

M. NESOTA POLLUTION CONTROL AGENCY
TANKS AND SPILLS SECTION
ABOVE/BELOW GROUND RELEASE REPORT

8/89

Report taken by: DFT

Date/time occurred:

Date/time of report: 10/11/89

Date/time discovered: 10/11/89

CALLER*

name: Karen Peters

phone: 933-4800

relationship to site:

Pump & meter

INSTALLATION*

name: Control Data Corp

street: 511 11th Ave So

city, zip: Minneapolis 55415

Hennepin County

MATERIAL RELEASED/AMOUNT*

Fuel Oil

LEAK # Leak 00001771

USTIS # MNUST-0001718

STATE or FEDERAL

EMERGENCY DECLARED? YES

NO

RP

FF

SITUATION (HOW/WHY)

LUST

VAPOR/ WATER/ OTHER

SITE INVESTIGATION - NO BUT NEEDED

ACTIVE: RP

ACTIVE: FF

CORRECTIVE ACTION - NO BUT NEEDED

ACTIVE: RP

ACTIVE: FF

ENFORCEMENT (NO) YES (documented)

ACTIVITIES TO DATE (circle)* replacement

(tank removed) size 6000

age _____, contents Fuel Oil

above ground/below ground

30 day notification? YES NO

soil borings

digging, why?

(contamination detected) - odor, staining, instrument, analysis

(soil excavated) 110-130yds

(stockpiled properly) on site

disposal arranged

samples collected

other (specify)

SITE OWNER/RESPONSIBLE PARTY*

name: Control Data Corp

street: 511 - 11th Av So

city, zip: Mpls., MN 55415

contact person: Ken Kivi

phone: 375-8264

SITE OPERATOR*

name:

street:

city, zip:

contact person:

phone:

INSTRUCTIONS GIVEN (circle)*

hire consultant

submit report

staff will call

contact staff

Terricon

AREAS AFFECTED*

surface water

groundwater

sanitary sewer

storm sewer

soil

wells _____

other _____

CONTACTS

Local Fire/Police _____

Local Officials _____

Emergency Services _____

MPCA Region _____

MDA _____

MDOT _____

Other _____

ADDITIONAL INFO - continue on back



Minnesota Pollution Control Agency

August 18, 1995

Mr. Patrick Kriske
United Properties
3500 West 80th Street
Minneapolis, Minnesota 55430

RE: Petroleum Tank Release Site File Closure
Site: Control Data/Business Technology Center, 511 11th Avenue South, Minneapolis
Site ID#: LEAK00001771

Dear Mr. Kriske:

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 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 (1994) 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 (1994), the Minnesota Superfund Law.

Mr. Patrick Kriske
Page 2
August 18, 1995

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 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 612/297-8595.

Sincerely,



Jean Hanson
Project Leader
Cleanup Unit II
Tanks and Spills Section

JH:ms

cc: Karen Nordby, Operations and Regulatory Services, Minneapolis
Tom Gapinske, Terracon Environmental Inc, White Bear
Minnesota Department of Commerce, Petrofund Staff



Minnesota Pollution Control Agency

January 19, 1995

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Resolution Trust Corporation
Control Data
332nd Avenue South
Minneapolis, Minnesota 55401

RE: Petroleum Storage Tank Release Investigation and Corrective Action
Site: Control Data/Business Technology Center, 511 11th Avenue South,
Minneapolis
Site ID#: LEAK00001771

Ladies and Gentlemen:

On October 11, 1989, 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 MPCA files shows that we have no documentation of site cleanup since November 17, 1989. Our last contact regarding this site was a letter from C. S. McCrossan Asphalt Plant confirming that 129.2 cubic yards of contaminated soil were treated on November 15, 1989. To date, the MPCA staff has not received any further reports regarding this site.

MPCA staff requests that an Excavation Report be submitted within 30 days of receipt of this letter. The Excavation report should include a complete status update and should be done in accordance with current MPCA fact sheets.

If you have any questions concerning this letter or need additional information, please call me at 612/297-8595. Please reference the above LEAK # in all correspondence.

