



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

Lake Michigan District Headquarters
1125 N. Military Avenue
P.O. Box 10448
Green Bay, WI 54307-0448
TELEPHONE # (414)492-5921
TELEFAX # (414)492-5913

August 6, 1992

Ms. Jackie Powell
Fort Howard Corporation
1919 S. Broadway
Green Bay, WI 54304

Subject: Closure of Case #05-01051, Fort Howard Corporation, 1919 S. Broadway, Green Bay, WI

Dear Ms. Powell:

The Department of Natural Resources Lake Michigan District Case Closure Committee has completed a review of the above referenced case. I apologize that the large number of petroleum leak cases has prevented us from addressing this matter more quickly. This panel reviews environmental remediation cases for a compliance with state laws, standards, and guidelines to maintain consistency in the closeout of cases. At this time, it appears that actions have been taken to the extent practical to restore the environment and minimize the harmful effects from this discharge to the air, lands and waters of this state.

However, this letter does not grant exoneration of yourself nor any future owners from future decisions regarding this site or impacts which may be discovered and traced to be caused by the past or future activities at this site.

The Department appreciates your efforts to protect and restore the environment. If you have any questions, please feel free to contact me at 414-492-5921.

Sincerely,

Charlene F. Pribyl, Program Assistant
Leaking Underground Storage Tank Unit

cc: Jeffrey LaViolette, Robert E. Lee & Associates, 2825 S. Webster Avenue, P.O. Box 2100, Green Bay, WI
54306-2100

Fort Howard Corporation Case File #05-01051

DNR OFFICE MEMO
Form 9500-43 Rev. 2-92

Date	Time
8/6/92	

To *Case File # 05-01051*

From

Of

(414) Phone
(608)
(715)

Received by

Please Call Returning Your Call Will Call Again Called to See You

Comment

For Your Information

See Me

Take Action

Approve

Sign

Revise

Prepare Reply For My Signature

Reply Direct

Per Your Request

Code

Route to:

Return

File

*Stockpile showed ND. Jeff LaVotek
tolds Fort Howard they could use as
Clean fill or dispose
of at a Landfill
with Landfill Approval.*

CASE SUMMARY AND CLOSEOUT

PROJECT MANAGER: A1 Nass

FIRM OR AGENCY: DNR

DATE: 3/5/92

NAME OF SITE: Fort Howard paper Corp.

LOCATION: 1919 S. Broadway
Green Bay, WI 54303 COUNTY: Brown

TYPE OF DISCHARGE: LUST Spill Other Unknown

CONTAMINATION TYPE: B-TEX Compounds DRO/GRO, - pvoc (Benzene, Toluene, Ethylbenzene, Xylenes, mTOL, trimethylbenzene) ND

CONTAMINATION PRESENT IN: Soils Groundwater Other

REMEDIAL ACTION COMPLETED
CASE CLOSEOUT
DATE: 6/17/92
ROUTE TO:
 BARNUM [Signature]
 STOLL R.C. Stoll
 URBEN [Signature]

DEGREE OF CONTAMINATION:

SOIL:

Extent Defined: Yes No N/A

Lab Analysis Field Analysis ^{FID} No Data

Methodology and/or Detection Devices _____

Number of Sample Points 13

Contaminant/Concentration	11/4/91 Preremediation	12/9/91 Post Remediation	Applicable Standard(s)
GRO	17 ppm	20 ppm	10 ppm
DRO	4, 4.1 ppm	-	10 ppm
pvoc		ND	-

Remedial Action Taken tank removal site assessment showed low level contamination beneath dispenser pump island. pump island area reexcavated. Soil that was presumed contaminated, had no detect of GRO, benzene. Only one of the six soil samples indicated a GRO level higher than standard with concentration of 20.0 ppm. (Soils consist of dense red clay.) excavation backfilled.

Remedial Action Completed: Yes No

This recommendation for case closure is based on all the available data as of this date 3/5/92 and submitted by Charlene Pixyl (EA) of LMD DNR
(Name) (Firm or Agency)

GROUNDWATER: _____

Extent Defined: Yes _____ No _____ N/A

Lab Analysis _____ Field Analysis _____ No Data _____

Methodology and/or detection devices _____

Groundwater Monitoring: Number Permanent Wells _____ None _____
Number Temporary Wells _____ None _____
Number Water Supply Wells _____ None _____

Number of Sample Rounds _____

Contaminant/Concentration	Preremediation	Post Remediation	Applicable Standard(s)

Remedial Action Taken _____

Remedial Action Completed: Yes _____ No _____

Has this site been remediated to current standards? Yes No _____

This recommendation for case closure is based on all the available data as of this date _____ and submitted by _____ of _____
(Name) (Firm or Agency)

SUMMARY OF CASE: on 11/4/91 (1) 20,000 gal. diesel tank & (1) 12,000 gal. gasoline tank removed from North side of facility to allow for expansion of facility. only 1 sample from dispenser pump island was above standard - 17.0 ppm. excavated area & resampled stock pile. Stockpile sampling result - ND. one of six soil samples indicate a GRO level above standard, which was 20.0 ppm. Area soils are dense red clay. Excavation area was backfilled.

COMMITTEE RECOMMENDATION:

Remedial Action Completed: Yes No _____

Further Work Needed: _____



Robert E. Lee & Associates
Engineering, Surveying, Laboratory Services

2825 S. Webster Ave.
P.O. Box 2100
Green Bay, WI 54306-2100
414/336-6338
FAX 414/336-9141

February 13, 1992

Mr. Bruce Urben
DEPARTMENT OF NATURAL RESOURCES
P. O. Box 10448
Green Bay, WI 54307-0448

RE: Fort Howard Tank Removal and Remedial Investigation

Dear Mr. Urben:

The purpose of this letter is to describe remedial investigation activities which occurred in response to our telephone conversation on December 5, 1991 in regards to the tank removal project which took place on November 4, 1991 at the Fort Howard Corporation.

On November 4, 1991, one 20,000 gallon diesel fuel tank and one 12,000 gallon gasoline tank were removed from the north side of the Fort Howard Corporation production facility at 1919 South Broadway, Green Bay. These tanks were removed to allow for expansion of the facility. The tank system was installed in 1987 and consisted of two double walled fiberglass tanks fitted with approximately fifty feet of double walled fiberglass piping. Robert E. Lee & Associates was contracted to perform the tank removal site assessment. Seven soil samples were collected for laboratory analysis for site assessment purposes. Only one sample I-1 which was collected from beneath the dispenser pump island had indication of contamination above the DNR established policy standard of 10.0 parts per million (ppm). Sample I-1 which was analyzed for Gasoline Range Organics (GRO) contained low level contaminant concentrations at 17.0 ppm. See attached tank removal site assessment report for laboratory data sheets and additional tank system information.

