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EXCAVATION REPORT WORKSHEET FOR PETROLEUM RELEASE SITES

Fact Sheet #4

Minnesota Pollution Control Agency

LUST Cleanup Program

April 1993

AUG 23 1993

MPCA, HAZARDOUS WASTE DIVISION

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.

Attach additional pages if necessary. 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: Wells Concrete Products

Street: Hwy 109 E
City, Zip: Wells MN 56097
County: Faribault

MPCA Site ID#: LEAK0000 6378

B. Tank Owner/Operator:

Mailing Address: Wells Concrete Products

Street/Box: Hwy 109 E
City, Zip: Wells MN 56097
Telephone: 507-553-3138

C. Excavating Contractor:
B&H Petroleum Equipment Co
Contact: Gary Eckert
Telephone: 507-387-6629
Tank Contractor Certification
Number: 0092

D. Consultant: B&H Petroleum Eq. Co.
Contact: Gary Eckert
Street/Box: 218 South Victory Drive
City, Zip: Mankato MN 56001
Telephone: 507-387-6629

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

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.

II. DATES

A. Date release reported to MPCA: 6/4/93

B. Dates site work performed:

Work Performed	Date
<u>REMOVE TANKS + SOIL</u>	<u>6/4/93</u>
_____	_____
_____	_____
_____	_____

III. RELEASE INFORMATION

A. Provide the following information for all removed tanks.

Tank 1: Capacity 1000 Type Steel Age _____

Condition: Lite Pitting

Product history: #1 Diesel

Approximate quantity of petroleum released, if known:

None

Cause of release:

None

Tank 2: Capacity 6000 Type Steel Age _____

Condition: Lite Pitting

Product history: #2 Diesel

Approximate quantity of petroleum released, if known:

Unknown

Cause of release:

Unknown

Tank 3: Capacity 6000 Type Steel Age _____

Condition: Lite Pitting

Product history: U/L

Approximate quantity of petroleum released, if known:

None

Cause of release:

None

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B. Provide the following information for all existing tanks.

Tank No.	Capacity	Contents	Type	Age
<u>N/A</u>	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

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

Diesel suction line leaking at tank

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

None

IV. EXCAVATION

A. Dimensions of excavation: 45 X 12.5 X 12'

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

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

D. Quantity of contaminated soil removed (cubic yards): 80
[Note: If more than 400 cubic yards removed, please attach copy of written approval from MPCA.]

E. Was ground water encountered or was there evidence of a seasonally high ground water table? At what depth? NO

F. If a soil boring was required (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. NO

G. If no soil boring was required, explain. AFTER BACK FILL WAS REMOVED, ALL SIDE WALLS & BASE WERE B.O.L.

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- 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 other unique conditions associated with this site? If so, explain.

No

V. SAMPLING

- A. Briefly describe the field screening methods used to distinguish contaminated from uncontaminated soil:

Soil samples collected with disposable gloves are placed into (1) pint jars, covered with tin foil and capped. Soils are agitated and placed in a warm area, agitated again after 15 min. The tin foil is punctured with the inlet of a thermal OVM and the highest reading is taken from it's max. hold read out.

- B. List soil vapor headspace analysis results. Indicate 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. 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.

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Sample Code	Soil Type	Reading ppm	Sample Code	Soil Type	Reading ppm
		<i>SEE ATTACHED</i>			

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

D. List below the 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	Benzene ppm	Ethyl-benzene ppm	Toluene ppm	Xylene ppm	MTBE ppm	Lead ppm
		<i>SEE ATTACHED</i>					

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 and depth of excavation;
 - e. Location of soil screening samples (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 additional investigation is necessary at the site, as discussed in part VI 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.

AFTER CONTAMINATED BACKFILL WAS REMOVED, BASE & SIDE WALLS TESTED BDL. LAB ANALYSIS CONFIRMED THESE FINDINGS. B-H RECOMMENDS NO ADDITIONAL INVESTIGATION IS NEEDED AT THIS TIME

VIII. SOIL TREATMENT INFORMATION

- A. Soil treatment method used (thermal, land application, other). If you choose "other" specify treatment method: CAND
- B. Location of treatment site/facility: Being applied for.

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): Pending

D. Identify the location of stockpiled contaminated soil:
WELLS CONCRETE, WELLS, MA.

IX. CONSULTANT (OR OTHER) PREPARING THIS REPORT

Company Name: B&H PETROLEUM EQ.
Street/Box: 218 SO VICTORY DR.
City, Zip: MANICATO, MA. 06001
Telephone: 507-387-0629
Contact: GARY ECKERT

Signature: _____

Date: 8/1/93

If additional investigation is not required at the site, please mail this form and all necessary attachments to:

(Project Manager)
Minnesota Pollution Control Agency
Hazardous Waste Division
Tanks and Spills Section
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

If additional investigation is required at the site, include this form as an appendix to the Remedial Investigation/Corrective Action Design report. Excavation reports indicating a remedial investigation (RI) is necessary will not be reviewed by MPCA staff until the RI has been completed.

Upon request, this document can be made available in other formats, including braille, large print and audio tape. TDD users, call the Minnesota State Relay Service, 612/297-5353 or Greater Minnesota TDD 1-800-627-3529.

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