Sincerely,

Jean Hanson
Project Leader
Cleanup Unit II
Tanks and Spills Section

JH:smm

cc: Karen Nordby, Minneapolis Department of Operations and Regulatory Services

520 Lafayette Rd. N.; St. Paul, MN 55155-4194; (612) 296-6300 (voice); (612) 282-5332 (TTY)

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UNITED PROPERTIES

**3500 WEST 80TH STREET
SUITE 110
MINNEAPOLIS, MN 55430**

(612) 831-1000

FAX (612) 893-8813

TO: JEAN HANSON
297-8676

DATE: 2/17/95

FROM: PATRICK KRISKE

RE: TANK REMOVAL

TOTAL PAGES INCLUDING THIS TRANSMITTAL 18

COMMENTS: The excavation report
for the 511 11TH AVE. SOUTH
Building is attached.

Please call me if you
have questions - I am the
current property manager.

ORIGINAL MATERIAL WILL:

- Be sent via overnight
- Be sent via courier
- Be sent via regular mail
- Will not be sent

PAT KRISKE
893-8889

Terracon

**TANK EXCAVATION OBSERVATION
PUMP & METER/CONTROL DATA CORPORATION
BUSINESS AND TECHNOLOGY CENTER
511 11TH AVENUE SOUTH
MINNEAPOLIS, MINNESOTA
TERRACON PROJECT NO. 41895066
November 22, 1989**

Terracon

ENVIRONMENTAL, INC.

3201 Hoffman Road East
Wheat Ridge, Minnesota 55090
(612) 770-1657

Mr. A. Conover, III
John F. Conover, III
John F. Conover
Ken Conover
William F. Conover
Thomas F. Conover

November 22, 1989

Pump & Meter Services, Inc.
1800 2nd Street South
Hopkins, Minnesota 55343

Attn: Mr. Joe Radermacher

Re: Tank Excavation Observation
Control Data Corporation
Business and Technology Center
511 11th Avenue South
Minneapolis, Minnesota
Terracon Project No. 41895066

Dear Mr. Radermacher:

Attached is our report which presents the data obtained during the tank excavation observation. Hydrocarbon contamination was noted around the immediate facility of the tank but was very localized. Please refer to the report for information.

If you have any questions regarding this report, do not hesitate to contact our office.

Very truly yours,



Tom Gapinske
Senior Hydrogeologist

TG/ck

TANK EXCAVATION OBSERVATION
PUMP & METER - CONTROL DATA CORPORATION
511 11TH AVENUE SOUTH
MINNEAPOLIS, MINNESOTA
TERRACON PROJECT NO. 41895066

INTRODUCTION

Purpose and Scope

On October 11, 1989 Terracon Environmental, Inc. (Terracon) was contracted by Pump and Meter Services, Inc. to evaluate subsurface conditions encountered for the presence of petroleum related hydrocarbons during the excavation of an underground storage tank at the Business Technology Center, located at 511 11th Avenue South, Minneapolis, Minnesota. One 6,000 gallon steel underground #2 fuel oil storage tank was removed. The tank was reported to have been in place since 1981.

The scope of services performed by Terracon consisted of the following:

- * Evaluate soil samples retrieved from the tank excavation for the presence of organic vapors using an hNu photoionization detector.
- * Collect one soil sample from the north side of the excavation, the east side of the excavation, and the stockpiled soil removed during the excavation.
- * Submit the soil samples to Pace Laboratories, Inc. for chemical analysis.

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Pump & Meter/Control Data
Terracon Project No. 41895066
November 22, 1989

Subsurface Conditions

The tank excavation was approximately 30 feet by 20 feet in plan and extended to a depth of 8 feet below grade. The fill encountered surrounding the tank consisted of approximately 2 feet of black topsoil overlying 2.5 to 3 feet of brown silty sand and gravel fill overlying tan fine to coarse sand to bottom of excavation. A concrete slab was encountered directly below the tank at a depth of 8 feet. Groundwater was not encountered in the excavation. The tank had no visible leaks.

Contaminant Observations

Soil samples collected from the base of the excavation and stockpiles were monitored for the presence of organic vapors with an hNu photoionization detector equipped with 11.7 eV lamp. The soil samples were obtained and screened as outlined in the Minnesota Pollution Control Agency (MPCA) guidelines for jar headspace analytical screening. Visual and olfactory indications of contamination were noted. Sidewall samples were not taken due to concern for possible excavation collapse.