The tank removal site assessment showed low level soil contamination present in the soils beneath the dispenser pump island, therefore verbal approval was obtained from Mr. Bruce Urben of the DNR on December 5, 1991 to conduct further investigation of this area. The dispenser pump island area was reexcavated on December 9, 1991 for sample collection. An area approximately 10 feet by 10 feet by five feet deep was excavated at the pump island location. The soils in the excavated area consisted of dense red clay beginning at a depth of approximately one foot. See attached photographs of the excavation. One soil sample was collected from each sidewall and one sample from the floor of the excavation for a total of five samples. See attached site sketch for excavation and sample locations. Soil samples were collected in duplicate to allow for laboratory and headspace analysis. Samples collected for headspace analysis were allowed to reach temperature equilibrium in a 70 degree environment for approximately one hour. The headspace samples were analyzed with a Sensidyne Flame

ROBERT E. LEE & ASSOCIATES
 Wisconsin Certification No: 405043870

CUSTOMER=====> 100150 - Internal Work-Jeff LaViolette
 REPORT DATE===> 01/06/92 PROJECT=====> Fort Howard
 JOB NUMBER=====> 1006410 LOCATION=====> Fort Howard
 BATCH=====> 1 SAMPLED=====> 12/09/91

Sample #	Sample Id	Result	Analized	By
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GASOLINE RANGE ORGANICS

1 ... S1 (N. End)	<0.5	mg/kg	... 12/17/91	... JF
2 ... S2 (W. End)	<0.5	mg/kg	... 12/17/91	... JF
3 ... S3 (S. End)	<0.5	mg/kg	... 12/17/91	... JF
4 ... S4 (E. End)	<0.5	mg/kg	... 12/17/91	... JF
5 ... S5 (Floor)	20	mg/kg	... 12/17/91	... JF

TOTAL SOLIDS

1 ... S1 (N. End)	79.1	%	... 12/11/91	... SW
2 ... S2 (W. End)	78.8	%	... 12/11/91	... SW
3 ... S3 (S. End)	77.3	%	... 12/11/91	... SW
4 ... S4 (E. End)	78.0	%	... 12/11/91	... SW
5 ... S5 (Floor)	77.5	%	... 12/11/91	... SW

VOLATILE ORGANICS SOLIDS

1 ... S1 (N. End)	Attached		... 12/10/91	... TS
2 ... S2 (W. End)	Attached		... 12/10/91	... TS
3 ... S3 (S. End)	Attached		... 12/10/91	... TS
4 ... S4 (E. End)	Attached		... 12/10/91	... TS
5 ... S5 (Floor)	Attached		... 12/10/91	... TS

ROBERT E. LEE & ASSOCIATES
 LABORATORY SERVICES
 2825 S. WEBSTER AVE. P.O. BOX 2100
 GREEN BAY, WIS 54306
 TELEPHONE NUMBER: (414) 336 - 6338
 WISCONSIN CERTIFICATION NUMBER: 405043870

CLIENT: INTERNAL WORK
 DATE RECEIVED: 12/10/91
 DATE OF SAMPLES: 12/09/91
 REPORT DATE: 12/11/91
 PROJECT: FORT HOWARD
 PROJECT NUMBER: UNKNOWN
 REL JOB NUMBER: 1006410

PVOC ANALYSIS

THE FOLLOWING DATA HAS BEEN REVIEWED AND MEETS THE QA/QC REQUIREMENTS FOR BLANKS, STANDARDS, DUPLICATE ANALYSES AND SPIKED SAMPLES.

DATE ANALYZED 12/10/91
 ANALYZED BY J.DURANCEAU
 ANALYTICAL METHOD 8020*

TEST PARAMETER	MDL (MG/KG)	SAMPLE RESULTS (MG/KG)			
		S1 (N.END)	S2 (W.END)	S3 (S.END)	C1
BENZENE	0.006	ND	ND	ND	ND
TOLUENE	0.020	ND	ND	ND	ND
ETHYLBENZENE	0.015	ND	ND	ND	ND
XYLENES	0.025	ND	ND	ND	ND
MTBE	0.025	ND	ND	ND	ND
1,3,5-TRIMETHYLBENZENE	0.025	ND	ND	ND	ND
1,2,4-TRIMETHYLBENZENE	0.025	ND	ND	ND	ND

MDL=METHOD DETECTION LIMIT WITH NO DILUTION
 D=DETECTED BUT BELOW MDL
 * TEST METHODS FOR EVALUATING SOLID WASTE, SW-846

ATTEST 



ROBERT E. LEE & ASSOCIATES, INC.

ENGINEERING • SURVEYING • LABORATORY SERVICES (414) 336-6338
Box 2100 2825 S. Webster Avenue Green Bay, WI 54306-2100

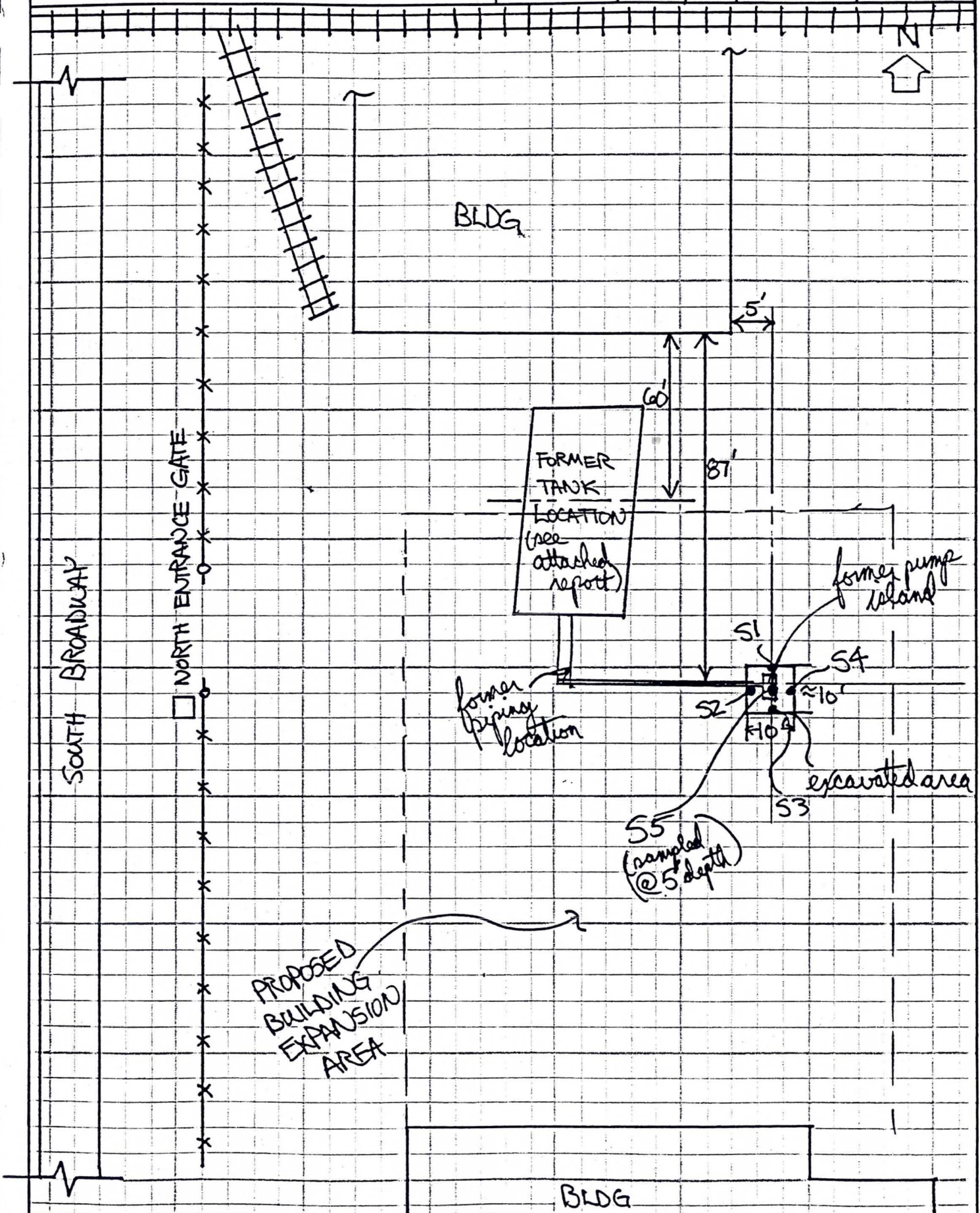
SUBJECT FORT HOWARD

JOB NO.

