

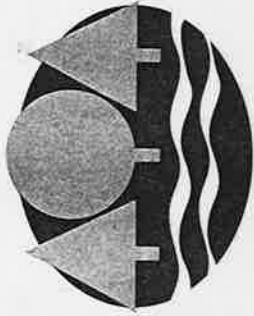
#3967

Leaksite ID# 3967
HILLS UNIQUE GIFTS
Site Name

Tank Facility ID 9071
JOHN HILL
Responsible Party

LEAKSITE REMARKS

- 04/29/91- release report; call from Tom Greene (consultant-Applied Eng.)
05/02/91- call from Tom Greene; on site, at 400 yds., continue
contaminated soil removal; MEK
05/02/91- Call from Dan Mulrennen; on site at 800 yds and still very
high levels (200+ hNu); MEK
05/03/91- call from Dan M.; on site, at 1200 yds, still high levels
concentrate on high levels (50+) and call at 1500 yds.; MEK
05/03/91- fax from Applied, showing tank locations and basins...
phone conv. w/ Tom Greene; at 1400 yds.; plan to take sample
at west wall basin A and stop; move to fuel oil tanks and
address FO contamination and offsite FO contamination...fax...
05/08/91- fax and call from Tom Greene; at 2,000 yds; further dig around
gas tanks to west, then go several feet (40+) out and complete
a test pit...take sample; MEK
05/10/91- Std. letter mailed to John Hill of Hill's Unique Gifts; MEK
05/10/91- fax from Applied showing status, overall picture and sample
locations; MEK
08/07/91- fax from Applied; horizontal boundary not completely defined;
08/08/91- call from Tom Greene; "should complete receptor survey";
10/26/91 - NHM land application approval completed.
10/28/91- Excavation report from Applied Engineering rec'd; MEK
10/30/91- Rec'd Land Application approval letter from Nancy Mortland
along with original application.; MEK
11/06/91- MEK- rec'd signed thermal treatment application for treatment
at Aitkin Blacktop by 11/15/91;
12/12/91- Notified by Marshall that soils from Kasal's have been moved
to Craig Reiner Land Application site w/o approval from the
County. County has stated "Soils must be removed in 30 days
or violation."; MEK
12/18/91- meeting w/ Mike Kanner, Ann Bidwell, Ann Cohen, Becky Lofgren,
and Mark Koplitz on soil stockpile; MEK
01/23/92- letter stating position of county and MPCA and status will be
drafted to send to Kasal; from Ann B. and Mark K.; MEK
Ann C. and Mike K. dealing with Kasal farms...;
06/15/92- MEK- copy of land app. and land app. approval rec'd from NHM;
Nancy and Barb Hearley have discussed situation on land app.
and land app. notification with Eric Lipke of Stewart Energy
Products, sometime in March;
07/09/92- MEK- rec'd SCAP from John Hill;
08/21/92- MEK- revised scap site specific mailed;
08/26/92- MEK- reimbursement/CSR review;



Minnesota Pollution Control Agency

February 24, 1995

Mr. John Hill
Former Hill's Amoco
P.O. Box 565
Hector, Minnesota 55342

RE: Petroleum Tank Release Site File Closure
Site: Former Hill's Amoco, Highway 212 and Second Street East, Hector
Site ID#: LEAK00003967

Dear Mr. Hill:

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 information provided by state and local officials, changes in program policy and information provided by your consultant, previously requested work is no longer considered necessary. 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 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 (1992) 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 (1992), the Minnesota Superfund Law.

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 Petro Board. Specific eligibility rules are available from the Petro 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. John Hill

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February 24, 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 612/297-8611.

Sincerely,



Mark Koplitz
Project Manager
Cleanup Unit 1
Tanks and Spills Section

MK:smm

cc: Mary Saeger City Clerk, Hector
Jon Hintze, Fire Chief, Hector
Doug Knutson, Renville County Solid Waste Officer
Tom Greene, Applied Engineering, Inc.

RECEIVED BY THE BOARD OF SUPERVISORS

Page Two
Mr. Johnnie Hill
October 25, 1991

4. Soils shall be spread to a thickness of no more than **four inches** and incorporated into the top four to six inches of native soil as outlined in part II.E of the MPCA land application document. Soils shall be disked once per month during the growing season.
5. The land-applied soil shall be sampled and reports shall be submitted in accordance with part III.C of the MPCA land application document until analyses indicate 10 parts per million total petroleum hydrocarbons or lower. The MPCA form entitled "Soil Monitoring Results for Land Applied Petroleum Contaminated Soil" should be used for reporting.
6. The MPCA's approval of this application does not release the applicant from any duty to comply with county or local ordinances.
7. The MPCA form "Notification of Land Application of Petroleum Contaminated Soil" (May 1991) shall be submitted to the MPCA within seven days following land application.
8. Due to the large volume of soil land-applied at the site, subsurface soil monitoring is also required. Subsurface soil samples shall be collected from the 30 to 36 inch depth increment and from the 54 to 60 inch depth increment. These two samples shall be grab rather than composite samples and shall be collected from near the center of each of the five composite sample collection areas that are established for surface soil monitoring (i.e. ten subsurface soil samples will be collected per sampling event). To prevent cross contamination of subsurface samples from surface soil, samples collected from depth should be relatively undisturbed. The MPCA form entitled "Soil Monitoring Results for Land-Applied Petroleum Contaminated Soil" should be used for reporting. The composite sample area and depth increment for each sample test result must be reported.



Minnesota Pollution Control Agency

October 25, 1991

Mr. Johnnie Hill
Hill's Unique Gifts
P.O. Box 565
Hector, MN 55342

Dear Mr. Hill:

RE: Approval of Land Application of Petroleum Contaminated
Soil
Site: Hill's Unique Gifts, Hector
Site ID#: 3967

The application dated October 9, 1991, to land apply approximately 2448 cubic yards of petroleum contaminated soil from the above-referenced leake site is hereby approved by staff of the Minnesota Pollution Control Agency (MPCA). The approval is based upon the MPCA staff's understanding that the appropriate county and local officials have been notified and/or have given approval for the land application of this soil and is subject to the following additional conditions:

1. Stockpiled soils shall be protected from infiltration and run-off prior to land application.
2. Soil shall be applied to land located on the Craig Reiner property, consisting of approximately 4.6 acres in the NE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 6, T115N, R30W, Collins Township, McLeod County.
3. The land application site shall be marked with stakes and/or flags prior to the application of petroleum contaminated soil. The stakes surrounding the plot shall be marked with the appropriate MPCA leake site number. The stakes shall remain in place until all follow-up monitoring requirements as defined in the MPCA document "Land Application of Petroleum Contaminated Soil: Single Application Sites" (May 1991) are fulfilled.

Contents

1. Excavation Report for Petroleum Release Sites
2. Site Location Map
3. Site Plan
4. Soil Vapor Locations
6. Soil Sample Locations
7. Contamination Remaining in Place Plan
8. Lab Analyses

EXCAVATION REPORT FOR PETROLEUM RELEASE SITES

Minnesota Pollution Control Agency
Tanks and Spills Section
May 1991

MPCA Leak # 3967*
Applied Engineering Project #1129
Hill's Unique Gifts, Hector, Minnesota
October 21, 1991

***MPCA files for leak numbers 3689 and 3967 are to be merged together.**

The information below should be completed and submitted to the Minnesota Pollution Control Agency (MPCA) Tanks and Spills Section to document excavation of petroleum petroleum affected soil. Excavations must be done in accordance with the MPCA document "Excavation of Petroleum Contaminated Soil". Preliminary site investigation reports (if conducted) should be included with this report.

Additional pages may be attached.

I. BACKGROUND

A. Site: Hill's Unique Gifts
Street: Hwy 212 and Second St.
City, Zip: Hector, 55432
County: Renville

MPCA Site ID#: LEAK00003967

B. Tank Owner/Operator: John Hill

Mailing Address: same
Street/Box:
City, Zip:
Telephone: 612-848-6315

C. Excavating Contractor: Stewart Energy Products
Contact: Eric Lipke
Telephone: 800-223-2971
Tank Contractor Certification #: 0054

D. Consultant: Applied Engineering
Contact: Thomas Greene
Street: 2905 Oak Lea Terrace
City, Zip: Wayzata, 55391
Telephone: 612-939-9095

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

Nancy Mortland, MPCA, Region IV Office

II. DATES

A. Date release reported to MPCA: 4-29-91; Chris Mclain, 10:30 A.M. (As noted above, MPCA files for leak numbers 3689 and 3967 are to be merged; MPCA Leak # 3689 was reported to the MPCA at an earlier date by others.)