Organic vapor readings ranged from non-detectable to 36 parts per million (ppm) in samples taken from the base of the excavation and from 6 to 38 ppm in samples collected from the stockpiles. The soil had a petroleum-like sheen and moderate petroleum-like odor. Figure 3 shows the sample locations and organic vapor readings for organic vapor monitoring.

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Pump & Meter/Control Data
Terracon Project No. 41895066
November 22, 1989

Soil Sampling for Chemical Analyses

One soil sample each was collected from the stockpiled soil, the north side base of excavation, and the east side base of excavation and submitted for chemical analysis. The soil samples were analyzed for benzene, toluene, ethyl benzene, xylenes, total hydrocarbons as gasoline and by hexane extraction for gasoline, #1 and #2 fuel oil. The target parameters were not detected in the samples taken from the north and east base of the excavation. Fuel oil #2 was detected at 15 ppm in the stockpiled soil. These analytical results are presented in Table 1 and the laboratory report is presented in Appendix A.

DISCUSSION

Organic vapor monitoring of soil collected from the excavation below the concrete slab did not reveal detectable levels of organic vapors. Chemical analysis of the soil samples from the base of the excavation did not detect benzene, toluene, ethyl benzene, xylenes, total hydrocarbons as gasoline, #1 or #2 fuel oil at, or above, the method detection limit. These results indicate that the extent of contamination has not migrated beyond the limit of the excavation and a majority of the contaminated soil has been removed. Chemical analysis of the soil sample taken from the stockpiled soil detected #2 fuel oil at 15 ppm. The stockpiled soil has since been transported to C.S. McCrossan, Inc. for treatment.

RECOMMENDATIONS

Terracon recommends the following:

- * Submit this report to the MPCA for their review.
- * Petition the MPCA for site closure.

General Comments

The analysis expressed in this report are based upon data obtained from the soil evaluation and chemical analysis at the indicated location or from other information discussed in this report. This report does not reflect any variations in subsurface stratigraphy, hydrogeology and contaminant distribution which may occur across the site. Actual subsurface conditions may vary and may not become evident without further assessment.

This report is prepared for the exclusive use of our client for a specific application to the project discussed and has been prepared in accordance with generally accepted environmental engineering practices. No other warranty, expressed or implied, is made. In the event any changes in the nature or location of suspected sources of contamination as outlined in this report shall not be valid unless these changes are reviewed and the opinions of this report are modified or verified in writing by Terracon Environmental, Inc.

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Pump & Meter/Control Data
Terracon Project No. 41895066
November 22, 1989

TERRACON ENVIRONMENTAL, INC.