DATE 12/9/91

BY

SHEET



-SITE SKETCH-



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

Lake Michigan District Headquarters
1125 N. Military Avenue
P.O. Box 10448
Green Bay, WI 54307-0448
TELEPHONE # (414)492-5921
TELEFAX # (414)492-5913

February 27, 1992

Fort Howard Coproration
Attn: Ms. Jackie Powell
1919 S. Broadway
Green Bay, WI 54304

SUBJECT: ACKNOWLEDGEMENT OF RECEIPT: Tank Removal and Remedial Investigation, February 13, 1992, Fort Howard Corporation, 1919 S. Broadway, Green Bay, WI 54304
LMD Unique ID #05-01051

Dear Ms. Powell:

This office has received the above mentioned submittal.

Based upon information submitted, the case is ranked as a low priority. Because the Department is experiencing a backlog of emergency and high priority cases, the information will be reviewed by the assigned project manager, Al Nass, as time becomes available.

Upon approval, the LMD District Case Closure Committee, which meets on the first Monday of each month, will determine whether the site has received sufficient investigation and remediation or if additional work will be needed.

Thank you for your submittal.

Sincerely,

Charlene F. Pribyl, Environmental Specialist
Leaking Underground Storage Tank Unit

cc: Jeffrey LaViolette, Robert E. Lee & Associates, 2825 S. Webster Avenue, P.O. Box 2100, Green Bay, WI 54306-2100

Fort Howard Paper Corporation Case File #05-01051

FEB 26 1992

FORT HOWARD CORPORATION

TANK REMOVAL AND

REMEDIAL INVESTIGATION

FEBRUARY 13, 1992

**ROBERT E. LEE & ASSOCIATES
ENGINEERING, SURVEYING, LABORATORY SERVICES
2825 SOUTH WEBSTER AVENUE
P.O. BOX 2100
GREEN BAY, WI 54306**



February 13, 1992

FEB 26 1992

Mr. Bruce Urben
DEPARTMENT OF NATURAL RESOURCES
P. O. Box 10448
Green Bay, WI 54307-0448

RE: Fort Howard Tank Removal and Remedial Investigation

Dear Mr. Urben:

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The tank removal site assessment showed low level soil contamination present in the soils beneath the dispenser pump island, therefore verbal approval was obtained from Mr. Bruce Urben of the DNR on December 5, 1991 to conduct further investigation of this area. The dispenser pump island area was reexcavated on December 9, 1991 for sample collection. An area approximately 10 feet by 10 feet by five feet deep was excavated at the pump island location. The soils in the excavated area consisted of dense red clay beginning at a depth of approximately one foot. See attached photographs of the excavation. One soil sample was collected from each sidewall and one sample from the floor of the excavation for a total of five samples. See attached site sketch for excavation and sample locations. Soil samples were collected in duplicate to allow for laboratory and headspace analysis. Samples collected for headspace analysis were allowed to reach temperature equilibrium in a 70 degree environment for approximately one hour. The headspace samples were analyzed with a Sensidyne Flame

February 13, 1992
Mr. Bruce Urben
DEPARTMENT OF NATURAL RESOURCES
Page 2

Ionization Detector (FID) calibrated to methane. Only sample S5 which was collected from the floor of the excavation had a FID detect with 0.6 FID units, all other samples had no FID detect. See attached FID result summary sheet for further sample information. The duplicate samples were submitted to the Robert E. Lee & Associates analytical laboratory for GRO and Petroleum Volatile Organic Compound (PVOC) analysis. Sample S5 contained 20.0 ppm GRO and no detect of PVOC. All other samples contained <0.5 ppm GRO and no detect PVOC. (See attached laboratory data sheets.)

The soil that was excavated from the dispenser pump area was presumed to be contaminated, therefore the soil was stockpiled on and covered with plastic to control vapors and runoff. One soil sample (C1) was collected from the most suspect area of the presumed contaminated soil pile and analyzed for GRO, benzene, free liquids and hazardous waste determination for potential disposal to a landfill. Sample C1 had no detect of GRO, benzene and was found to be nonhazardous (see attachments).

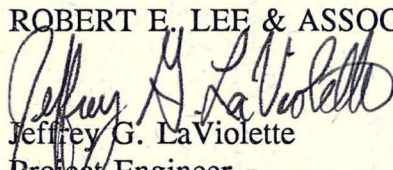
The laboratory analysis of only one of the six soil samples collected, sample S5, indicate GRO levels above the DNR site specific policy standard of 10.0 ppm with a concentration of 20.0 ppm. Laboratory personnel have indicated that the chromatograms for the GRO and PVOC analysis for sample S5 show that the contamination resembles gasoline rather than diesel fuel. As required by the June 1991 DNR LUST Analytical Guidance, all soil samples were also analyzed for PVOC. All samples including sample S5 were found to have no detect of PVOC, therefore the GRO reading for sample S5 must be due to volatile organic compounds outside the list of PVOC's required by the DNR.

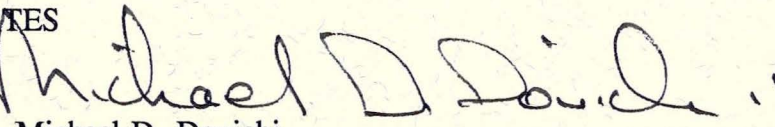
Given the site location, on site soil conditions, hydrogeologic conditions, laboratory results and apparent low level contamination, we feel this contamination event poses minimal threat to public health or welfare and no further investigation or remediation is warranted.

If you have any questions or comments, please call.

Sincerely,

ROBERT E. LEE & ASSOCIATES


Jeffrey G. LaViolette
Project Engineer


Michael D. Dovichi
Solid Waste Section Manager

JGL/MDD/sdb

cc: Ms. Jackie Powell — Fort Howard Corp. (w/enc.)

ENC.

ROBERT E. LEE & ASSOCIATES
 FLAME IONIZATION DETECTOR (FID) RESULTS
 SENSIDYNE

CLIENT: FORT HOWARD CORPORATION - TANK AREA (N. SIDE)
 WEATHER CONDITION: OVERCAST, 35 DEGREES F
 DATE OF LAST FACTORY CALIBRATION: 3/19/91

PAGE: 1 OF 1

DATE: 12/9/91

SAMPLE NUMBER	FID PEAK READING	SAMPLE MOISTURE	SAMPLE LOCATION	DEPTH	SOIL TYPE	ODOR	SAMPLE TIME
S-1	0.0	MOIST	N. END OF EXCAVATION	4'	CLAY	NONE	11:00 AM
S-2	0.0	MOIST	W. END OF EXCAVATION	4'	CLAY	NONE	11:00 AM
S-3	0.0	MOIST	S. END OF EXCAVATION	4'	CLAY	NONE	11:00 AM
S-4	0.0	MOIST	E. END OF EXCAVATION	4'	CLAY	NONE	11:00 AM
S-5	0.6	MOIST	FLOOR OF EXCAVATION	5'	CLAY	NONE	11:00 AM

SAMPLES WERE ALLOWED TO REACH TEMPERATURE EQUILIBRIUM IN A 70 DEGREE ENVIRONMENT FOR A PERIOD OF APPROXIMATELY 1 HOUR.