B. Dates Site Work Performed:

Work Performed:

Date:

Tank Excavation Started

4/29/91

Excavation Continued Through

5/07/91

III. RELEASE INFORMATION

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

Tank 1: Capacity: 2,000 gal Type: Steel Age: ~23 yrs.

Condition: Some oxidation and pitting; no holes observed.

Product History: Gasoline

Approximate quantity released, if known: Unknown

Cause of Release: Overfills/line leaks possible

Tank 2: Capacity: 2,000 gal Type: Steel Age: ~ 23 yrs

Condition: Some oxidation and pitting; no holes observed

Product History: Gasoline

Approximate quantity released, if known: Unknown

Cause of Release: Overfills/line leaks possible

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MPCA Leak #3967; AE #1129

Tank 3: Capacity: 4,000 gal Type: Steel Age: ~ 21 yrs
Condition: Oxidized, some pitting, no visible holes
Product History: Gasoline
Approximate quantity released, if known:
Unknown
Cause of Release: Overfills/line leaks possible.

Tank 4: Capacity: 10,000 gal Type: Steel Age: ~ 21 yrs
Condition: Oxidized, pitted otherwise good
Product History: Gasoline
Approximate quantity released, if known:
Unknown
Cause of Release: Overfills/line leaks possible

Tank 6: Capacity: 560 gal Type: Steel Age: 35+ yrs.
Condition: Very oxidized, pitted, multiple holes.
Product History: Fuel oil
Approximate quantity released, if known:
Unknown
Cause of Release: Most likely holes in tank

Tank 5: Capacity: 575 gal Type: Steel Age: 35+ yrs.
Condition: Oxidized, pitted, no holes observed
Product History: Waste Oil
Approximate quantity released:
Not known to be leaking. The tank was full
of oil prior to removal and had not been used in
approximately six years.
Cause of release: N/A

B. Provide the following information for all existing tanks:
All known tanks were removed, no new tanks were installed.

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

Although no evidence was found indicating a problem with the lines or dispensers they may have been a contributing factor.

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

Regarding tanks 1 through 4, the cause of release was probably occasional overfills. According to the owner, Amoco had a program approximately ten years ago to fill the tanks to their capacity several times per week. Such a frequency of potential overfills is compatible with the field observations during excavation.

IV. EXCAVATION

Summary:

Applied Engineering was hired by the general contractor, Stewart Energy Products, to document the tank removal and to perform related environmental work from 4/29/91 to 5/07/91 at Hill's Unique Gifts in Hector, Minnesota. The scope of work being accomplished by the general contractor was to remove the owner's underground storage tank system.

During the tank removal, at least two separate releases were identified; one associated with the gasoline tank basin and the other was related to the fuel oil tank. As discussed with Mark Koplitz of the MPCA, the excavation concentrated on the most severely affected soil, generally soil with HNU readings above 50 ppm in the gasoline tank basin.

As the excavation progressed, soil with HNU levels greater than 50 ppm was removed from the excavation and stockpiled. Soil with HNU levels below 50 ppm was left in place or separated and later used as backfill.

Excavation continued until either favorable bottom and sidewall soil vapor measurements were achieved, until further excavation was blocked by structures, or until directed to stop by the MPCA.

MPCA approval to remove ~2100 CYS of petroleum affected soil was obtained from Mark Koplitz who remained in close contact throughout the course of the field work. Although some contaminated soil still remains in place related to both the fuel oil and gasoline releases, the excavation was halted at the request of the MPCA.

New Tank and Lines: No new tanks were installed.

A. Dimensions of excavation: approx. 115' x 40' x 12' deep
75' x 35' x 12' deep

October 21, 1991

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

C. Native Soil Type (clay, sand, etc.):
1-4 ft. Black Organic soil, 4-13 ft. Clay

D. Quantity of contaminated soil removed (cubic yards):

Approx. 2163 CY (~ 1463 gasoline / ~ 700 fuel oil)

E. Was ground water encountered or was there evidence of a seasonally high ground water table? No At what depth?
FRONT & SIDE (SOUTH) (EAST) BACK (NORTH)

Water was encountered at various depths, however, this is believed to be perched water and not directly connected to any aquifer.

F. If a soil boring was necessary (as indicated in part VI of "Excavation of Petroleum Contaminated Soil" for sand and silty sand native soils) describe the soil analytical and soil vapor headspace results. Attach the boring logs and laboratory results to this report.

N/A. (Soil borings were accomplished by Sunny's Cafe, * but results were deemed confidential and not provided to Applied Engineering)

G. 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.

Although some perched water entered the excavation, there was no sheen or free product on its surface.

H. Was bedrock encountered in the excavation? No
At what depth?

N/A

I. Were there other unique conditions associated with this site? If so, explain.

N/A

V. SAMPLING

A. Briefly describe the field methods (including use of a photoionization detector) used to distinguish contaminated from uncontaminated soil:

Field methods included visual and olfactory senses as well as use of an HNU Photoionization Detector with a 10.2 eV lamp source following MPCA Jar Headspace Analytical Screening Procedure.

B. List soil vapor headspace analysis results. Indicate sampling locations using sample codes (with sampling depths in parentheses), e.g. SV-1 (2'), SV-2 (10'), etc. Samples that were taken at different depths at the same location should be labeled SV-1A (2'), SV-1B (4'), SV-1C (6'), etc. These should correspond with the codes on the site map in part VI.

Shown on attached drawing:

Sample Code	Soil Type	Reading (ppm)
SV 1 (13)	Clay	4
SV 2 (13)	Clay	T
SV 3 (13)	Clay	0.2
SV 4A (7)	Clay	320
SV 4B (12)	Clay	3.5
SV 5 (12)	Clay	7
SV 6A (7)	Clay	325
SV 6B (12)	Clay	7
SV 7 (12)	Clay	9
SV 8 (12)	Clay	12
SV 9 (9)	Clay	195
SV10 (9)	Clay	210
SV11A (4)	Black organic	ND
SV11B (6)	Clay	ND
SV11C (9)	Clay	ND
SV12A (2)	Mixed fill	7
SV12B (4)	Black organic	50
SV12C (6)	Clay	240
SV12D (8)	Clay	480
SV13 (6)	Clay	22
SV14A (4)	Black organic	38
SV14B (6)	Clay	290
SV14C (7)	Clay	3.4
SV14D (9)	Clay	9
SV15 (7)	Clay	15
SV16A (7)	Clay	0.3
SV16B (11)	Clay	14.4
SV17A (8)	Clay	240
SV17B (10)	Clay	240

Sample Code	Soil Type	Reading (ppm)
SV18 (11)	Clay	200
SV19A(4)	Clay	310
SV19B(8)	Clay	190+
SV20A(7)	Clay	240
SV20B(10)	Clay	90
SV21 (13)	Clay	ND
SV22 (9)	Clay	100
SV23 (8)	Clay	162
SV24 (8)	Clay	147
SV25 (7)	Clay	120
SV26 (7)	Clay	25
SV27 (8)	Clay	156
SV28 (7)	Clay	168
SV29A(7)	Clay	240
SV29B(8)	Clay	220
SV29C(10)	Clay	290
SV30A(7)	Clay	305
SV30B(~9)	Clay	290
SV31A(4)	Black organic	300
SV31B(7)	Clay	240
SV31C(~9)	Clay	190
SV32A(6)	Clay	160
SV32B(8)	Clay	117
SV33 (~9)	Clay	9
SV34 (11)	Clay	2.8
SV35A(7)	Clay	148
SV35B(9)	Clay	215
SV36A(4)	Mixed fill	120
SV36B(7)	Clay	164
SV36C(9)	Clay	200

T=Trace

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

Soil sampling followed MPCA recommended procedures including cold storage until delivered to the laboratory. All analyses were performed using EPA or other accepted methodologies.

One sample was taken from beneath tanks 1,2,3 and 5 and two samples were taken from beneath tank # 4. Additional samples were taken from the excavation side walls to determine the extent and severity of the remaining contamination. No sample was obtained from the waste oil tank (tank # 6) because of a cave-in problem against the building sidewall. Fuel oil was identified in soil samples 10,11,12,13,14 and 16. The balance of the samples were either affected by gasoline or were nondetectable.

