

IF00000041

ADMIN

8426 Amsden Ridge Circle
Bloomington, Minnesota 55438
Phone: 952.942.7400
Fax: 952.942.6800

Memo

RECEIVED

JAN 21 2003

MPCA, MAR Division
Petroleum & Landfill Remediation Section

CC: file

Date: 1/10/03

Re: Former Holiday Store #22, 5247 Minnehaha Ave, Minneapolis. Closed MPCA Site #8732

8723

Jim:

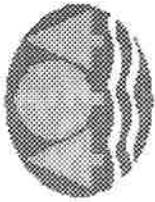
Enclosed is the excavation report for the above-referenced site. In summary, residual petroleum impacts were observed at dispenser island locations. However, it appears these impacts were the result of the previous release. Therefore, it appears addition investigation or corrective action related to the recent UST removal assessment appears unwarranted.

If you have questions, please call.

Sincerely,

Matt Stevens

EXCAVATION REPORT
CIRCU8
JANUARY 10, 2003
LEAK 8723



Leaking Petroleum Storage Tanks

Minnesota Pollution Control Agency

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

EXCAVATION REPORT WORKSHEET FOR PETROLEUM RELEASE SITES

Fact Sheet #3.7

Complete the information below to document excavation and treatment of petroleum contaminated soil. Conduct excavations in accordance with fact sheet #3.6 *Excavation of Petroleum Contaminated Soil During Tank Removal*. Please attach any available preliminary site investigation reports to this excavation report, and attach additional pages if necessary. Please type or print clearly. Do not revise or delete text or questions from this report form.

The excavation worksheet 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: Former Holiday Store #22

MPCA Site ID#: LEAK000

Closed Site #8723

Street: 5247 Minnehaha Avenue

City, Zip: Minneapolis 55417

County: Hennepin

Site location (UTM required): see below

B. Tank Owner/Operator:

Holiday Companies

Mailing Address:

Street/Box: P.O. Box 1224

City, Zip: Minneapolis, 55440

Telephone: 952.830.8899

C. Excavating Contractor: Minnesota Petroleum

Contact: Bret Swan

Telephone: 763.780.5191

Tank Contractor Certification Number: #604

D. Consultant:

Cirrus Environmental

Contact: Matt Stevens

Street/Box: 8426 Amsden Ridge Circle

City, Zip: 55438

Telephone: 952.942.7400

E. Others on-site during site work (e.g., fire marshal, local officials, MPCA staff, etc.): none

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.

Site location: The required coordinate scheme for reporting site location is Universal Transverse Mercator (UTM), Extended Zone 15, 1983 North American Datum (NAD83). Refer to http://www.ot.state.mn.us/ot_files/handbook/standard/std17-1.html for Minnesota spatial data standards, or <http://mac.usgs.gov/mac/isb/pubs/factsheets/fs15799.html> for more information about UTM Coordinates.

X coordinate (Easting) 150483854meters

Y coordinate (Northing) 4972734 meters

What feature does the coordinate represent? (i.e. center of parcel, approximate center of source area, etc. Please describe) Approximate property location.

What method was used to determine the coordinate? (i.e. GPS receiver, map interpolation, address matching, etc. Please describe) Maptech Terrain Navigator Software.

If a paper map, digital map, aerial photo or digital orthophotoquad was used to find the site location, please provide the scale of the map or photo (i.e. 1:24,000, etc.) 1:24,000

PART II: DATES

A. Date release reported to MPCA: 1-5-03

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

Work Performed

Date

UST/Dispenser Island Removal

12-11-02 through 12-13-02

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 1000 feet was mixed residential, Commercial. The Mississippi River is located approximately 1000 feet to the northeast.
- B. Provide the following information for all tanks removed and any remaining at the site:

Table 1.