Jeff A. Solheim
Geological Engineer



Tom Gapinske
Senior Hydrogeologist

JAS/TG:ok

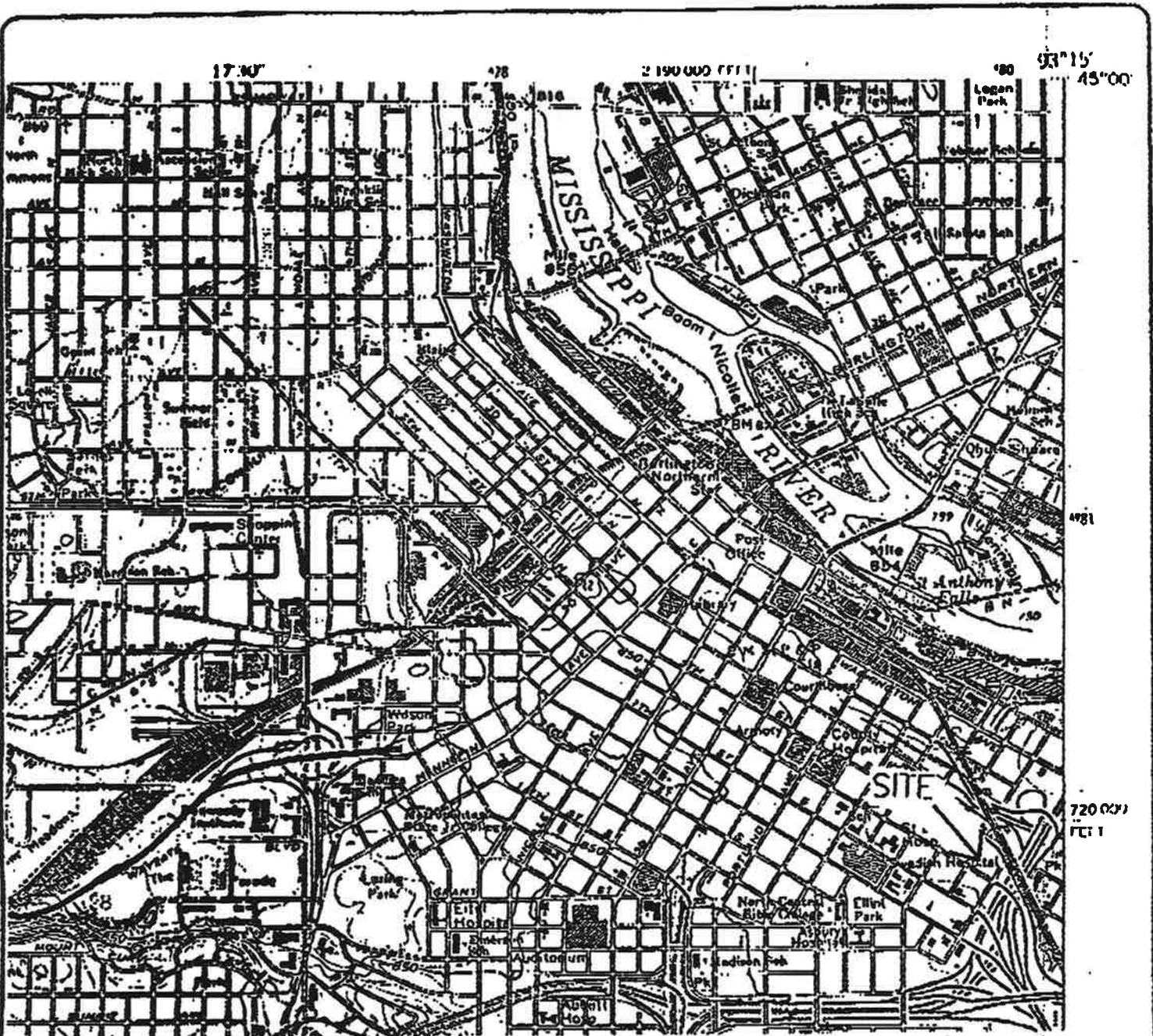


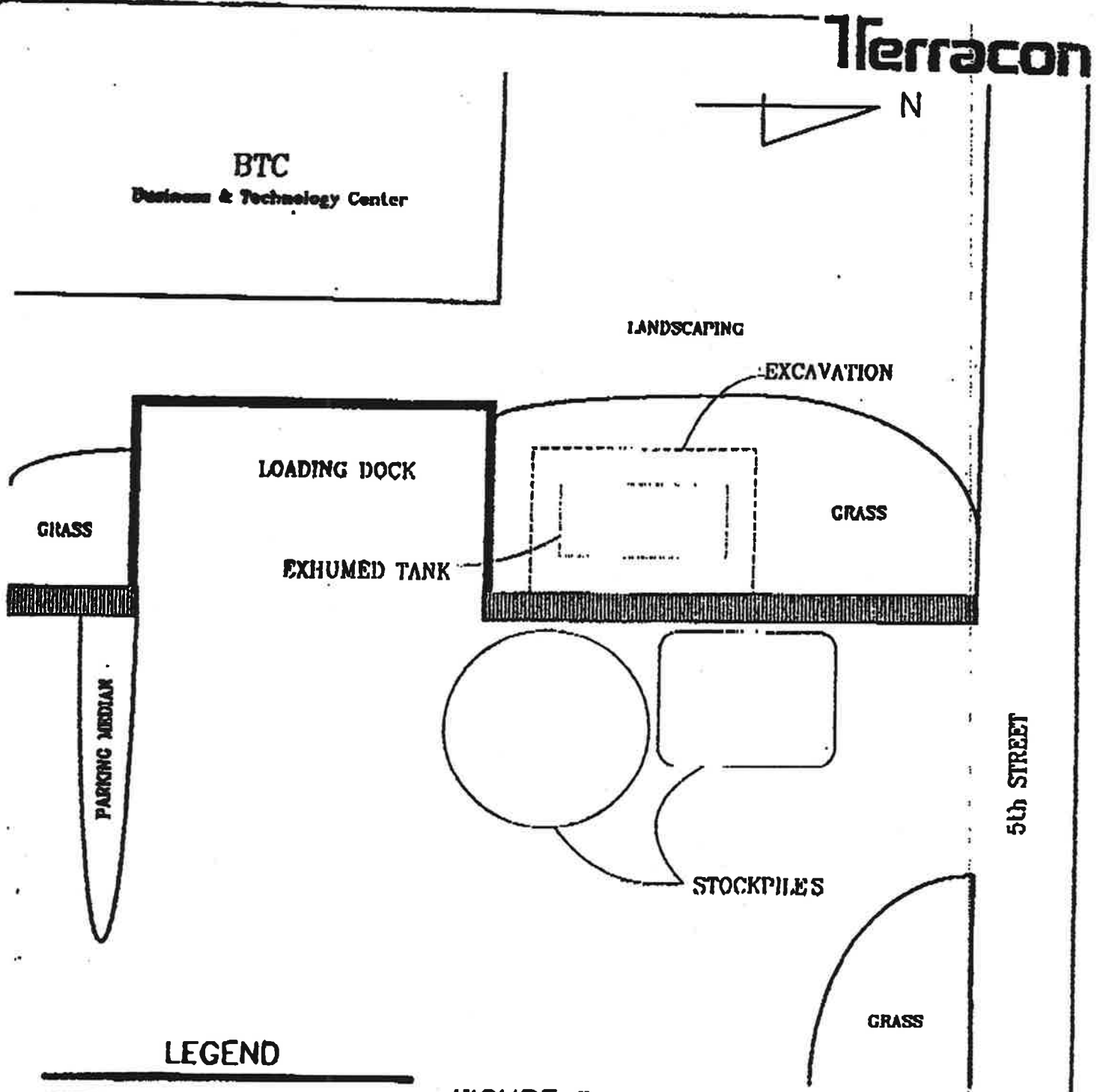
FIGURE 1

USGS SITE LOCATION MAP
PUMP & METER/CONTROL DATA CORP.
BUSINESS AND TECHNOLOGY CENTER
511 11TH AVENUE SOUTH
MINNEAPOLIS, MINNESOTA
TERRACON PROJECT NO. 41895066







MINNEAPOLIS SOUTH, MINN.