D. List the appropriate soil sample analytical results below (refer to the MPCA document "Soil and Ground Water Analysis at Petroleum Release Sites"). If the petroleum was not gasoline or fuel oil attach a separate table. Code the samples (with sampling depths in parentheses) SS-1 (8'), SS-2 (4'), etc. These should correspond with the codes on the site map in part VI.

Shown on attached drawing:

Sample Code	THC ppm	Benzene ppm	Ethyl-Benzene ppm	Toluene ppm	Xylene ppm	MTBE ppm	Lead ppm
SS 1 (13)	ND	ND	ND	ND	0.012	ND	11
SS 2 (13)	0.69	ND	0.017	0.071	0.21	ND	11
SS 3 (13)	ND	ND	ND	ND	ND	ND	13
SS 4 (10)	ND	ND	ND	0.015	0.014	ND	11
SS 5 (10)	ND	0.10	ND	ND	ND	ND	11
SS 6 (7)	34	0.10	0.82	ND	2.2	1.0	11
SS 7A (6)	9.7	0.10	0.23	ND	1.1	0.19	13
SS 7B (7)	ND	ND	ND	ND	ND	ND	12
SS 8 (10)	ND	ND	ND	ND	0.005	ND	11
SS 9 (7)	1100	ND	32	85	170	ND	15
SS 10 (8)	1700	0.27	7.1	ND	13	--	14
SS 11 (13)	ND	ND	ND	0.010	0.015	--	14
SS 12 (9)	340	ND	1.5	ND	0.76	--	16
SS 13 (8)	1000	ND	2.5	ND	2.6	--	14
SS 14 (8)	790	ND	1.9	ND	1.9	--	13
SS 15 (7)	3.9	0.096	0.15	ND	0.43	--	13
SS 16 (8)	1200	3.7	21	30	83	--	11
SS 17 (7)	36	0.025	0.73	ND	4.8	--	11
SS 18 (9)	5.4	0.065	0.17	ND	0.074	--	14
SS 19 (9)	14	0.085	0.48	0.16	2.0	--	12
SS 20 (11)	ND	ND	0.008	ND	0.025	ND	14
SS 21 (9)	15	0.17	0.52	1.7	2.2	0.51	12
SS 22 (9)	1300	19	49	64	200	62	13
SS 23 (12)	--	--	--	--	--	--	9.5
SS 24 (12)	ND	ND	0.015	ND	0.10	ND	11

Both fuel oil and gasoline were identified in the lab analyses.

Stockpile Samples:

To reduce laboratory costs, Soil Samples 9,10,13,16, and 22 were used as representative stockpile samples.

Numerous stockpile soil vapor readings were taken during the excavation ranging from 52-490 ppm.

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. SV-1), soil samples (e.g. SS-1), and soil borings (e.g. SB-1). Also, attach all boring logs.
 - f. North arrow and map legend

VII. SUMMARY

Briefly summarize evidence indicating whether or not additional investigation is necessary at the site, as discussed in part VI of the MPCA document "Excavation of Petroleum Contaminated Soil".

Discussion

Soil Contamination:

Based on field observations and as confirmed by laboratory analyses, a significant amount of contaminated soil remains in place at this site. The amount is estimated to be approximately 1100 CY. of retrievable soil and approximately 800 c.y. of soil that is not accessible because of buildings or utilities. The most contaminated soil lies within a zone between 5 and 9 ft. deep. *150ft*

Lateral Extent of Contamination:

Generally, the eastern and southern boundaries of the excavations define the extent of contamination in these directions as the lab results indicate levels of contamination below the MPCA action level of 50 ppm. Some gasoline contaminated soil still remains on the west side of the tank basins for tanks #1 and #2. Fuel oil affected soil remains on the east and north sides of the building (See Drawing # 1129E).

The dense clay soil conditions are such that the vertical extent of contamination consistently ends at the 10 foot to 13 foot depth. This is supported by the results of seven excavation

October 21, 1991

MPCA Leak #3967; AE #1129

samples taken between 10 and 13 ft which were nondetectable and one detected .69 ppm THC as gasoline.

The contamination appears to have occurred through overfills which spread through a zone of black organic soil found throughout the excavated area. This soil was found consistently between 2 and 4 ft. and the petroleum then penetrated into the clay.

Definition of contaminated soil left in place:

Based on field observations and test results, the most severely contaminated soil remaining lies within a zone between 5 and 9 feet in the westerly direction from tanks #1 and #2; east and north of Hill's building; as well as in the area of the south western corner of Sunny's Cafe.

Identification of Potential On and Off site receptors (i.e. water wells, surface water, basements, etc.):

Since the buildings in this area are on city water, there are no identified receptors. The municipal water supply is drawn from wells beyond a 2 mile radius of this site.

In summary, approximately 2163 CY of soil was removed with hydrocarbon concentrations ranging up to 1700 ppm and averaging approximately 1000 ppm. However, sidewall samples indicated soil remaining in place ranging from non-detectable to 1700 ppm. The estimated amount that may be removed without hazard to the adjacent buildings and utilities is approximately 1100 cubic yards. An additional 800 cubic yards remain in place that cannot be excavated due to the close proximity to the buildings.

Ground Water Contamination:

There was no evidence of ground water contamination.

Conclusions:

The majority of the highest concentrations of petroleum contaminated soil was excavated from this site.

Due to the impervious nature of the contaminated clay soil, there is no cost effective means of remediation other than excavation. Although approximately 200 CY could still be excavated on the west side of the tanks 1 and 2 and an additional 900 CY of soil on the north side of the property without impact on building structures or utilities, the remaining 800 CY is in

and source (5)

too close proximity to building structures and utilities to be removed.

Recommendations:

Although soil remains in place with petroleum concentrations of up to 1700 ppm which is higher than the MPCA guideline levels of 50 ppm, as discussed with the MPCA, it is not necessarily recommended that the soil be removed or remediated for the following reasons:

1. The sources of the release, the product tanks and lines, have been removed.
2. Most of the soil with the highest total hydrocarbon concentrations has been removed.
3. The dense clay soils have demonstrated that the vertical migration is limited to 10 - 13 feet deep.
4. No ground water aquifer was encountered.
5. Further excavation may pose a structural hazard to the existing buildings and utilities.

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: McLeod County

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):

Soil treatment pending approval by MPCA, Region IV office.

IX. CONSULTANT PREPARING THIS REPORT

Company Name: Applied Engineering
Street/Box: 2905 Oak Lea Terrace
City, Zip: Wayzata, MN 55391
Telephone: 939-9095
Contact: Thomas A. Greene

This report represents opinion based on accepted analytical, industry, and MPCA standards. However, beyond this, no warranty is expressed or implied.

Signature: Thomas A. Greene Date 10-21-91

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
St. Paul, MN 55155

If additional investigation is required at the site, this form should be included as a section in the Remedial Investigation/Corrective Action Design report. Excavation reports which indicate that a remedial investigation (RI) is necessary will not be reviewed by MPCA staff until the RI has been completed.