Robert E. Lee & Associates
Engineering, Surveying, Laboratory Services

Wisconsin Certification No: 405043870

2825 S. Webster Ave.
P.O. Box 2100
Green Bay, WI 54306-2100
414/336-6338
FAX 414/336-9141

REPORT DATE====> 01/06/92

JOB NUMBER=====> 1006410

CUSTOMER=====> 100150

Internal Work-Jeff LaViolette


CONTACT=====> Jeff LaViolette

PROJECT=====> Fort Howard

RECEIVED=====> 12/10/91

SAMPLED=====> 12/09/91

COMMENTS:

ATTEST: 

ROBERT E. LEE & ASSOCIATES
Wisconsin Certification No: 405043870

CUSTOMER=====> 100150 - Internal Work-Jeff LaViolette
REPORT DATE====> 01/06/92 PROJECT=====> Fort Howard
JOB NUMBER=====> 1006410 LOCATION=====> Fort Howard
BATCH=====> 1 SAMPLED=====> 12/09/91

Sample #	Sample Id	Result	Analyzed	By
----------	-----------	--------	----------	----

GASOLINE RANGE ORGANICS

1 ...	S1 (N. End)	<0.5 mg/kg	... 12/17/91	... JF
2 ...	S2 (W. End)	<0.5 mg/kg	... 12/17/91	... JF
3 ...	S3 (S. End)	<0.5 mg/kg	... 12/17/91	... JF
4 ...	S4 (E. End)	<0.5 mg/kg	... 12/17/91	... JF
5 ...	S5 (Floor)	20 mg/kg	... 12/17/91	... JF

TOTAL SOLIDS

1 ...	S1 (N. End)	79.1 %	... 12/11/91	... SW
2 ...	S2 (W. End)	78.8 %	... 12/11/91	... SW
3 ...	S3 (S. End)	77.3 %	... 12/11/91	... SW
4 ...	S4 (E. End)	78.0 %	... 12/11/91	... SW
5 ...	S5 (Floor)	77.5 %	... 12/11/91	... SW

VOLATILE ORGANICS SOLIDS

1 ...	S1 (N. End)	Attached	... 12/10/91	... TS
2 ...	S2 (W. End)	Attached	... 12/10/91	... TS
3 ...	S3 (S. End)	Attached	... 12/10/91	... TS
4 ...	S4 (E. End)	Attached	... 12/10/91	... TS
5 ...	S5 (Floor)	Attached	... 12/10/91	... TS

ROBERT E. LEE & ASSOCIATES
Wisconsin Certification No: 405043870

CUSTOMER=====> 100150 - Internal Work-Jeff LaViolette
REPORT DATE====> 01/06/92 PROJECT=====> Fort Howard
JOB NUMBER=====> 1006410 LOCATION=====> Fort Howard
BATCH=====> 2 SAMPLED=====> 12/09/91

Sample #	Sample Id	Result	Analyzed	By
FLASHPOINT				
1 ...	C1	>150 'F	... 12/19/91	... MP
FREE LIQUIDS				
1 ...	C1	0 %	... 01/06/92	... CJ
GASOLINE RANGE ORGANICS				
1 ...	C1	<0.5 mg/kg	... 12/17/91	... JF
LAB pH				
1 ...	C1	8.03 S.U.	... 12/10/91	... SW
REACTIVITY				
1 ...	C1	No	... 12/11/91	... MU
TOTAL SOLIDS				
1 ...	C1	79.2 %	... 12/11/91	... SW
VOLATILE ORGANICS SOLIDS				
1 ...	C1	Attached	... 12/10/91	... TS

ROBERT E. LEE & ASSOCIATES
 LABORATORY SERVICES
 2825 S. WEBSTER AVE. P.O. BOX 2100
 GREEN BAY, WIS 54306
 TELEPHONE NUMBER: (414) 336 - 6338
 WISCONSIN CERTIFICATION NUMBER: 405043870

CLIENT: INTERNAL WORK
 DATE RECEIVED: 12/10/91
 DATE OF SAMPLES: 12/09/91
 REPORT DATE: 12/11/91
 PROJECT: FORT HOWARD
 PROJECT NUMBER: UNKNOWN
 REL JOB NUMBER: 1006410

PVOC ANALYSIS

THE FOLLOWING DATA HAS BEEN REVIEWED AND MEETS THE QA/QC REQUIREMENTS
 FOR BLANKS, STANDARDS, DUPLICATE ANALYSES AND SPIKED SAMPLES.

DATE ANALYZED 12/10/91
 ANALYZED BY J.DURANCEAU
 ANALYTICAL METHOD 8020*

TEST PARAMETER	MDL (MG/KG)	SAMPLE RESULTS (MG/KG)			
		S1 (N.END)	S2 (W.END)	S3 (S.END)	C1
BENZENE	0.006	ND	ND	ND	ND
TOLUENE	0.020	ND	ND	ND	ND
ETHYLBENZENE	0.015	ND	ND	ND	ND
XYLENES	0.025	ND	ND	ND	ND
MTBE	0.025	ND	ND	ND	ND
1,3,5-TRIMETHYLBENZENE	0.025	ND	ND	ND	ND
1,2,4-TRIMETHYLBENZENE	0.025	ND	ND	ND	ND

MDL=METHOD DETECTION LIMIT WITH NO DILUTION

D=DETECTED BUT BELOW MDL

* TEST METHODS FOR EVALUATING SOLID WASTE, SW-846

ATTEST



ROBERT E. LEE & ASSOCIATES
LABORATORY SERVICES
2825 S. WEBSTER AVE. P.O. BOX 2100
GREEN BAY, WIS 54306
TELEPHONE NUMBER: (414) 336 - 6338
WISCONSIN CERTIFICATION NUMBER: 405043870

CLIENT: INTERNAL WORK
DATE RECEIVED: 12/10/19
DATE OF SAMPLES: 12/09/91
REPORT DATE: 12/11/91
PROJECT: FORT HOWARD
PROJECT NUMBER: UNKNOWN
REL JOB NUMBER: 1006410

PVOC ANALYSIS

THE FOLLOWING DATA HAS BEEN REVIEWED AND MEETS THE QA/QC REQUIREMENTS FOR BLANKS, STANDARDS, DUPLICATE ANALYSES AND SPIKED SAMPLES.

DATE ANALYZED 12/10/91
ANALYZED BY J.DURANCEAU
ANALYTICAL METHOD 8020*

TEST PARAMETER	MDL (MG/KG)	SAMPLE RESULTS (MG/KG)	
		S4 (E.END)	S5 (FLOOR)
BENZENE	0.006	ND	ND
TOLUENE	0.020	ND	ND
ETHYLBENZENE	0.015	ND	ND
XYLENES	0.025	ND	ND
MTBE	0.025	ND	ND
1,3,5-TRIMETHYLBENZENE	0.025	ND	ND
1,2,4-TRIMETHYLBENZENE	0.025	ND	ND

MDL=METHOD DETECTION LIMIT WITH NO DILUTION

D=DETECTED BUT BELOW MDL

* TEST METHODS FOR EVALUATING SOLID WASTE, SW-846

ATTEST





Robert E. Lee & Associates

Engineering, Surveying, Laboratory Services

2825 S. Webster Ave. • Box 2100 • Green Bay, WI 54306-2100

Office 414.336.6338 • FAX 414.336.9141

MAIL RESULTS TO:	NAME
	ADDRESS
	CITY

JGL

Special Handling Request

Rush Analysis
Date Required: _____

Normal Turn Around

Chain of Custody Record

Client Number: <i>100641056</i>	Client Name: <i>FORT HOWARD</i>				Preservation	H = Hydrochloric Acid N = Nitric Acid S = Sulfuric Acid O = Sodium Hydroxide NA = None	Analysis Required	Comments
Project Number:	Sampled By: <i>Jeffrey A. Kachub</i>							
Project Name:								
Sample I.D.	Date	Time	Bottle Total	Sample Type				
<i>S1 (N. end)</i>	<i>12/10/91</i>	<i>11:00</i>	<i>1</i>	<i>soil</i>	<i>NA</i>	<i>GRO, PVOC</i>	<i>clay</i>	
<i>S2 (W. end)</i>	↓	↓	↓	↓	↓	"	"	
<i>S3 (S. end)</i>	↓	↓	↓	↓	↓	"	"	
<i>S4 (E. end)</i>	↓	↓	↓	↓	↓	"	"	
<i>S5 (floor)</i>	↓	↓	↓	↓	↓	"	"	
<i>C1 (contaminated soil)</i>	↓	↓	↓	↓	↓	<i>GRO, Benzene, Free lig & Heavy Metals</i>		

	Relinquished By	Date	Time	Received By	Date	Time
1)	<i>Jeffrey A. Kachub</i>	<i>12/10/91</i>	<i>8:10</i>			
2)						
3)						
4)						

Temperature of Contents: 2 °C

Condition of Seals: _____

Condition of Contents: _____

Received in Laboratory By: *JYrow* *12/10/91* *8:15*

Please complete shaded areas and return top two copies with samples.