Terracon



LEGEND

-  EXTENT OF EXCAVATION
-  EXHUMED TANK
-  STOCKPILE
-  SIDEWALK

APPROXIMATE SCALE
 0 20
 ONE INCH = 20 FEET

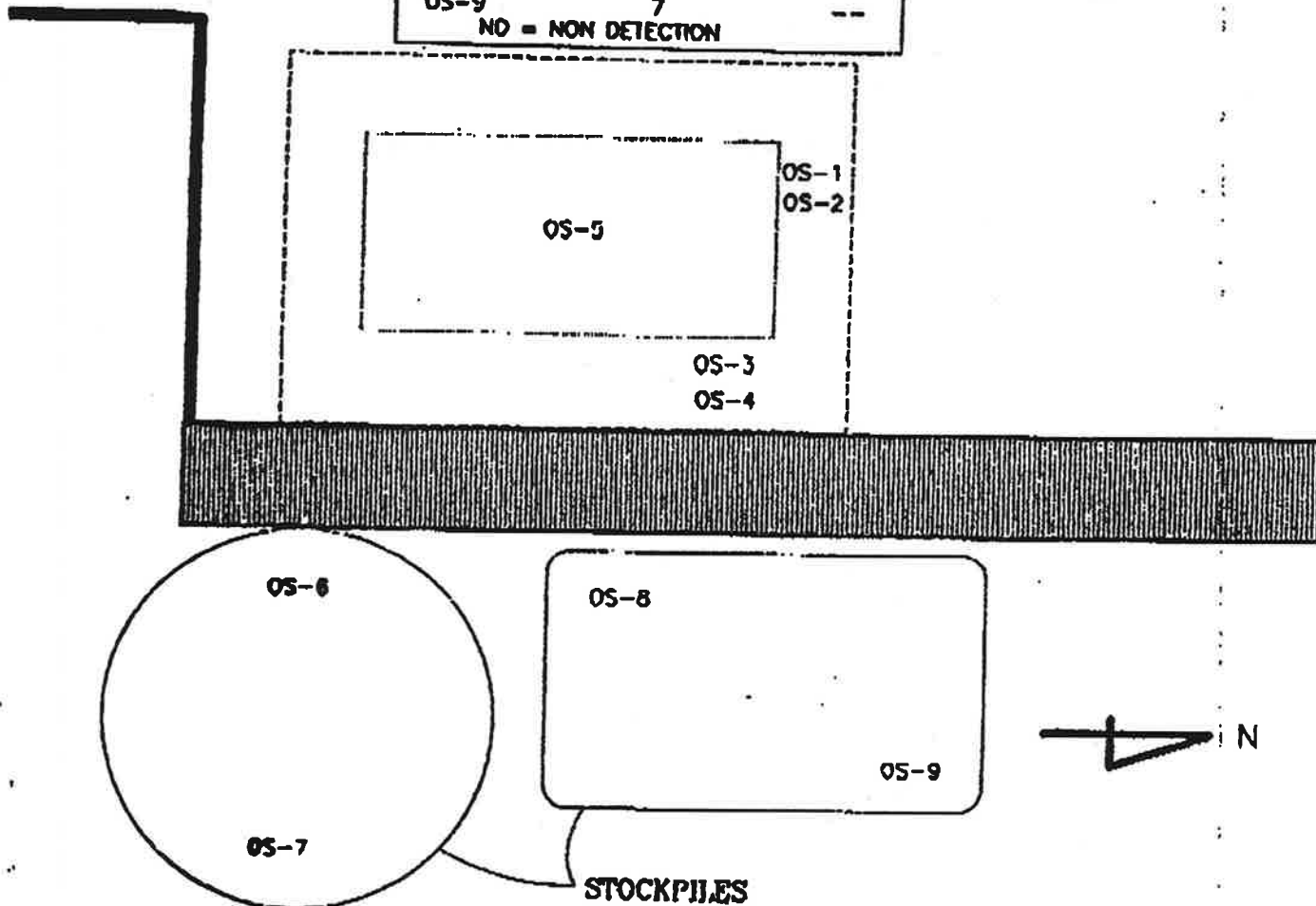
FIGURE 2

SITE MAP
 PUMP & METER/CONTROL DATA CORP.
 BUSINESS AND TECHNOLOGY CENTER
 511 11TH AVENUE S.
 MINNEAPOLIS, MINNESOTA
 TERRACON PROJECT NO. 41895066
 OCTOBER 11, 1989

Terracon

ORGANIC SAMPLE DATA		
SAMPLE	hNu READING (ppm)	DEPTH (FT.)
OS-1	38	8.0
OS-2	ND	10.0
OS-3	ND	9.0
OS-4	ND	12.0
OS-5	13	8.0
OS-6	38	--
OS-7	8	--
OS-8	5	--
OS-9	7	--

NO = NON DETECTION



LEGEND





-  LIMIT OF EXCAVATION
-  EXHUMED TANK
-  SIDEWALK
-  STOCKPILL

FIGURE 3

ORGANIC VAPOR SAMPLE MAP
 PUMP & METER/CONTROL DATA CORPORATION
 BUSINESS AND TECHNOLOGY CENTER
 511 11TH AVENUE SOUTH
 MINNEAPOLIS, MINNESOTA
 TERRACON PROJECT NO. 41895066
 OCTOBER 11, 1989

APPROXIMATE SCALE
 0 10

TABLE 1

PUMP & METER/CONTROL DATA CORPORATION
 511 11TH AVENUE SOUTH
 MINNEAPOLIS, MINNESOTA
 TERRACON PROJECT NO. 41895066

ANALYTICAL RESULTS
 OCTOBER 11, 1989

	<u>Stockpiled</u> <u>Soil</u>	<u>North Side</u> <u>of Excavation</u>	<u>East Side</u> <u>of Excavation</u>	<u>MDL</u>
Volatiles				
Benzene	ND	ND	ND	0.12
Toluene	ND	ND	ND	0.12
Ethyl Benzene	ND	ND	ND	0.12
Xylenes	ND	ND	ND	0.12
Total Hydrocarbons as Gasoline	ND	ND	ND	0.12
Hexane Extract				
Gasoline	ND	ND	ND	3.3
#1 Fuel Oil	ND	ND	ND	3.3
#2 Fuel Oil	ND	ND	ND	3.3