2006 Oak Lea Terrace
Wayzata, MN 55901

SITE LOCATION MAP

HILL'S UNIQUE GIFTS

HWY 212 & 2ND ST

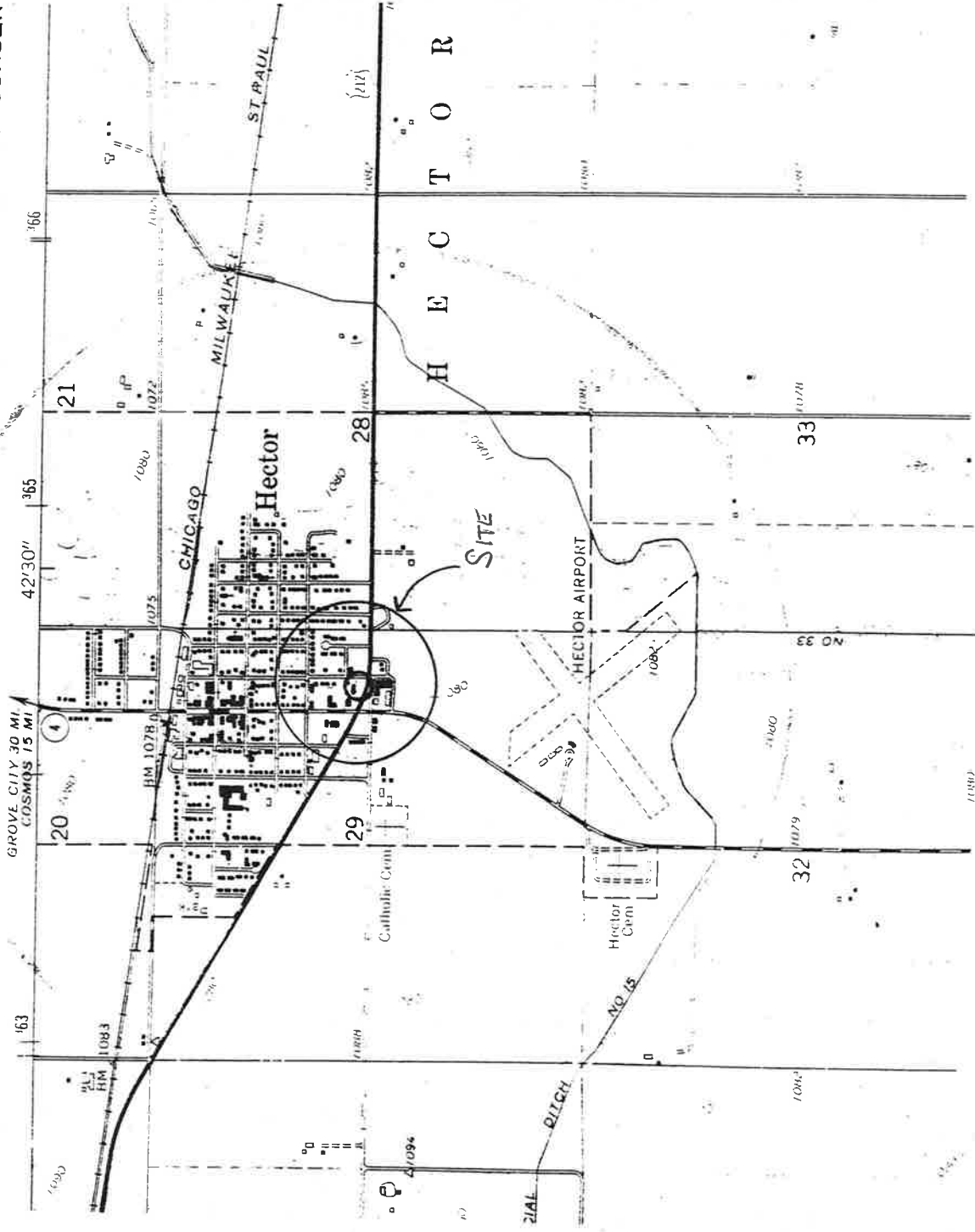
HECTOR, MINNESOTA

SCALE: 1:124,000

PROJ# 1129 DATE 9-5-91 DWG# 1129A BY DRM SHEET / OF /

STATES
THE INTERIOR
- SURVEY

STATE OF MINNESOTA
DEPARTMENT OF CONSERVATION



HECTOR, MINN.
N4437.5—W9437.5/7.5

1964

AMS 7073 II NW—SERIES V872



2006 Oak Lea Terrace
Wayzata, MN 55391

SITE PLAN

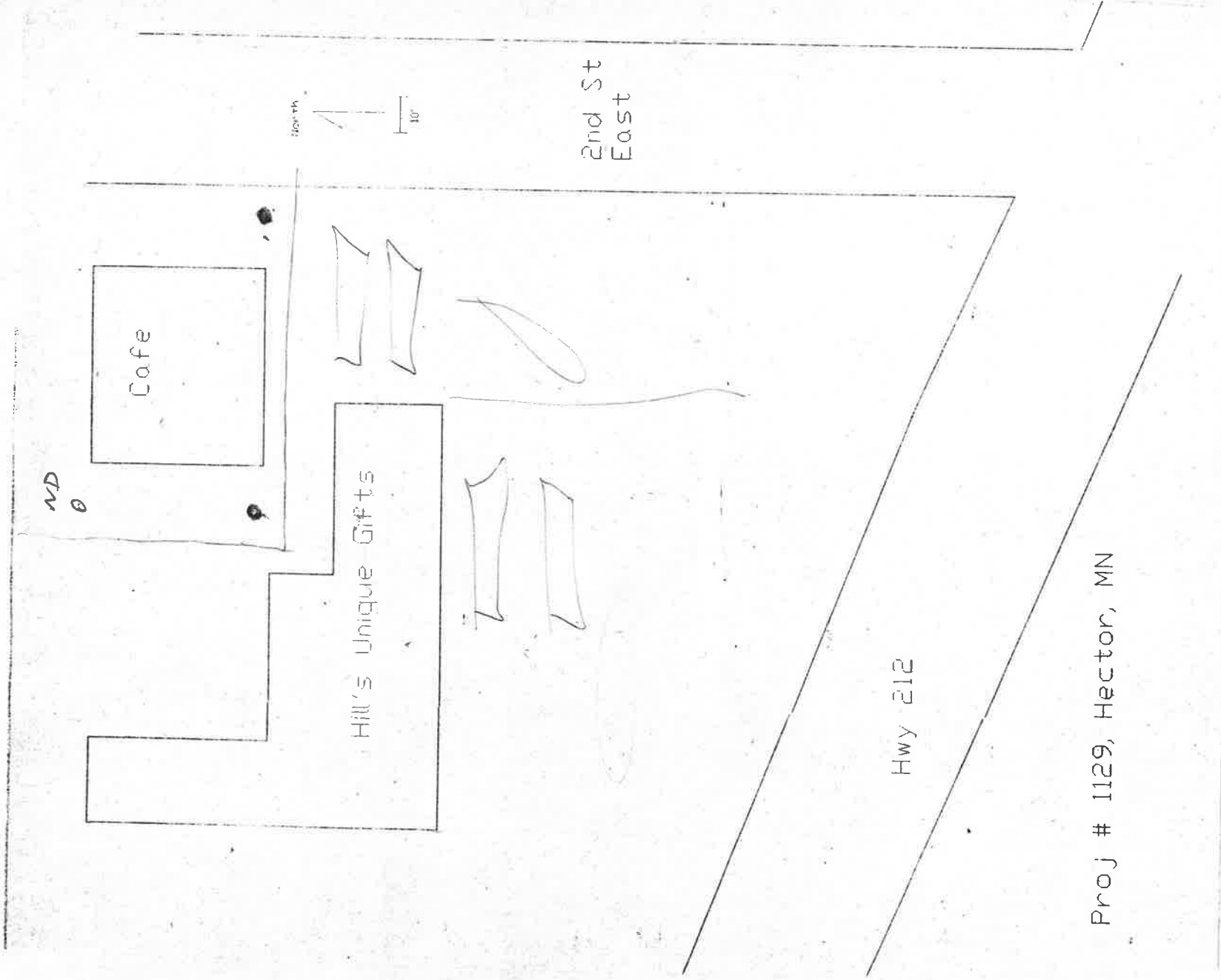
HILL'S UNIQUE GIFTS

HWY 212 & 2ND ST

HECTOR, MINNESOTA

SCALE: 1" = 40'