Tank #	UST or AST	Capacity (gallons)	Contents (product type)	Year installed	Status*	Condition of Tank
001	UST	4000	E-85	11/97	Rem12.12.02	Excellent
002	UST	12000	Gasoline	9/95	Rem12.12.02	Excellent
003	UST	8000	Gasoline	9/95	Rem12.12.02	Excellent
004	UST	8000	Gasoline	9/95	Rem12.12.02	Excellent
005	UST	8000	Diescl	9/95	Rem12.12.02	Excellent

*Indicate: *removed (date), abandoned in place (date), or currently used*

Notes:

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

Location of dispensers and USTs are shown on the site map. Although dispensers were removed prior to Cirrus observations, it was reported they were in good condition. Spill containment for each dispenser was present as was secondary containment for flexible piping.

- D. Identify and describe the source or suspected source(s) of the release and how the release was discovered. None : Petroleum vapors and residual impacts appeared to be the result of a previous release. #8723

- E. What was the volume of the release? (if known): none gallons

- F. When did the release occur? (if known): unk

- G. Describe source of on-site drinking water. municipal

PART IV: EXCAVATION INFORMATION

- A. Dimensions of UST excavation(s): Length 110' Width 34' Depth 14' (see site map)

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

- C. Native soil type (clay, sand, etc.): sand
- D. Quantity of contaminated soil removed for treatment (cubic yards): none
- [**Note:** If the volume removed is more than allowed in Fact Sheet 3.6 *Excavation of Petroleum Contaminated Soil During Tank Removal*, 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.

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 6.2 in Fact Sheet 3.6 *Excavation of Petroleum Contaminated Soil During Tank Removal*.

None.

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?

No.

H. If ground water was not encountered during the excavation, what is the expected depth of ground water? Unknown, greater than 14 feet

I. Additional investigation is necessary at sites that have visual or other evidence of contamination remaining in the suspected source area, with sandy or silty sand soil [Unified Soil Classification System/American Society for Testing Materials] and where the water table is within 25 feet of the ground surface. See fact sheet #3.6 *Excavation of Petroleum Contaminated Soil*, Part VI Additional Investigation. 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. No soil boring was performed as a result of residual impacts being related to previous closed release at the site (#8723)

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 fact sheet 3.3 *Free Product: Evaluation and Recovery*.

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.

This is a closed release site (#8723)

PART V: SAMPLING INFORMATION

- A. Briefly describe the field screening methods used to distinguish contaminated from uncontaminated soil: Soil samples were collected and field-screened per MPCA field screening procedures.
- B. List soil vapor headspace analysis results collected during excavation of tanks, lines and dispensers. Indicate all sampling locations using sample codes (with sampling depths in parentheses). e.g. R-1 (2 feet), R-2 (10 feet), etc. "R" stands for "removed." Samples collected at different depths at the same location should be labeled R-1A (2 feet), R-1B (4 feet), R-1C (6 feet), etc. Similarly, 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"). Indicate the depth of sample collection. 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
B1	Sand	<1	B9	Sand	<1
B2	Sand	<1	B10	Sand	<1
B3	Sand	<1	B11	Sand	<5
B4	Sand	<1	B12	Sand	<1
B5	Sand	<1	B13	Sand	30
B6	Sand	<1	B14	Sand	6
B7	Sand	<1	B15	Sand	20
B8	Sand	<1	B16	Sand	22

- 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 fact sheet 3.19, *Soil and Ground Water Investigations Performed During Remedial Investigations*).

- D. Briefly describe the soil analytical sampling and handling procedures used:

Soil samples were collected using the backhoe for each sample location. Each sample was split into approximate equal portions for field-screening (ziplock bags) and laboratory analytical analysis (laboratory prepared jars). Each sample was collected with clean disposable gloves, labeled, placed in a cooler with ice, and documented with COC for delivery to the laboratory.

- E. List below all soil sample analytical results from bottom and side wall samples collected after excavation of tanks, lines and dispensers (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), stockpile samples SP-1, etc. Be sure the sample codes correspond to the site map required in part VI. Do not include analyses from the stockpiled soil.