All values in mg/kg
 ND - Not detected at or above the method detection level
 MDL - Method detection level

METHODS

Organic Vapor Monitoring

Soil samples were recovered from the tank excavation using a backhoe. Soil was transferred directly from the bucket on the backhoe to a glass mason jar lined with aluminum foil. The cover was subsequently placed on the mason jar. After 15 minutes the cover was removed and the probe on the hNu inserted through the aluminum foil liner. The organic vapor levels were recorded on the field notes.

An hNu photoionization detector equipped with a 10.2 eV lamp was employed for organic vapor monitoring. The hNu calibrated to a benzene standard prior to mobilization to the site. The hNu provides a direct reading in parts per million (ppm) as referenced to the benzene standard.

*Control Data
 Ken Kipi
 212-8169*

Terracon Consultants
 3584 Hoffman Rd. E.
 White Bear Lake, MN 55110

October 17, 1989
 PACE Project
 Number: 891011529

Attn: Mr. Paul Wiese

BM/Control Data.

PACE Sample Number:	381640	381650	381660
Date Collected:	10/11/89	10/11/89	10/11/89
Date Received:	10/11/89	10/11/89	10/11/89

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>Stock Piled Soil</u>	<u>North Side Of Excav.</u>	<u>East Side Of Excav.</u>
------------------	--------------	------------	-------------------------	-----------------------------	----------------------------

ORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Moisture content			-	*	*
Moisture content	%	1.0	5.8	-	-

VOLATILE PETROLEUM RELATED COMPS IN SOIL

Date Analyzed			10/16/89 #	*	*
Benzene			-	*	*
Benzene	mg/kg	0.12	ND #	-	-
Toluene			-	*	*
Toluene	mg/kg	0.12	ND #	-	-
Ethyl benzene			-	*	*
Ethyl benzene	mg/kg	0.12	ND #	-	-
Xylene			-	*	*
Xylene	mg/kg	0.12	ND #	-	-
Total Hydrocarbons as gasoline			-	*	*
Total Hydrocarbons as gasoline	mg/kg	1.0	ND #	-	-

HEXANE EXTRACT PETROLEUM PRODUCTS SOIL

Date Analyzed			10/11/89	*	*
Date Extracted			10/11/89	*	*
Gasoline			-	*	*
Gasoline	mg/kg	3.3	ND	-	-
Fuel oil #1			-	*	*
Fuel oil #1	mg/kg	3.3	ND	-	-
Fuel oil #2			-	*	*

MDL Method Detection Limit
 * Analytical results are not available.
 # Data subject to final review.
 ND Not detected at or above the MDL.

Mr. Paul Hiese
 Page 2

October 17, 1989
 PACE Project
 Number: 891011529

Parameter	Units	MDL	381640	381650	381660
PACE Sample Number:					
Date Collected:			10/11/89	10/11/89	10/11/89
Date Received:			10/11/89	10/11/89	10/11/89
			Stock	North Side	East Side
			Piled Soil	Of Excav.	Of Excav.

ORGANIC ANALYSIS

HEXANE EXTRACT PETROLEUM PRODUCTS SOIL
 Fuel oil #2

mg/kg 3.3 15 - -

HEXEX EXTRACTION

Date Extracted * * *
 Initial Volume/Weight * * *

MDL Method Detection Limit
 * Analytical results are not available.

The analyses of soil samples were performed 'as received' and do not reflect analyses on a dry weight basis unless indicated.

The data contained in this report were obtained using EPA or other approved methodologies. All analyses were performed by me or under my direct supervision.