PROJ# 1129 DATE 9-5-91 DWG# 1129B BY DRM SHEET 1 OF 1



Proj # 1129, Hector, MN

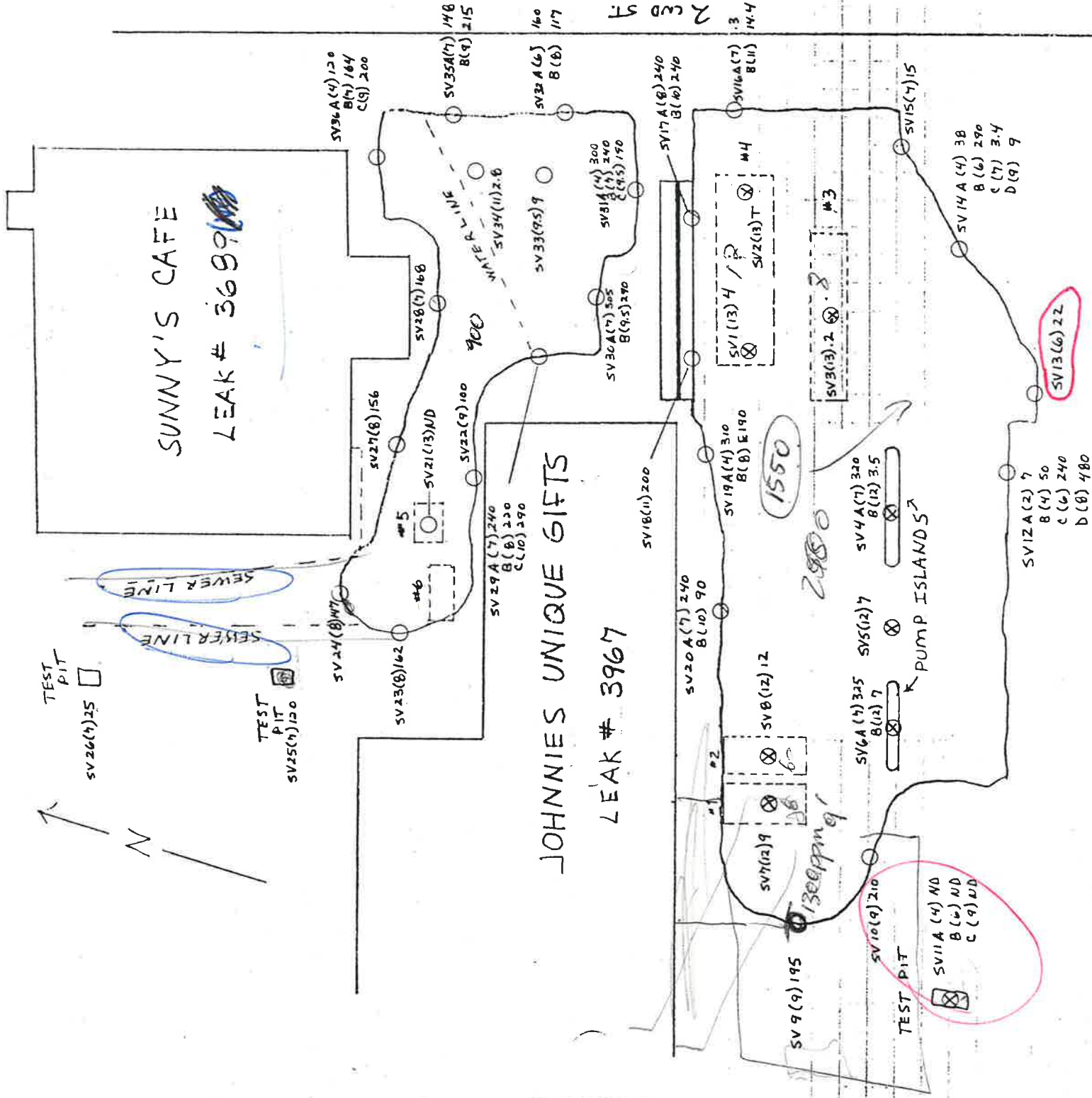


2006 Oak Lea Terrace
Wayzata, MN 55391

SOIL VAPOR LOCATIONS
HILL'S UNIQUE GIFTS
HWY 212 S 2ND ST
HECTOR, MINNESOTA

SCALE: 1"=20'

PROJ# 1129 DATE 9-5-91 DWG# 1129C BY DRM SHEET / OF /





2006 Oak Lea Terrace
Wayzata, MN 55991

CONTAMINATION REMAINING IN PLACE PLAN

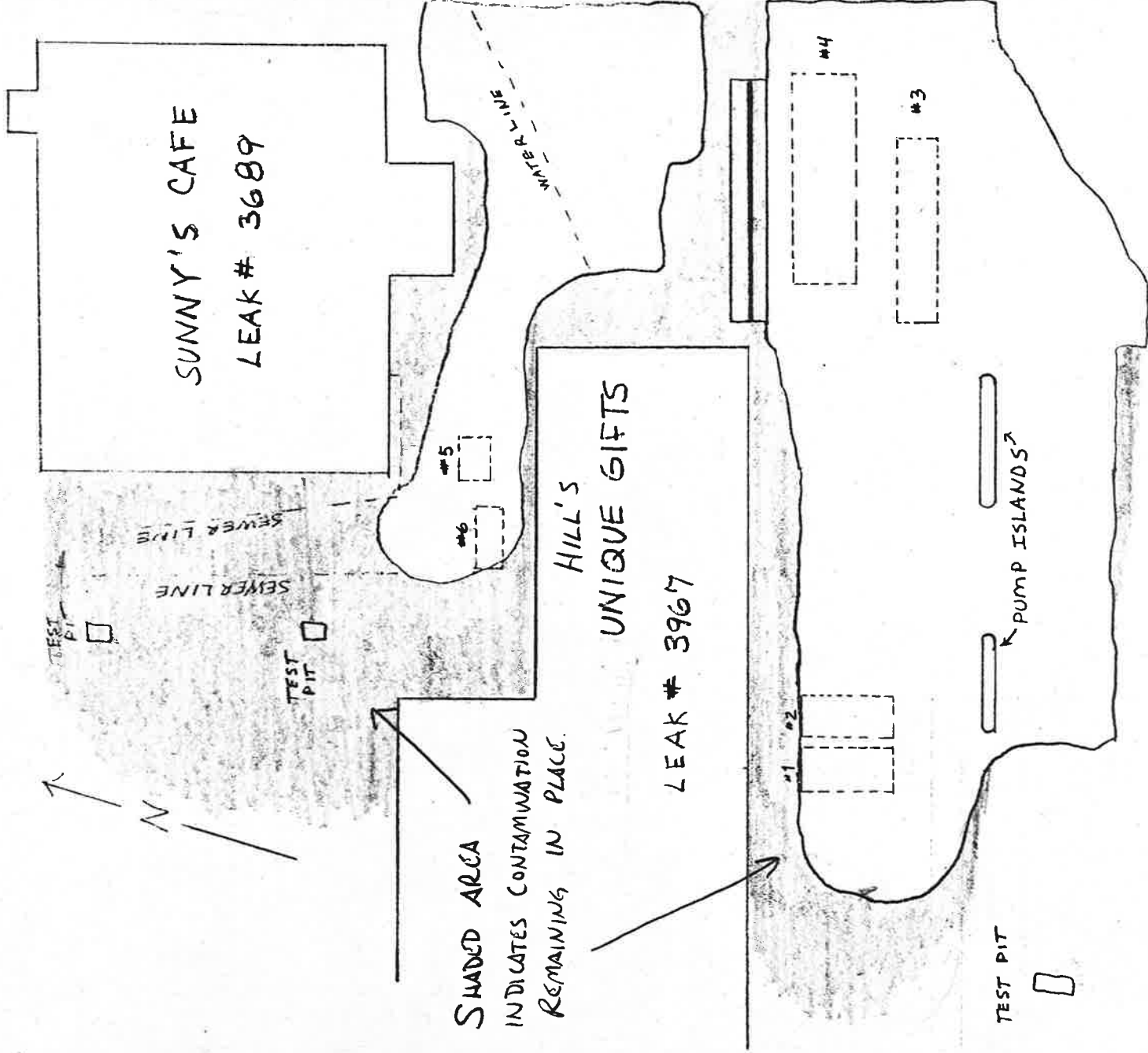
HILL'S UNIQUE GIFTS

NWY 212 & 2ND ST

HECTOR, MINNESOTA

SCALE: 1"=20'

PROJ# 1129 DATE 9-5-91 DWG# 1129E BY DRM SHEET / OF /



2nd ST

Texas Environmental Service & Testing
 307 East College
 Nacogdoches, Texas 75961

ANALYTICAL REPORT

Project Name: Hill's Gifts #1129
 Sample Identification: West Pump Island, 7 feet
 Date & Time Sample Taken: 05/03/91, 1400 hours
 Laboratory Sample Number: 05014

Parameter	Results	Units	EPA Method	Performed by
Benzene	13.97	mg/kg	*	MLB, 05/05/91, 0225 hours
Toluene	134.3	mg/kg	*	MLB, 05/05/91, 0225 hours
Ethyl Benzene	41.7	mg/kg	*	MLB, 05/05/91, 0225 hours
Xylenes	150.44	mg/kg	*	MLB, 05/05/91, 0225 hours
TPH **	1,109.4	mg/kg	***	MLB, 05/05/91, 0225 hours

- * - SW 846 5030/8020
- ** - Total Petroleum Hydrocarbons
- *** - SW 846 5030/8015/8020 (Modified)

BTEX Detection Limit = 0.25 mg/kg
 TPH Detection Limit = 10 mg/kg

Extraction performed by: MLB, 05/04/91, 1459 hours

QUALITY ASSURANCE/QUALITY CONTROL

Sample # 04028 MLB, 05/02/91, 2354 hours
 Duplicate MLB, 05/03/91, 0100 hours
 Spike MLB, 05/03/91, 0204 hours