ROBERT E. LEE & ASSOCIATES, INC.

ENGINEERING • SURVEYING • LABORATORY SERVICES (414) 336-6338
Box 2100 2825 S. Webster Avenue Green Bay, WI 54306-2100

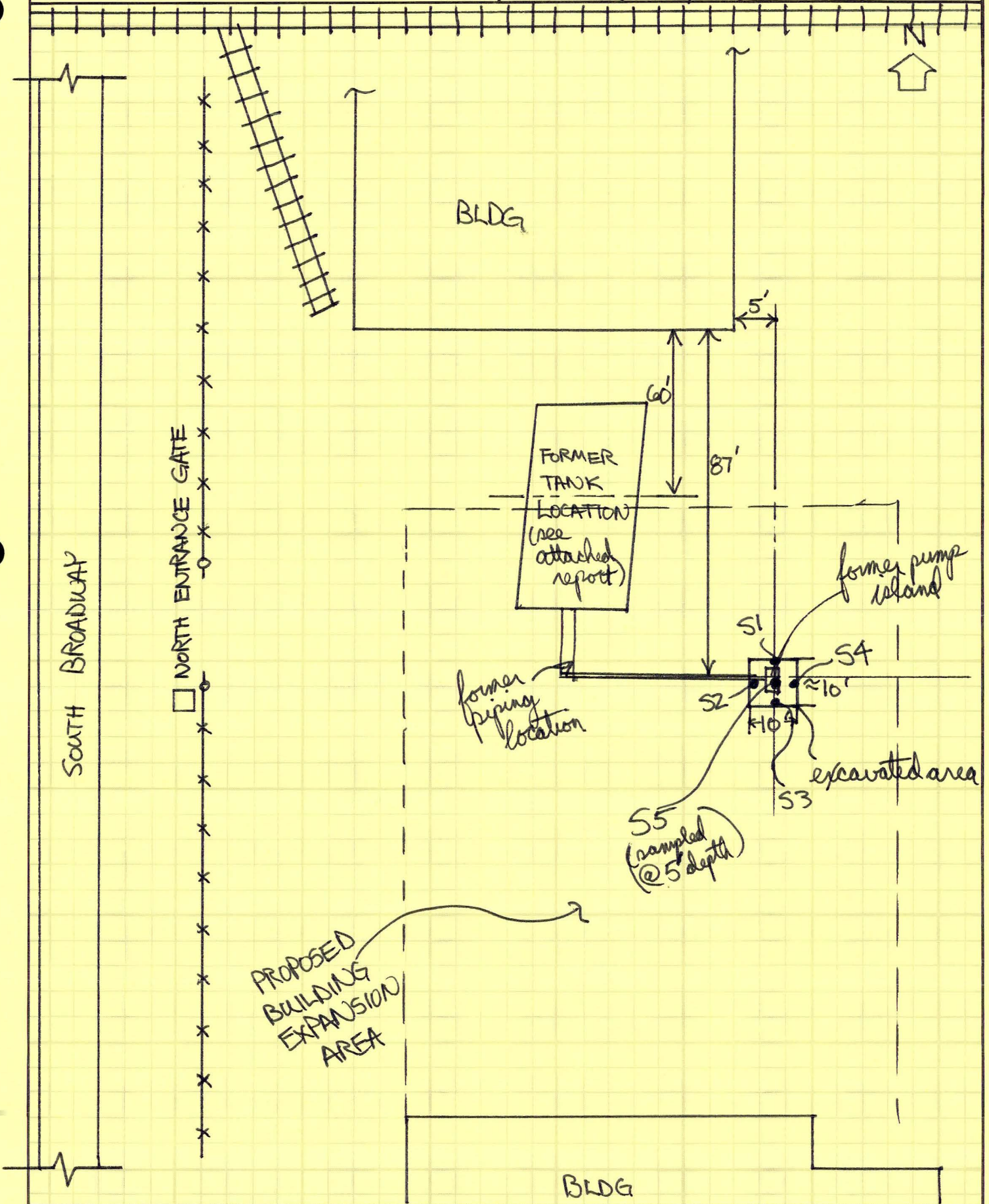
SUBJECT FORT HOWARD

JOB NO.

DATE 12/9/91

BY

SHEET



-SITE SKETCH-
NOT TO SCALE

FORT HOWARD CORPORATION
1919 S. BROADWAY
GREEN BAY, WI 54304
PHOTOGRAPHS TAKEN 12/9/91.















10/21/01

ATTACHMENTS



Robert E. Lee & Associates
Engineering, Surveying, Laboratory Services

November 20, 1991

2825 S. Webster Ave.
P.O. Box 2100
Green Bay, WI 54306-2100
414/336-6338
FAX 414/336-9141

Ms. Jackie Powell
FORT HOWARD PAPER CORPORATION
1919 S. Broadway
Green Bay, WI 54304

RE: Tank Removal Certification for Underground Storage Tanks Located at the Above Address

Dear Ms. Powell:

We have completed the laboratory analysis of the soil samples we collected on November 4, 1991 from the above mentioned property. These samples were taken to certify the removal of one 20,000-gallon diesel fuel and one 12,000-gallon gasoline underground storage tanks.

Based upon the TPH (Total Petroleum Hydrocarbon) laboratory analysis on the soil sample we collected, there is indication of contamination of the soil due to petroleum products. The TPH analysis results are above the WDNR established policy standard of 10 ppm. For exact laboratory data per parameter, please see attachment.

Also enclosed is a Field Observation Data Sheet for additional removal information, a site map, chain of custody records, photographs taken during the tank removal, and the Underground Petroleum Product Tank Inventory form which was sent to DILHR to update their files.

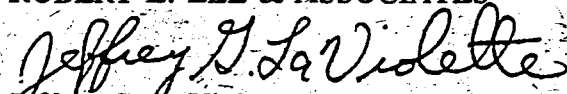
Under s. 144.76(3), Wis. Stats., any person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Based upon these results, the Wisconsin WDNR may require investigation and remediation of the site to remove the contamination. The WDNR will notify you of the required action you must take.

If you have any questions or comments, please call.

Sincerely,

ROBERT E. LEE & ASSOCIATES


Jeffrey G. LaViolette
Project Engineer

ENC.

cc: DILHR, Safety & Building Division
Bruce Urben, Unit Leader, WDNR-Lake Michigan District

ROBERT E. LEE AND ASSOCIATES, INC.