Excavation Report Worksheet for Petroleum Release Sites

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February 2001

Sample Code	GRO	Benzene mg/kg	Ethyl-benzene mg/kg	Toluene mg/kg	Xylene mg/kg	MTBE mg/kg	Lead mg/kg
B1	<2.9	<.029	<.029	<.029	<.029	<.029	NA
B2	<2.7	<.027	<.027	<.027	<.027	<.027	NA
B3	<2.6	<.026	<.026	<.026	<.026	<.026	NA
B4	<2.6	<.026	<.026	<.026	<.026	<.026	NA
B5	<2.6	<.026	<.026	<.026	<.026	<.026	NA
B6	<2.7	<.027	<.027	<.027	<.027	<.027	NA
B7	<2.6	<.026	<.026	<.026	<.026	<.026	NA
B8	<2.7	<.027	<.027	<.027	<.027	<.027	NA
B9	Dro <4.3	<.026	<.026	<.026	<.026	<.026	NA
B10	Dro <4.6	<.026	<.026	<.026	<.026	<.026	NA
B11	<2.6	<.026	<.026	<.026	<.026	<.026	NA
B12	<2.7	<.027	<.027	<.027	<.027	<.027	NA
B13	<2.6	<.026	<.026	<.026	<.026	<.026	NA
B14	27	<.029	.030	<.029	<.029	<.029	NA
B15	22	<.026	.091	1.8	5.2	<.026	NA
B16	Dro 5.7	<.027	<.027	<.027	<.027	<.027	NA

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

PART VI: FIGURES

Attach the following figures to this report:

PART VII: SUMMARY

Briefly summarize evidence indicating whether additional investigation is necessary at the site, as discussed in parts VI and VII of fact sheet 3.6 *Excavation of Petroleum Contaminated Soil During Tank Removal*. If no further action is necessary, the MPCAA staff will review this report following notification of soil treatment.

Additional investigation does not appear warranted. UST appeared to be in excellent shape as were dispenser island spill and containment equipment. Residual impacts encountered at dispenser islands appeared to be from the former release.