Sample Results	Duplicate Results	FPD
B = < 0.25	B = < 0.25	R = < 1%
T = < 0.25	T = < 0.25	T = < 1%
EB = < 0.25	EB = < 0.25	ER = < 1%
M/PX = < 0.25	M/PX = < 0.25	M/PX = < 1%
OX = < 0.25	OX = < 0.25	OX = < 1%
Surrogate = 86.3%	Surrogate = 80.6%	Surrogate = 6.8%

Spike Results	Acceptable Ranges
B = 70.0%	B = 39% - 150%
T = 105.5%	T = 46% - 148%
EB = 67.9%	EB = 32% - 160%
M/PX = 78.8%	MX = Not Established
OX = 83.4%	O/PX = Not Established
Surrogate = 69.8%	

FEDERAL EXPRESS

CHAIN OF CUSTODY

Project No. 1129

TEXAS ENVIRONMENTAL SVC. + TEST
307 E. COLLEGE
NACOG DOCHES, TX 75961
ATTN: MIKE BISHOP

SAMPLING ADDRESS: HILL'S GIFTS

HWY 212, HECTOR, MN

SAMPLER: J.A. Heene
(SIGNATURE)

COMPANY: Applied Engineering

ADDRESS: 2905 Oak Lea Terrace
Wayzata, MN 55391

TELEPHONE: 939-9095

FAX: 939-9095

PROJECT SUPERVISOR: _____

SAMPLE LOT NUMBER _____

DISCREPANCY YES NO

COOLER NUMBER _____

CLIENT NOTIFIED _____

PLEASE TEST FOR TPH, BTEX

TEMPERATURE OF COOLER ON RECEIPT AT LABORATORY _____

SAMPLE NUMBER	DATE	TIME	METHOD	Grab <input checked="" type="checkbox"/> Composite <input type="checkbox"/>	SAMPLE TYPE	SITE LOCATION & Depth	NUMBER AND TYPE OF BOTTLES	Soil Type	HNU level	IPTEX / TIC	REMARKS						
											As Fuel Oil	As GasIn	As Pb/Cad/Chrn				
T105031	5-3	1400	SOIL			WEST 7' SWFT	1-408	CAD	325	X							

NOTE: FAX RESULTS TO P/E
John Heene 5-3-91
FAX 939-9095

RELINQUISHED BY

DATE

TIME

RECEIVED BY (SIGNATURE AND COMPANY)

1. J.A. Heene 5-3-91

Print Name:

John Heene

939 9095 hrs

2.
3.
4.
5.

AM PM AM PM AM PM AM PM



SERCO Laboratories

(1129)

CC: Pan ✓

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

LABORATORY ANALYSIS REPORT NO: 6237 05/20/91

PAGE 1

Applied Engineering
2905 Dak Lea Terrace
Wayzata, MN 55391

DATE COLLECTED: 05/02/91; 05/06/91
DATE RECEIVED: 05/06/91
COLLECTED BY: CLIENT
DELIVERED BY: CLIENT
SAMPLE TYPE: SOIL

Attn: Thomas Greene

SERCO SAMPLE NO:	36881	36891	36901	36911
SAMPLE DESCRIPTION:	D105011 Beneath West Tank #4 13'	D105012 Eastside Tank bot #4 13'	D105013 Bottom Tank #3 13'	D105014 EastPump Island 10'

ANALYSIS:

Lead, mg/kg as Pb	11	11	13	11
Methyl tertiary butyl ether, mg/kg	<0.010	<0.010	<0.010	<0.010
Benzene, mg/kg	<0.005	<0.005	<0.005	<0.005
Toluene, mg/kg	<0.005	0.071	<0.005	0.015
Ethylbenzene, mg/kg	<0.005	0.017	<0.005	<0.005
Xylene, mg/kg	0.012	0.21	<0.005	0.014
FID Scan, mg/kg, as gasoline	<0.50	0.69	<0.50	<0.50
FID Scan, mg/kg, as #2 fuel oil	<2.0	<2.0	<2.0	<2.0

SERCO SAMPLE NO:	36921	36931	36941	36951
SAMPLE DESCRIPTION:	D105015 WestPump Island 10'	D105016 South Side Well 7'	D105017 SE Side Well 6'	D105018 SE Side Well 7'

ANALYSIS:

Lead, mg/kg as Pb	11	11	13	12
Methyl tertiary butyl ether, mg/kg	<0.010	1.0	0.19	<0.010
Benzene, mg/kg	0.10	0.10	0.10	<0.005
Toluene, mg/kg	<0.005	<0.010 A	<0.010 A	<0.005
Ethylbenzene, mg/kg	<0.005	0.82	0.23	<0.005
Xylene, mg/kg	<0.005	2.2	1.1	<0.005
FID Scan, mg/kg, as gasoline	<0.50	34	9.7	<0.50
FID Scan, mg/kg, as #2 fuel oil	<2.0	B	B	<2.0

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



Member



SERCO Laboratories

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

LABORATORY ANALYSIS REPORT NO: 6237
05/20/91

PAGE 2

SERCO SAMPLE NO: 36961 36971
SAMPLE DESCRIPTION: D105019 D10501A
Eastside North
Well Sidewell
10' 7'

ANALYSIS:

Lead, mg/kg as Pb	11	15
Methyl tertiary butyl ether, mg/kg	<0.010	<1.0 A
Benzene, mg/kg	<0.005	<0.5 A
Toluene, mg/kg	<0.005	85
Ethylbenzene, mg/kg	<0.005	32
Xylene, mg/kg	0.005	170
FID Scan, mg/kg, as gasoline	<0.50	1100
FID Scan, mg/kg, as #2 fuel oil	<2.0	B

A: Increased detection limits due to sample matrix.

B: Unable to quantify due to the presence of gasoline.

All analyses were performed using EPA or other accepted methodologies. Samples that may be of an environmentally hazardous nature will 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.

Report submitted by,

Diane J. Anderson
Project Manager

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



Member

CHAIN OF CUSTODY

Project No. 1129

ICO LABORATORIES
1931 WEST COUNTY ROAD C-2
ST. PAUL, MN 55113
612-636-7173
FAX 612-636-7178

SAMPLING ADDRESS: Johannes Unique Gifts
4442 52nd St. Hector
SAMPLER: [Signature]
(SIGNATURE)

COMPANY: Applied Engineering
ADDRESS: 2905 Oak Lea Terrace
Wayzata, MN 55391
TELEPHONE: 939-9095
FAX: 939-9095

PROJECT SUPERVISOR: _____
SAMPLE LOT NUMBER _____ DISCREPANCY YES NO
COOLER NUMBER _____ CLIENT NOTIFIED _____
TEMPERATURE OF COOLER ON RECEIPT AT LABORATORY _____

SAMPLE NUMBER	DATE	TIME	METHOD	SAMPLE TYPE	SITE LOCATION & Depth	NUMBER AND TYPE OF BOTTLES	Soil Type	HNU Level	REMARKS	
									AS Gas/Ln	AS Fuel Oil
D105011	5/6		Grab <input checked="" type="checkbox"/> Composite <input type="checkbox"/>	Soil	Beneath wash Tank #4 (13')	1 - 4oz	clay	4	✓	Lead
D105012	5/6		Soil	Soil	East-side Tank #4 (13')	"	clay	T	✓	lead
D105013	5/6		Soil	Soil	Bottom Tank #3 (13')	"	clay	.2	✓	lead
D105014	5/6		Soil	Soil	East Pump Island (10')	"	clay	3.5	✓	lead
D105015	5/6		Soil	Soil	West Pump Island (10')	"	clay	17	✓	lead
D105016	5/2		Soil	Soil	South-side well (7')	"	clay	22	✓	lead
D105017	5/2		Soil	Soil	S.E. Subwell (6')	"	Clay	70	✓	lead
D105018	5/2		Soil	Soil	S.E. Subwell (7')	"	Clay	3.4	✓	lead
D105019	5/2		Soil	Soil	East Side well (10')	"	Clay	14.4	✓	lead
D10501A	5/3		Soil	Soil	North-side well (7')	"	Clay	240	✓	lead

RELINQUISHED BY [Signature] DATE 5/6/91 TIME 15:02

RECEIVED BY (SIGNATURE AND COMPANY)