FIELD OBSERVATION OF UNDERGROUND TANK REMOVAL

DATE OF REPORT: November 20, 1991

TANK LOCATION: Fort Howard Paper Corporation
1919 S. Broadway
Green Bay, WI 54304

OWNER REPRESENTATIVE : Jackie Powell

A. TANK INFORMATION

1. TANK ID NO.: not available
2. TANK INSTALLATION DATE: Tanks installed in 1987.
3. NOTIFICATION OF STATE AGENCY: DNR & DILHR
notified on 11/91.
4. NOTIFICATION OF FIRE MARSHAL: Captain Mike Jensen of the
Green Bay Fire Department was notified but was not
present.
5. TANK LOCATION: The tanks were located on the south
side of the existing building. (See site map.)
6. TANK DIMENSIONS: #1, 10.5' x 38'; #2, 8' x 37'
7. TANK CAPACITY: #1, 20,000; #2 12,000 gallons.
8. TANK MANUFACTURER AND MODEL NO.: N/A
9. TANK AND TANK LINER MATERIAL: Fiberglass.
10. TYPE OF CORROSION PROTECTION: None
11. MATERIAL STORED IN TANK: #1, Diesel fuel; #2, Gasoline.
12. DATE TANK REMOVED FROM SERVICE: 10/91.
13. DATE TANK REMOVED FROM GROUND: November 4, 1991
14. WEATHER CONDITIONS AT THE TIME OF REMOVAL:
Clear; Approx. 20oF

B. REMOVAL INFORMATION

1. PARTY RESPONSIBLE FOR REMOVAL: McKeefry & Sons
Pulaski, WI
2. PARTY RESPONSIBLE FOR BACKFILL: McKeefry & Sons
Pulaski, WI
3. RESPONSIBLE ON-SITE REPRESENTATIVE: Doug McKeefry
4. DESCRIBE METHODS USED FOR DRAINING AND PURGING TANK:

JAVCO INC, Green Bay, WI was responsible for the tank cleaning. Cleaning was accomplished shortly after the tanks were removed from the excavation. The tanks were purged with air to remove explosive vapors, and excess product was pumped to barrels. The tanks were wiped down and the manways were left open for ventilation.

5. DESCRIBE METHOD USED FOR REMOVING TANK:

The tanks were removed with the use of a backhoe by excavating the soil adjacent to the tanks and lifting them out with the backhoe.

6. DESCRIBE TIME AND PROCEDURES USED FOR BACKFILLING:

Backfilling took place shortly after soil samples were gathered. The backfill consisted of clean sand and gravel soils.

C. INSPECTION INFORMATION

1. DESCRIBE CONDITION OF TANK AND PIPING:

Visual inspection of the tanks and piping indicated that the tanks were in good condition. The total piping run consisted of approximately 50 feet of piping leading to the island located directly southeast of the tanks that were removed.

2. DESCRIBE NATIVE SOILS AND BACKFILL MATERIAL:

The native soils consisted of dense clay.

3. DESCRIBE FIELD ANALYTICAL SAMPLING EQUIPMENT:

The field sampling equipment (where applicable) consists of either a Microtip photoanalyzer detector (PID) with a 10.6 eV lamp or a Sensidyne Flame Ionization detector (FID), along with visual and odor observations. Sample jars consisted of glass jars with teflon lined caps.

4. DESCRIBE HOW, WHERE, AND NUMBER OF SAMPLES COLLECTED:

Samples were collected from the base of the excavation from each end of each tank approximately 2 feet below the bottom of the tank. A sample was also taken along the piping run. Samples were taken at depth of groundwater which was approximately 15 feet.

5. IDENTIFY LAB USED FOR SAMPLE ANALYSIS:

The soils were analyzed at the Robert E. Lee and Associates laboratory, State Certification # 405043870. Samples were analyzed on a Hewlett Packard Gas Chromatograph in accordance to procedures under the June, 1991 Lust Analytical Guidance.

(See attached Lab Results.)

D. DISPOSAL INFORMATION

1. INDICATE AMOUNT OF PRODUCT REMOVED AND IDENTIFY CONTRACTOR:

Remaining product was removed from the tanks by JAVCO, Inc. Disposal of this waste will be conducted by Javco, Inc.

2. IDENTIFY CONTRACTOR RESPONSIBLE FOR TANK DISPOSAL:

The tanks will be re-certified and to be re-installed for use by Felker Petroleum Inc.

3. DESCRIBE METHODS USED TO EVALUATE, STORE, AND DISPOSE OF CONTAMINATED SOILS:

Contaminated soils not removed at this time.

SIGNATURE OF FIELD REPRESENTATIVE

Glenn J. Willens

DATE: Nov. 20, 1991

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

Office Use Only:
ID #

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (including piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner.

Registration applies to a tank that is (check one): <input type="checkbox"/> In Use or New <input type="checkbox"/> Abandoned With Product <input type="checkbox"/> Abandoned No Product (empty) or With Water	<input checked="" type="checkbox"/> Closed - Tank Removed <input type="checkbox"/> Closed - Filled With Inert Material <input type="checkbox"/> Out of Service	<input type="checkbox"/> Changed Ownership (Indicate new owner below)	Fire Department Providing Fire Coverage Where Tank Located: CITY OF GREEN BAY
---	--	---	---

IDENTIFICATION: (Please Print)

1. Tank Site Name FORT HOWARD CORPORATION	Site Address 1919 S. BROADWAY	Site Telephone No. (414) 435-8821
<input checked="" type="checkbox"/> City GREEN BAY <input type="checkbox"/> Village <input type="checkbox"/> Town of:	State WISC.	Zip Code 54304 County BROWN

2. Owner Name (mail sent here unless indicated otherwise in #3 below) JACKIE POWELL	Owner Mailing Address (mail sent here unless indicated otherwise in #3)
<input type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town of:	State Zip Code County

3. Alternate Mailing Name If Different Than #2	Alternate Mailing Street Address If Different From #2
<input type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town of:	State Zip Code County

4. Tank Age (date installed, if known: or years old) 10/1/87 - 4 YEARS	5. Tank Capacity (gallons) 12,000	6. Tank Manufacturer's Name (if known) XERXES
--	---	---

B. TYPE OF USER (check one)			
<input type="checkbox"/> Gas Station	<input type="checkbox"/> Bulk Storage	<input type="checkbox"/> Utility	<input type="checkbox"/> Mercantile
<input checked="" type="checkbox"/> Industrial	<input type="checkbox"/> Government	<input type="checkbox"/> School	<input type="checkbox"/> Residential
<input type="checkbox"/> Agricultural	10. <input type="checkbox"/> Other (specify):		

C. TANK CONSTRUCTION:			
<input type="checkbox"/> Bare Steel	<input type="checkbox"/> Cathodically Protected and Coated Steel (A. <input type="checkbox"/> Sacrificial Anodes or B. <input type="checkbox"/> Impressed Current)	<input type="checkbox"/> Coated Steel	
<input type="checkbox"/> Coated Steel	<input checked="" type="checkbox"/> Fiberglass	<input type="checkbox"/> Other (specify):	
<input type="checkbox"/> Relined	<input type="checkbox"/> Steel - Fiberglass Reinforced Plastic Composite	<input type="checkbox"/> Unknown	

Approval: 1. <input type="checkbox"/> Nat'l Std. 2. <input checked="" type="checkbox"/> UL 3. <input type="checkbox"/> Other:	Is Tank Double Walled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Spill Protection Provided? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, identify type:	Spill Containment? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Tank leak detection method: 1. <input type="checkbox"/> Automatic tank gauging 2. <input type="checkbox"/> Vapor monitoring 3. <input type="checkbox"/> Groundwater monitoring 4. <input type="checkbox"/> Inventory control and fitness testing 5. <input checked="" type="checkbox"/> Interstitial monitoring 6. <input type="checkbox"/> Not required at present 7. <input type="checkbox"/> Manual Tank Gauging (only for tanks of 1,000 gallons or less)