PART VIII: SOIL TREATMENT INFORMATION

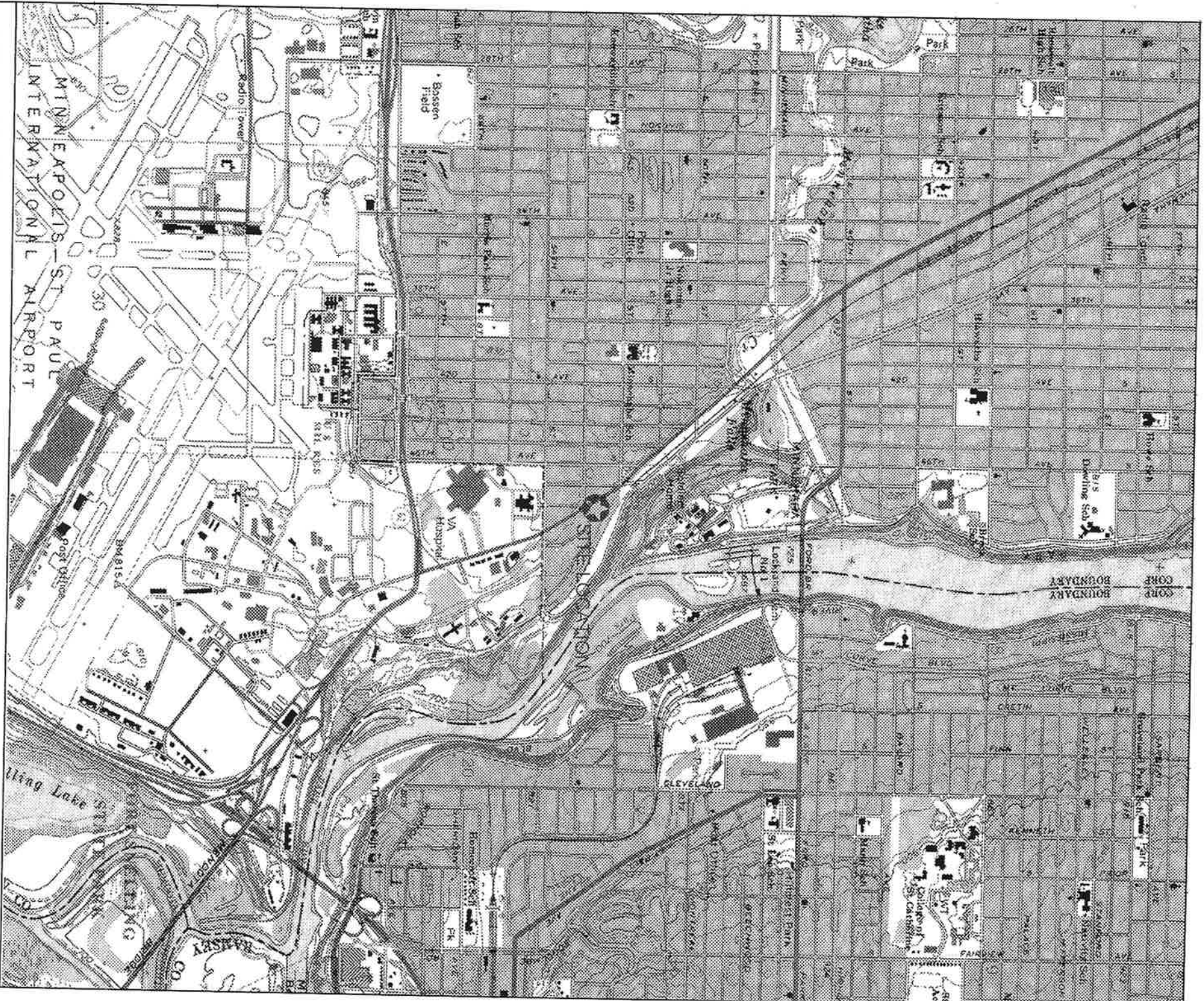
- A. Soil treatment method used (thermal, land application, composting, other). If you choose "other" specify treatment method: NA
- B. Location of treatment site/facility: NA
- C. Date MPCAA approved soil treatment (if thermal treatment was used after May 1, 1991, indicate date that the MPCAA permitted thermal treatment facility agreed to accept soil): NA
- D. Identify the location of stockpiled contaminated soil;
NA

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 Fact Sheet 3.24 *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.**

<i>Web pages and phone numbers</i>	
MPCA staff	http://data.pea.state.mn.us/pea/empsearch.html
MPCA toll free	1-800-657-3864
LUST web page	http://www.pea.state.mn.us/programs/lust_p.html
MPCA Infor. Request	http://www.pea.state.mn.us/about/inforequest.html
MPCA VPIC program	http://www.pea.state.mn.us/programs/vpic_p.html
PetroFund Web Page	http://www.commerce.state.mn.us/mainpf.html
PetroFund Phone	651-297-1119, or 1-800-638-0418
State Duty Officer	651-649-5451 or 1-800-422-0798

