. Minneapolis, MN, 55441 (612) 559-1423  
Minneapolis, MN Madison, WI

# SOIL EXCAVATION SAMPLING FORM

LAB SAMPLE	SAMPLE #	DEPTH (FT)	MAP LOCA.	HEADSPACE (PPM)	DESCRIPTION
	R-1	0-1		0	Brown sand
	R-2	0-1		0	Brown sand
	R-3	3		5.1	Brown sand
	R-4	3		48.6	Brown sand
	R-5	6		44	Stained, dark brown sand, petroleum odor
	R-6	7		26.4	Stained, dark brown sand
	R-7	3		147.3	Stained, dark brown sand, strong petroleum odor
	R-8	4.5		22.4	Brown sand
	R-9	5		1.0	Brown sand
X	R-10	3		289.0	Stained, dark brown sand, strong petroleum odor
	R-11	7		0	Brown sand
	R-12	3		0	Brown sand
X	S-S	5		0	Brown silty clay
X	S-E	5		0	Brown silty clay
X	S-N	5		0	Brown silty clay
	S-W	5		0	Brown silty clay
X	B-W	11		0	Brown sand/silt/clay
X	B-E	11		0	Brown sand/silt/clay



# SERCO Laboratories

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

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MPCA, HAZARDOUS  
WASTE DIVISION

LABORATORY ANALYSIS REPORT NO: 45775      PAGE 1 of 3  
08/01/94

Bruce A. Liesch Associates  
13400 15th Avenue North  
Plymouth, MN 55441

DATE COLLECTED: 07/18/94  
DATE RECEIVED: 07/19/94  
COLLECTED BY : CLIENT  
DELIVERED BY : CLIENT  
SAMPLE TYPE : SOIL

Attn: Matt Hobson

CLIENT'S ID: Walsh Companies

SERCO SAMPLE NO: 108934      108944      108954      108964

SAMPLE DESCRIPTION: TBE      TBW      SWN      SWE  
-11'      -11'      -5'      -5'

ANALYSIS:

Diesel Range Organics C10-C28, dry weight, mg/kg	<10	<10	<10	<10	<10
Analytical Method for MOD DRO	MOD DRO	MOD DRO	MOD DRO	MOD DRO	MOD DRO
Date of Extraction for MOD DRO	07/20/94	07/20/94	07/20/94	07/20/94	07/20/94
Date of Analysis for MOD DRO	07/23/94	07/23/94	07/23/94	07/23/94	07/23/94
Benzene, dry weight, mg/kg	<0.05	<0.05	<0.06	<0.07	<0.07
Ethylbenzene, dry weight, mg/kg	<0.05	<0.05	<0.06	<0.07	<0.07
Methyl tertiary butyl ether, dry weight, mg/kg	<0.5	<0.5	<0.6	<0.7	<0.7
Toluene, dry weight, mg/kg	<0.05	<0.05	<0.06	<0.07	<0.07
Total Xylene, dry weight, mg/kg	<0.05	<0.05	<0.06	<0.07	<0.07
Analytical Method for BETX/MTBE	8020	8020	8020	8020	8020
Date of analysis for BETX/MTBE	07/20/94	07/20/94	07/20/94	07/21/94	07/21/94

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







# SERCO Laboratories

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

LABORATORY ANALYSIS REPORT NO: 45775  
08/01/94

SERCO SAMPLE NO:	108974	108984	108994
SAMPLE DESCRIPTION:	SWS -5'	UPN -2'	Methanol Trip Blank
ANALYSIS:	-----		
Diesel Range Organics C10-C28, dry weight, mg/kg	<10	1100	-
Analytical Method for MOD DRO	MOD DRO	MOD DRO	-
Date of Extraction for MOD DRO	07/20/94	07/20/94	-
Date of Analysis for MOD DRO	07/23/94	07/23/94	-
Benzene, dry weight, mg/kg	<0.06	0.08	-
Ethylbenzene, dry weight, mg/kg	<0.06	0.31	-
Methyl tertiary butyl ether, dry weight, mg/kg	<0.6	<0.5	-
Toluene, dry weight, mg/kg	<0.06	0.08	-
Total Xylene, dry weight, mg/kg	<0.06	0.59	-
Analytical Method for BETX/MTBE	8020	8020	8020
Date of analysis for BETX/MTBE	07/20/94	07/20/94	07/21/94
Benzene, ug/L	-	-	<1.0
Ethylbenzene, ug/L	-	-	<1.0
Methyl tertiary butyl ether, ug/L	-	-	<10
Toluene, ug/L	-	-	<1.0
Total Xylene, ug/L	-	-	<1.0

Sample was received on ice.

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





# SERCO Laboratories

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

LABORATORY ANALYSIS REPORT NO: 45775      PAGE 3 of 3  
08/01/94

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

Report submitted by,

Diane J. Anderson  
Project Manager



**CHAIN OF CUSTODY RECORD**

FIELD COORDINATOR

Suzanne Huntley

REMARKS

PROJ. NO.

65871.01

PROJECT NAME

Walsh Company  
4041  
Hawthorn

SAMPLERS (Signature)

STATION NO. DATE TIME COMP GRAB

STATION LOCATION

NUMBER OF CONTAINERS

DRO  
BTX  
Dryweir, 4

TBE

7/18

2pm

Top/bottom Foot-11

4

1 2 1

Standard TAT

TBW

2pm

West-11

4

1 2 2

SWN

2:45pm

Side wall NORTH-5

4

1 2 1

SWE

2:30pm

East-5

4

SWS

2:15pm

South-5

4

UPN

11am

Under piping NORTH-2

4

1 1 1

Amethane TB was also received. DDD today

Relinquished by:(Signature)

Date

Time

Received by:(Signature)

Received by:(Signature)

Date

Time

Received by:(Signature)

Relinquished by:(Signature)

Date

Time

Received by:(Signature)

Received by:(Signature)

Date

Time

Received by:(Signature)

Relinquished by:(Signature)

Date

Time

Received for Laboratory by:

Remarks

Date

Time

Results received  
Ma H Hobson  
B. A. LIESCH

07-19-94 17:00

(Signature)