D. PIPING CONSTRUCTION			
<input type="checkbox"/> Bare Steel	<input type="checkbox"/> Cathodically Protected and Coated or Wrapped Steel (A. <input type="checkbox"/> Sacrificial Anodes or B. <input type="checkbox"/> Impressed Current)	<input type="checkbox"/> Coated Steel	
<input checked="" type="checkbox"/> Fiberglass	<input type="checkbox"/> Other (specify):		<input type="checkbox"/> Unknown

Piping System Type: 1. <input type="checkbox"/> Pressurized piping with: A. <input type="checkbox"/> auto shutoff; B. <input type="checkbox"/> alarm; or C. <input type="checkbox"/> flow restrictor 2. <input type="checkbox"/> Suction piping with check valve at tank 3. <input checked="" type="checkbox"/> Suction piping with check valve at pump and inspectable

Piping leak detection method: used if pressurized or check valve at tank: 1. <input type="checkbox"/> Vapor monitoring 2. <input checked="" type="checkbox"/> Interstitial monitoring 3. <input type="checkbox"/> Groundwater monitoring 4. <input type="checkbox"/> Tightness testing 5. <input type="checkbox"/> Line Leak Detector 6. <input type="checkbox"/> Not Required	Double Walled: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
--	--

E. TANK CONTENTS				
<input type="checkbox"/> Diesel	<input type="checkbox"/> Leaded	<input checked="" type="checkbox"/> Unleaded	<input type="checkbox"/> Fuel Oil	
<input type="checkbox"/> Gasohol	<input type="checkbox"/> Other	<input type="checkbox"/> Empty	<input type="checkbox"/> Sand/Gravel Slurry	
<input type="checkbox"/> Unknown	<input type="checkbox"/> Premix	<input type="checkbox"/> Waste Oil	<input type="checkbox"/> Propane	
<input type="checkbox"/> Chemical*		<input type="checkbox"/> Kerosene	<input type="checkbox"/> Aviation	

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Closed, Give Date (mo/day/yr): NOVEMBER 4, 1991	Has a site assessment been completed? (see reverse side for details) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
---	---

Installation of a new tank is being reported, indicate who performed the installation inspection:		
<input type="checkbox"/> Fire Department	<input type="checkbox"/> DILHR	<input type="checkbox"/> Other (identify)

Name of Owner or Operator (please print): Jackie Powell Technical Dept.	Indicate Whether: <input type="checkbox"/> Owner or <input checked="" type="checkbox"/> Operator
---	---

Signature of Owner or Operator: Henry J. Willems (ROBERT E. LEE & ASSOCIATES)	Date Signed: NOVEMBER 19, 1991
---	--

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

Use Only:
#

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that are owned or currently store petroleum or regulated substances. Please see the reverse side for additional information regarding this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (including piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner.

1. <input type="checkbox"/> Installation applies to a tank that is (check one): <input type="checkbox"/> Use of New <input type="checkbox"/> Abandoned With Product <input type="checkbox"/> Abandoned No Product (empty) <input type="checkbox"/> With Water			4. <input checked="" type="checkbox"/> Closed - Tank Removed 6. <input type="checkbox"/> Closed - Filled With Inert Material 7. <input type="checkbox"/> Out of Service		B. <input type="checkbox"/> Changed Ownership (Indicate new owner below)		Fire Department Providing Fire Coverage Where Tank Located: <p style="font-size: 1.5em; text-align: center;"><i>CITY OF GREEN BAY</i></p>	
---	--	--	---	--	--	--	--	--

IDENTIFICATION: (Please Print)

Tank Site Name PORT HOWARD CORPORATION	Site Address 1919 S. BROADWAY	Site Telephone No. (414) 435-8821
<input type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town of: GREEN BAY	State WISCONS.	Zip Code 53304
County BROWN		

Owner Name (mail sent here unless indicated otherwise in #3 below) JACKIE POWELL	Owner Mailing Address (mail sent here unless indicated otherwise in #3) JACKIE POWELL
<input type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town of:	State Zip Code County

Alternate Mailing Name If Different Than #2	Alternate Mailing Street Address If Different From #2
<input type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town of:	State Zip Code County

4. Tank Age (date installed, if known; or years old) 10/1/87 - 4 YEARS	5. Tank Capacity (gallons) 20,000	6. Tank Manufacturer's Name (if known) XERXES
--	---	---

TYPE OF USER (check one):

1. <input type="checkbox"/> Gas Station	2. <input type="checkbox"/> Bulk Storage	3. <input type="checkbox"/> Utility	4. <input type="checkbox"/> Mercantile
5. <input checked="" type="checkbox"/> Industrial	6. <input type="checkbox"/> Government	7. <input type="checkbox"/> School	8. <input type="checkbox"/> Residential
9. <input type="checkbox"/> Agricultural	10. <input type="checkbox"/> Other (specify):		

TANK CONSTRUCTION:

1. <input type="checkbox"/> Bare Steel	2. <input type="checkbox"/> Cathodically Protected and Coated Steel (A. <input type="checkbox"/> Sacrificial Anodes or B. <input type="checkbox"/> Impressed Current)
3. <input type="checkbox"/> Coated Steel	4. <input checked="" type="checkbox"/> Fiberglass
5. <input type="checkbox"/> Relined	7. <input type="checkbox"/> Steel-Fiberglass Reinforced Plastic Composite
9. <input type="checkbox"/> Unknown	

Approval: 1. Nat'l Std. 2. UL 3. Other: _____

Is Tank Double Walled? Yes No

Overfill Protection Provided? Yes No If yes, identify type: _____

Spill Containment? Yes No

Tank leak detection method: 1. Automatic tank gauging 2. Vapor monitoring 3. Groundwater monitoring 4. Inventory control and tightness testing 5. Interstitial monitoring 6. Not required at present 7. Manual Tank Gauging (only for tanks of 1,000 gallons or less)

PIPING CONSTRUCTION:

1. <input type="checkbox"/> Bare Steel	2. <input type="checkbox"/> Cathodically Protected and Coated or Wrapped Steel (A. <input type="checkbox"/> Sacrificial Anodes or B. <input type="checkbox"/> Impressed Current)	3. <input type="checkbox"/> Coated Steel
4. <input checked="" type="checkbox"/> Fiberglass	5. <input type="checkbox"/> Other (specify):	9. <input type="checkbox"/> Unknown

Piping System Type: 1. Pressurized piping with: A. auto shutoff; B. alarm; or C. flow restrictor 2. Suction piping with check valve at tank 3. Suction piping with check valve at pump and inspectable

Piping leak detection method: used if pressurized or check valve at tank: 1. Vapor monitoring 2. Interstitial monitoring 3. Groundwater monitoring 4. Tightness testing 5. Line Leak Detector 6. Not Required

Approval: 1. Nat'l Std. 2. UL 3. Other: _____

Double Walled: Yes No

TANK CONTENTS:

1. <input checked="" type="checkbox"/> Diesel	2. <input type="checkbox"/> Leaded	3. <input type="checkbox"/> Unleaded	4. <input type="checkbox"/> Fuel Oil
5. <input type="checkbox"/> Gasohol	6. <input type="checkbox"/> Other	7. <input type="checkbox"/> Empty	8. <input type="checkbox"/> Sand/Gravel/Slurry
9. <input type="checkbox"/> Unknown	10. <input type="checkbox"/> Premix	11. <input type="checkbox"/> Waste Oil	12. <input type="checkbox"/> Propane
13. <input type="checkbox"/> Chemical *	14. <input type="checkbox"/> Kerosene	15. <input type="checkbox"/> Aviation	

* If 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

Tank Closed, Give Date (month/day/yr): **NOVEMBER 4, 1991**

Has a site assessment been completed? (see reverse side for details) Yes No

If installation of a new tank is being reported, indicate who performed the installation inspection:

<input type="checkbox"/> Fire Department	2. <input type="checkbox"/> DILHR	3. <input type="checkbox"/> Other (identify):
--	-----------------------------------	---

Name of Owner or Operator (please print): **Jackie Powell** Technical Dept.