RAS #97 AM EAGLE

Print Name: Dan Mofennan

2. Owner AM PH 15:30 Small Kitchen Services

3. AM PH

4. AM PH

5. AM PH



SERCO Laboratories

CC: DAN

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

LABORATORY ANALYSIS REPORT NO: 6323 PAGE 1
05/28/91

Applied Engineering
2905 Oak Lea Terrace
Wayzata, MN 55391

DATE COLLECTED: 05/07/91; 05/09/91
DATE RECEIVED: 05/10/91
COLLECTED BY : CLIENT
DELIVERED BY : CLIENT
SAMPLE TYPE : SOIL

Attn: Thomas Greene

SERCO SAMPLE NO: 39551 39561 39571 39581
SAMPLE DESCRIPTION: D10510B D10510C D10510D D10510E
1129

ANALYSIS:

Benzene, mg/kg	<0.005	0.17	19	-
Toluene, mg/kg	<0.005	1.7	64	-
Ethylbenzene, mg/kg	0.008	0.52	49	-
Xylene, mg/kg	0.025	2.2	200	-
FID Scan, mg/kg, as gasoline	<0.50	15	1300	-
FID Scan, mg/kg, as #2 fuel oil	<2.0	C	C	-
Methyl tertiary butyl ether, mg/kg	<0.010	0.51	62	-
Lead, mg/kg as Pb	14	12	13	9.5

SERCO SAMPLE NO: 39591 39601 39611 39621
SAMPLE DESCRIPTION: D10510F D105101 D105102 D105103

ANALYSIS:

Benzene, mg/kg	<0.005	0.27	<0.005	<0.05	A
Toluene, mg/kg	<0.005	<0.5	0.010	<0.05	A
Ethylbenzene, mg/kg	0.015	7.1	<0.005	1.5	
Xylene, mg/kg	0.10	13	0.015	0.76	
FID Scan, mg/kg, as gasoline	<0.50	B	<0.50	B	
FID Scan, mg/kg, as #2 fuel oil	<2.0	1700	<2.0	340	
Methyl tertiary butyl ether, mg/kg	<0.010	8.7	-	-	
Lead, mg/kg as Pb	11	14	14	16	

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



Member



SERCO Laboratories

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

LABORATORY ANALYSIS REPORT NO: 6323 PAGE 2
05/28/91

SERCO SAMPLE NO: 39631 39641 39651 39661
SAMPLE DESCRIPTION: D105104 D105105 D105106 D105107

ANALYSIS:

Benzene, mg/kg	<0.05 A	<0.05 A	0.096	3.7
Toluene, mg/kg	<0.05 A	<0.05 A	<0.005 A	30
Ethylbenzene, mg/kg	2.5	1.9	0.15	21
Xylene, mg/kg	2.6	1.9	0.43	83
FID Scan, mg/kg, as gasoline	B	B	3.9	B
FID Scan, mg/kg, as #2 fuel oil	1000	790	<2.0 C	1200
Lead, mg/kg as Pb	14	13	13	11

SERCO SAMPLE NO: 39671 39681 39691
SAMPLE DESCRIPTION: D105108 D105109 D10510A

ANALYSIS:

Benzene, mg/kg	0.025	0.065	0.085
Toluene, mg/kg	<0.01 A	<0.005	0.16
Ethylbenzene, mg/kg	0.73	0.17	0.48
Xylene, mg/kg	4.8	0.74	2.0
FID Scan, mg/kg, as gasoline	36	5.4	14
FID Scan, mg/kg, as #2 fuel oil	C	<2.0	C
Lead, mg/kg as Pb	11	14	12

A: Increased detection limits due to sample matrix.
B: Unable to quantify due to the presence of fuel oil.
C: Unable to quantify due to the presence of gasoline.

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



Member



SERCO Laboratories

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

LABORATORY ANALYSIS REPORT NO: 6323
05/28/91

PAGE 3

All analyses were performed using EPA or other accepted methodologies. Samples that may be of an environmentally hazardous nature will 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.

Report submitted by,

Diane J. Anderson
Project Manager

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



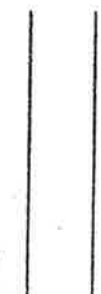
Member

CHAIN OF CUSTODY

Project No. 1129

SERCO LABORATORIES
1931 WEST COUNTY ROAD C-2
ST. PAUL, MN 55113
612-636-7173
FAX 612-636-7178

SAMPLING ADDRESS: Highway 212 & 3rd St. Hector

SAMPLER: 
(SIGNATURE)

COMPANY: Applied Engineering

ADDRESS: 2905 Oak Lea Terrace

Wayzata, MN 55391

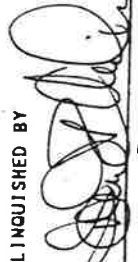
TELEPHONE: 939-9095

FAX: 939-9095

PROJECT SUPERVISOR: _____
SAMPLE LOT NUMBER _____ DISCREPANCY YES NO
COOLER NUMBER _____ CLIENT NOTIFIED _____
TEMPERATURE OF COOLER ON RECEIPT AT LABORATORY _____

SAMPLE NUMBER	DATE	TIME	METHOD	SAMPLE TYPE	SITE LOCATION & Depth	NUMBER AND TYPE OF BOTTLES	Soil HNU Type Lev1	REMARKS	
								MTBE	AS Fuel Oil
D10510B	5/9		Grab <input checked="" type="checkbox"/> Composite <input type="checkbox"/>	Soil	Env. Bottom (11')	1-4oz	Chy 2.8	<input checked="" type="checkbox"/>	AS Gasolin <input checked="" type="checkbox"/> AS Fuel Oil <u>Lead</u>
D10510C	"		"	"	South side Mill Tank 1 East (9')	"	" 210	<input checked="" type="checkbox"/>	"
D10510D	"		"	"	West side wa 11 Tank 1 (9')	"	" 195	<input checked="" type="checkbox"/>	"
D10510E	"		"	"	Tank 1 Bottom (12')	"	"	<input checked="" type="checkbox"/>	"
D10510F	"		"	"	Tank 2 Bottom (18')	1 1/2	"	<input checked="" type="checkbox"/>	"
Bottle ID: D10510G Sidewalk, HNU 210 } DSA 5/13/91 (SERCO)									
Bottle ID: D10510F }									

RELINQUISHED BY:  DATE 5/10/91 TIME 4:45 RECEIVED BY (SIGNATURE AND COMPANY) Wady Peterson (SERCO) 5/10/91 1245

1.  AM PH
 2. _____ AM PH
 3. _____ AM PH
 4. _____ AM PH
 5. _____ AM PH
- Print Name: Dan Mubennan

CHAIN OF CUSTODY

Project No. 129

SERCO LABORATORIES
1931 WEST COUNTY ROAD C-2
ST. PAUL, MN 55113
612-636-7173
FAX 612-636-7178

SAMPLING ADDRESS: St. Paul, MN

SAMPLER: Long iron and second St
Hector
(SIGNATURE)

COMPANY: Applied Engineering

ADDRESS: 2905 Oak Lea Terrace

Wayzata, MN 55391

TELEPHONE: 939-9095

FAX: 939-9095

PROJECT SUPERVISOR:

SAMPLE LOT NUMBER

COOLER NUMBER

DISCREPANCY YES NO

CLIENT NOTIFIED

TEMPERATURE OF COOLER ON RECEIPT AT LABORATORY

SAMPLE NUMBER	DATE	TIME	METHOD	SAMPLE TYPE	SITE LOCATION & Depth	NUMBER AND TYPE OF BOTTLES	Soil Type	HNU Level	IBTEX THIC	REMARKS	
										As Fuel Oil	As Gasoline
04 D105101	5/7		Grab	Soil	Cafe Steepl 8'	1-4oz	Clay	156	✓		✓
04 D105102	"		Grab	Soil	W.O. Tank	1-4oz	Clay	ND	✓		"
04 D105103	"		Grab	"	Station	"	"	100	✓		"
04 D105104	"		Grab	"	Side wall (9')	"	"	162	✓		"
04 D105105	"		Grab	"	West side wall (8')	"	"	147	✓		"
04 D105106	"		Grab	"	North side wall (8')	"	"	168	✓		"
04 D105107	"		Grab	"	North side wall (8')	"	"	200	✓		"
04 D105108	"		Grab	"	South side wall (7')	"	"	240	✓		"
04 D105109	5/9		Grab	"	North side wall (9')	"	"	200	✓		"
04 D10510A	"		Grab	"	East side wall (9')	"	"	215	✓		"

RELINQUISHED BY

[Signature]
Print Name: Dan Mulrennan

DATE 5/10/91 TIME 12:45

RECEIVED BY (SIGNATURE AND COMPANY)

[Signature] Wendy Petson (SERCO)