Susan D. Max
 Organic Chemistry Manager

CHAIN-OF-CUSTODY RECO
Analytical Request

Client: Tenaron Fair

Address: 3584 Hoffman Rd E

White Bear Lake, MN 55110

Phone: (612) 770-1520

Sampled By (PRINT): Paul J. Liese

Sampler Signature: Paul J. Liese Date Sampled: 11/11/89

Sample Address: Paul J. Liese

Report To: Paul J. Liese

Bill To: ↓

P.O. # / Billing Reference: 41845066

Project Name / No.: BMP/Parade Club 41845066 Requested Due Date: See B

Trace Client No. _____

Pace Project Manager _____

Pace Project No. _____

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PAGE NO.	NO. OF CONTAINERS			ANALYSES REQUEST	REMARKS
					UNPRESERVED	PRESERVATIVES			
					H ₂ O	SO ₄	VOA		
1	Sub A1ed soil	1145	soil	3			HCl	X	BTEX Total Hydrocarbons Total Hydrocarbons
2	North side of Excavation	1125	soil	3				X	
3	East side of Excavation	1113	soil	3				X	
4									
5									
6									
7									
8									

Additional Comments: Item #1 in priority → 48 hour turnaround, FAX results to Paul J. Liese at Tenaron when available

Item #2, 3, 4 (3-4 weeks)

REIMBURSED BY AFFILIATION
City of St. Paul

ACCEPTED BY AFFILIATION
pace lab
EEB univ. grade 10-11-89

UNDERGROUND STORAGE TANK REMOVAL INFORMATION FORM

This Form Is Provided To Tank Owners And Operators, Fire Department Representatives And Others To Assist The Observation Of Underground Storage Tank Removals. It Is The Legal Duty Of The Tank Owner And Operator To Report Any Evidence Of Petroleum Contamination To The Minnesota Pollution Control Agency (MPCA).

Observer Jeff Solheim Date: 10 11 89 Time: 1030

Signature: Jeff Solheim
 Organization Name: Terracon
 Position: Field Engineer
 Address: 3584 Hoffman Rd E City: White Bear Lake
 Telephone No. (a) (h) 770-1500

===== TANK INFORMATION =====

Tank Owner Name: Control Data Corp. Title: Site Engineer
 Contact Person: Ken Kivi
 Tank Location Name: Business Tech. Center City: Mpls
 Address: 511 11th Avenue Telephone Number: 375 8264
 County: Hennepin
 Excavation Contractor: P4M
 Address: 1800 2nd Street S.
 Telephone Number: (612) 933-4800

TANK	Condition & Size	Contents (Product)	Visible Corrosion	Visible Leakage	Soil Contamination
1	4wd 6000gal	#2 Fuel Oil	NO	NO No	YES
2					
3					
4					
5					
6					

===== SOIL CONDITIONS WITHIN THE EXCAVATION =====

1. Detectable Petroleum Contamination Was Found? (YES) / NO
2. Petroleum Odors: (Circle: Weak, Moderate, Strong) (YES) / NO
3. Visible Petroleum Product In Soil: Slight Sheen on Soil (YES) / NO
4. Sheen On Water Mixed With Soil: NA YES / NO
5. Sheen On Ground Water In Excavation: NA YES / NO
6. Petroleum Product On Ground Water In Excavation: NA YES / NO
7. Vapor Detection Instrument Used (GNI) or other device) (YES) / NO
8. Soil Samples Taken From Under Tank(s) (YES) / NO
9. Soil Type: (Circle: Clay, Silt, Sand, Gravel, Fill)
11. Pictures Taken: Y / N, By: Petermann Where: MPLS
10. Tank Disposed By: Petermann

The Minnesota Pollution Control Agency (MPCA) must be notified immediately of any evidence of petroleum contamination
 24 Hour Emergency Leak or Spill Number: (1-612-296-8100)
 During Business Hours: (1-612-296-7235) or (1-612-296-7709)

ADDITIONAL COMMENTS, DETAILS AND DESCRIPTIONS:

- TANK WAS INSTALLED IN 1981
- * → LEAKAGE NOTED BY LINES ABOVE TANK
- DID NOT TAKE OUT CEMENT SLAB
- TOOK ANALYTICAL SAMPLES FROM STOCKPILE AND BELOW END OF SLAB AND SENT TO PACE LABS

Sketch the property site and tank location(s) in the space provided below.

NORTH

WEST

EAST

SOUTH

Please fill out this form as completely as possible. Provide a copy to the local Fire Department Official and send the original form to the MPCA at the address below.

Minnesota Pollution control Agency
Tanks and Spills Section
Hazardous Waste Division
520 Lafayette Road, St. Paul, Minnesota 55155