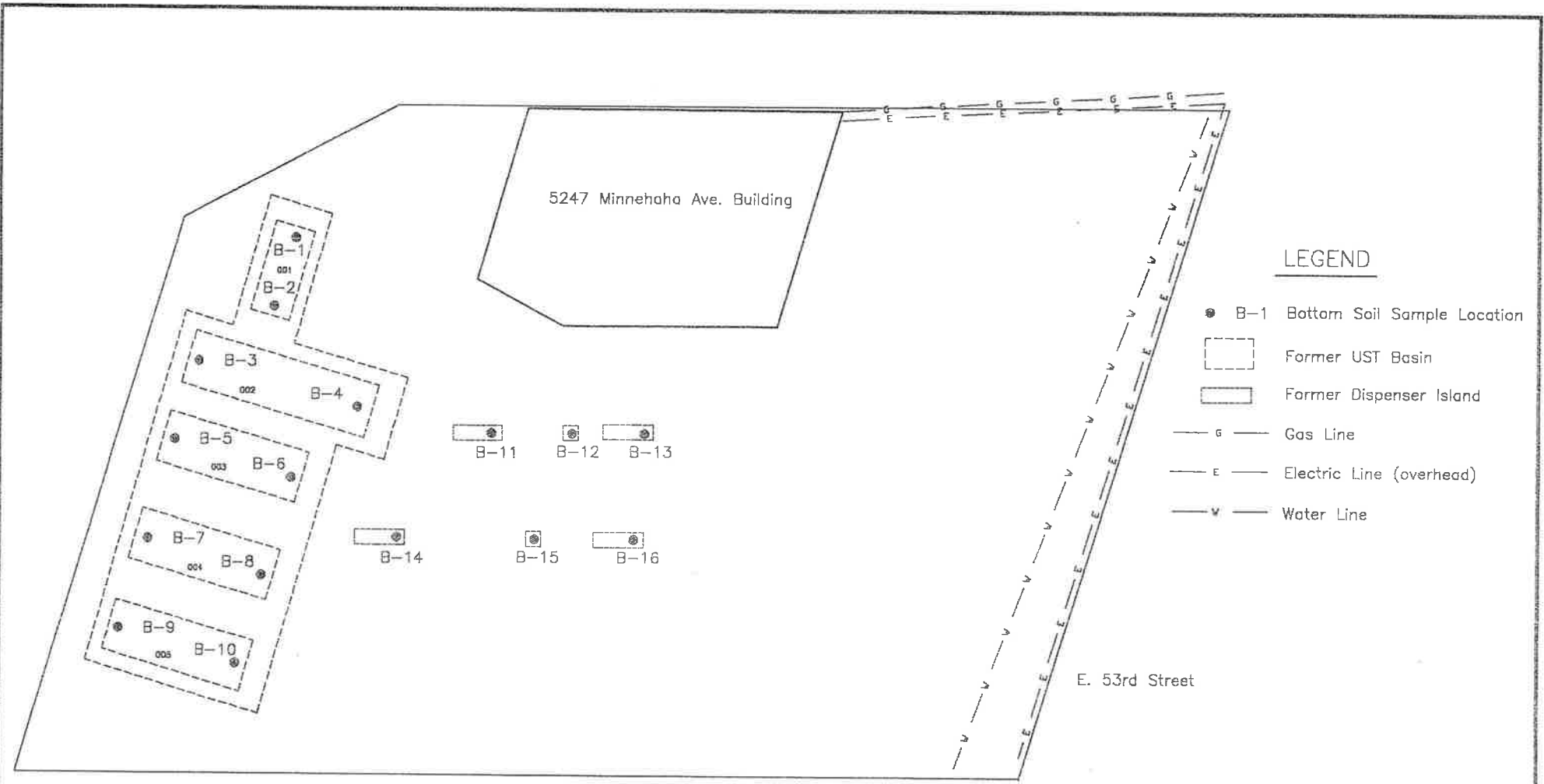
Upon request, this document can be made available in other formats, including Braille, large print and audio tape. TTY users call 651 282-5332 or 1-800-657-3864 (voice TTY).

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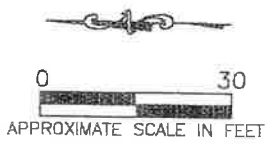
Name: ST PAUL WEST
Date: 1/9/103
Scale: 1 inch equals 2000 feet

Location: 15 483820 4972273
Caption: FIGURE 1
Former Holiday Store #22
5247 Minnehaha Avenue
Minneapolis, MN



LEGEND

- B-1 Bottom Soil Sample Location
- ⬜ (dashed) Former UST Basin
- ⬜ (solid) Former Dispenser Island
- G — Gas Line
- E — Electric Line (overhead)
- V — Water Line



CIRRUS
ENVIRONMENTAL GROUP, INC.

**FIGURE 2
SITE MAP**

Project No. HOL02008
File: Cirrus\HOL\02088\sitemap.dwg Date: 01/4/03

**Holiday Store 0022
5247 Minnehaha Avenue
Minneapolis Minnesota**