5/10/91 1245

2. _____ AM _____ PM
3. _____ AM _____ PM
4. _____ AM _____ PM
5. _____ AM _____ PM



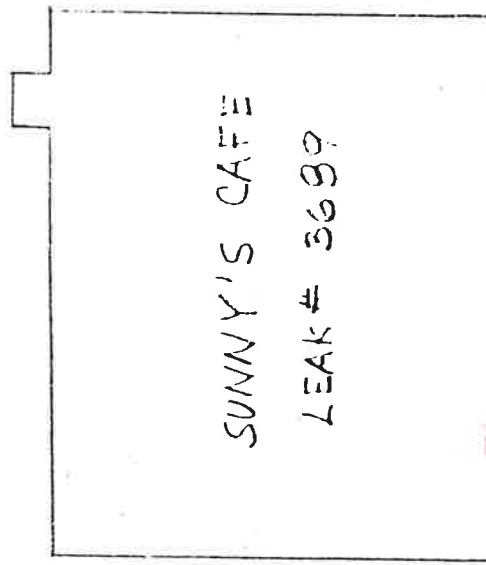
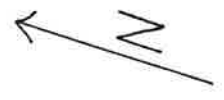
2006 Oak Lea Terrace
Wayzata, MN 55391

SOIL SAMPLE LOCATIONS
HILL'S UNIQUE GIFTS
HWY 212 & 2ND ST
HECTOR, MINNESOTA

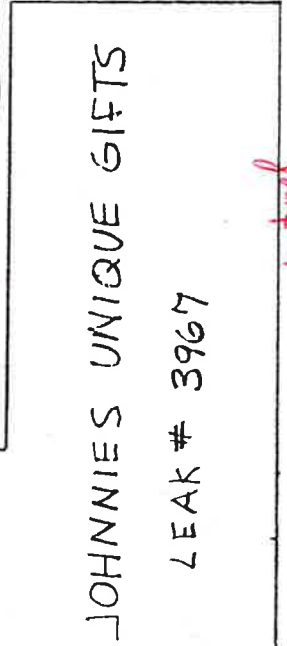
SCALE: 1" = 20'

PROJ# 1129 DATE 9-5-91 DWG# 1129D BY DRM SHEET 1 OF 1

SOIL SAMPLE #	LAB #	TWC
SS1	D105011	ND
SS2	D105012	.69
SS3	D105013	ND
SS4	D105014	ND
SS5	D105015	ND
SS6	D105016	34
SS7A	D105017	9.7
SS7B	D105018	ND
SS8	D105019	ND
SS9	D10501A	1100
SS10	D105101	1700
SS11	D105102	ND
SS12	D105103	340
SS13	D105104	1000
SS14	D105105	790
SS15	D105106	3.9
SS16	D105107	1200
SS17	D105108	17
SS18	D105109	5.4
SS19	D10510A	14
SS20	D10510B	ND
SS21	D10510C	15
SS22	D10510D	1300
SS23	D10510E	-
SS24	D10510F	ND

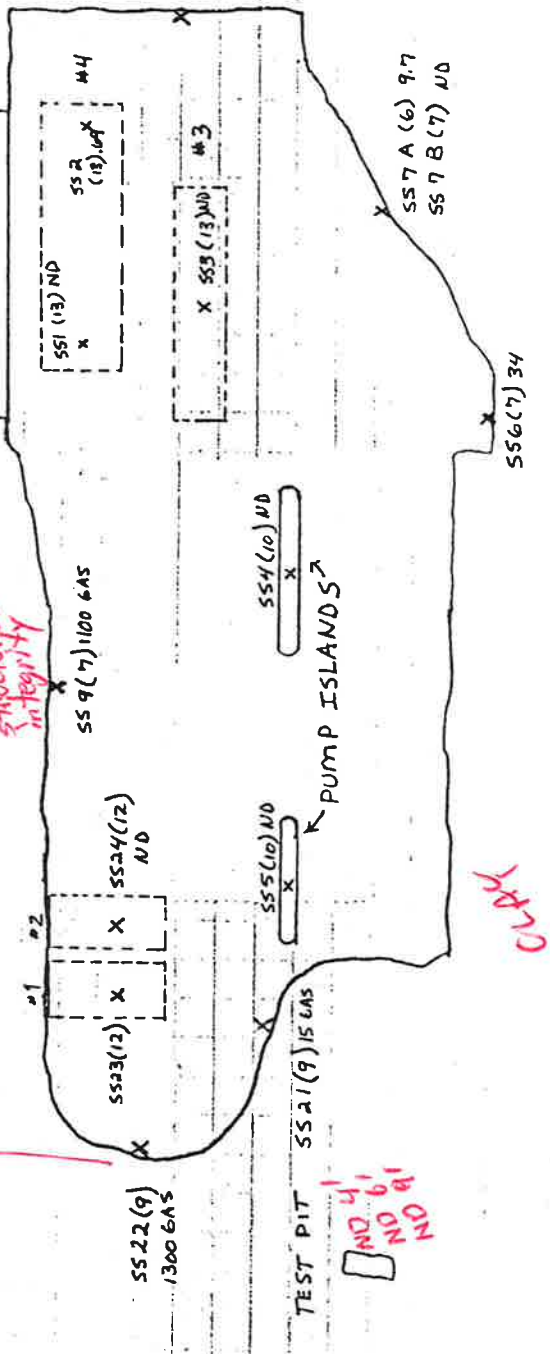


SUNNY'S CAFE
LEAK # 3689



JOHNNIES UNIQUE GIFTS
LEAK # 3967

2nd ST



PUMP ISLANDS

TEST PIT
ND 4
ND 6
ND 8

CHAIN OF CUSTODY

Project No. 1179

SERCO LABORATORIES
1931 WEST COUNTY ROAD C-2
ST. PAUL, MN 55113
612-636-7173
FAX 612-636-7178

SAMPLING ADDRESS: Hwy 212 S 2nd St Leach

SAMPLER: [Signature]
(SIGNATURE)

COMPANY: Applied Engineering

ADDRESS: 2905 Oak Lea Terrace

Wayzata, MN 55391

TELEPHONE: 939-9095

FAX: 939-9095

PROJECT SUPERVISOR: _____

SAMPLE LOT NUMBER _____ DISCREPANCY YES NO

COOLER NUMBER _____ CLIENT NOTIFIED _____

TEMPERATURE OF COOLER ON RECEIPT AT LABORATORY _____

SAMPLE NUMBER	DATE	TIME	METHOD	SAMPLE TYPE	SITE LOCATION & Depth	NUMBER AND TYPE OF BOTTLES	Soil Type	HNU Level	REMARKS	
									MTBE	AS Fuel Oil
OK D10510B	5/9		Grab <input checked="" type="checkbox"/> Composite <input type="checkbox"/>	Soil	Eva. Bottom (11')	1-4oz	Clay	2.8	<input checked="" type="checkbox"/>	AS Gas In <input checked="" type="checkbox"/> AS Gas In Lead
D10510C	Missing			"	South side of Tank 1 Eva. (9')	"	"	2.0	<input checked="" type="checkbox"/>	"
OK D10510D	"			"	West side wa (1) Tank 1 (9')	"	"	1.95	<input checked="" type="checkbox"/>	"
D10510E	Missing			"	Tank 1 Bottom (12')	"	"	"	<input checked="" type="checkbox"/>	"
OK D10510F	"			"	Tank 2 Bottom (12')	4z	"	"	<input checked="" type="checkbox"/>	"
D10510G	3' South of east entry				HNU 168					
D10510H	Sidewalk				HNU 210					

RELINQUISHED BY: [Signature] DATE 5/9/91 TIME 2:45 RECEIVED BY (SIGNATURE AND COMPANY): Wendy Peterson (SERCO) 5/10/91 12:45

- Print Name: Dan Muberman AM PH
- AM PH
- AM PH
- AM PH
- AM PH



2905 OAK LEA TERRACE
WAYZATA, MINNESOTA 55391-2593
FAX/TEL (612) 939-9095

RECEIVED

CC123 121

MPCA, HAZARDOUS
WASTE DIVISION

MPCA EXCAVATION REPORT

Location:

Hill's Unique Gifts
Hwy 212 and Second St.
Hector, Minnesota

Applied Engineering Proj #1129

MPCA Site Leak #3967

October 21, 1991

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

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

REPORT CONTENTS

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

	[] RI Report	[] CAD Report	[] Progress Reports
<input checked="" type="checkbox"/> Excavation Report Form			
<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

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