Indicate whether: Owner or Operator

Signature of Owner or Operator: **Glen J. Willems (ROBERT E. LEE & ASSOCIATES)** Date Signed: **NOVEMBER 19, 1991**



Robert E. Lee & Associates
Engineering, Surveying, Laboratory Services

Wisconsin Certification No: 405043870

2825 S. Webster Ave.
P.O. Box 2100
Green Bay, WI 54306-2100
414336-6338
FAX 414336-9141

REPORT DATE====> 11/11/91

JOB NUMBER=====> 1005923

CUSTOMER=====> 100150

Internal Work-Jeff LaViolette

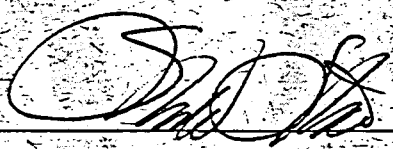
CONTACT=====> Jeff LaViolette

PROJECT=====> Felker, Ft.Howard

RECEIVED=====> 11/07/91

SAMPLED=====> 11/04/91

COMMENTS:

ATTEST: 

ROBERT E. LEE & ASSOCIATES
Wisconsin Certification No: 405043870

CUSTOMER=====> 100150 - Internal Work-Jeff LaViolette
REPORT DATE=====> 11/11/91 PROJECT=====> Felker, Ft.Howard
JOB NUMBER=====> 1005923 LOCATION=====> Fort Howard
BATCH=====> 1 SAMPLED=====> 11/04/91

Sample #	Sample Id	Result	Analyzed	By
GASOLINE RANGE ORGANICS				
1	I-1	17	11/07/91	JF
2	P-2	4.0	11/07/91	JF
TOTAL SOLIDS				
1	I-1	77.9	11/07/91	DT
2	P-2	80.9	11/07/91	DT



Robert E. Lee & Associates

Engineering, Surveying, Laboratory Services

2825 S. Webster Ave. • Box 2100 • Green Bay, WI 54306-2100
Office 414.336.6338 • FAX 414.336.9141

MAIL RESULTS TO:	NAME <i>J.G.L.</i>
	ADDRESS
	CITY

Special Handling Request

Rush Analysis Date Required: 11/8/91

Normal Turn Around

Chain of Custody Record

Client Number: <i>J</i> <i>1002923 d.l.</i>		Client Name: FELKER - FORT HOWARD			Preservation H = Hydrochloric Acid N = Nitric Acid S = Sulfuric Acid O = Sodium Hydroxide NA = None	Analysis Required	Comments
Project Number: <i>1387015</i>		Sampled By: <i>GLENN WILLEMS</i>					
Project Name:							
Sample I.D.	Date	Time	Bottle Total	Sample Type			
<i>I1 (ISLAND)</i>	<i>11/4</i>	<i>3:30</i>	<i>1</i>	<i>SOIL</i>	<i>N/A</i>	<i>GRO, 11/4</i>	<i>CLAY SOIL</i>
<i>P2 (PIPING RUN)</i>	<i>11/4</i>	<i>3:15</i>	<i>1</i>	<i>SOIL</i>	<i>N/A</i>	<i>GRO, 11/4</i>	<i>CLAY SOIL</i>
							<i>SUBMIT RESULTS TO JEFF LAVIOLETTE</i>

Relinquished By	Date	Time	Received By	Date	Time
<i>Glenn J. Willem</i>	<i>11/4/91</i>	<i>5:10</i>			
1)					
2)					
3)					
4)					

Temperature of Contents: *30* °C

Condition of Seals: _____

Condition of Contents: _____

Received in Laboratory By: *A. Tollner 145* *10/7/91*

Please complete shaded areas and return top two copies with samples.



Robert E. Lee & Associates
Engineering, Surveying, Laboratory Services

Wisconsin Certification No: 405043870

2825 S. Webster Ave.
P.O. Box 2100
Green Bay, WI 54306-2100
414/336-6338
FAX 414/336-9141

REPORT DATE====> 11/19/91

JOB NUMBER====> 1005940

CUSTOMER=====> 100150

Internal Work-Jeff LaViolette

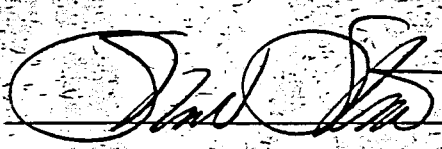
CONTACT=====> Jeff LaViolette

PROJECT=====> Fort Howard

RECEIVED=====> 11/08/91

SAMPLED=====> 11/04/91

COMMENTS:

ATTEST: 

ROBERT E. LEE & ASSOCIATES
Wisconsin Certification No: 405043870

CUSTOMER=====> 100150 - Internal Work-Jeff LaViolette
REPORT DATE=====> 11/19/91 PROJECT=====> Fort Howard
JOB NUMBER=====> 1005940 LOCATION=====> Fort Howard
BATCH=====> 1 SAMPLED=====> 11/04/91

Sample #	Sample Id	Result	Analyzed	By
----------	-----------	--------	----------	----

DIESEL RANGE ORGANICS

1 ... S1	4.0	mg/kg	... 11/13/91	... SH
2 ... S2	<0.5	mg/kg	... 11/13/91	... SH

EXTRACTION DATE - DIESEL

1 ... S1	Extracted	On	... 11/11/91	... TO
2 ... S2	Extracted	On	... 11/11/91	... TO

TOTAL SOLIDS

1 ... S1	81.8	%	... 11/12/91	... DT
2 ... S2	83.6	%	... 11/12/91	... DT

ROBERT E. LEE & ASSOCIATES
Wisconsin Certification No: 405043870

CUSTOMER=====> 100150 - Internal Work-Jeff LaViolette
REPORT DATE====> 11/19/91 PROJECT=====> Fort Howard
JOB NUMBER=====> 1005940 LOCATION=====> Fort Howard
BATCH=====> 2 SAMPLED=====> 11/04/91

Sample #	Sample Id	Result	Analyzed	By
----------	-----------	--------	----------	----

GASOLINE RANGE ORGANICS

1 ...	S3	<0.5 (6) mg/kg	... 11/14/91	... TR
2 ...	S4	<0.5 (6) mg/kg	... 11/14/91	... TR

TOTAL SOLIDS

1 ...	S3	81.9 %	... 11/12/91	... DT
2 ...	S4	84.6 %	... 11/12/91	... DT

ROBERT E. LEE & ASSOCIATES
Wisconsin Certification No: 405043870

CUSTOMER=====> 100150 - Internal Work-Jeff LaViolette
REPORT DATE====> 11/19/91 PROJECT=====> Fort Howard
JOB NUMBER====> 1005940 LOCATION====> Fort Howard
BATCH=====> 3 SAMPLED=====> 11/04/91

Sample #	Sample Id	Result	Analyzed	By
----------	-----------	--------	----------	----

DIESEL RANGE ORGANICS

1 ... P1	4.1	mg/kg	... 11/13/91	... SH
----------	-----	-------	--------------	--------

EXTRACTION DATE - DIESEL

1 ... P1	Extracted	On	... 11/13/91	... SH
----------	-----------	----	--------------	--------

GASOLINE RANGE ORGANICS

1 ... P1	0.5	mg/kg	... 11/14/91	... TR
----------	-----	-------	--------------	--------

TOTAL SOLIDS

1 ... P1	76.2	%	... 11/12/91	... DT
----------	------	---	--------------	--------

Figures in parentheses after the analytical results indicate that a violation of quality control has occurred in our laboratory. Please see the key below to determine what violation has occurred.

1. The result reported was included in an analytical batch in which the duplicate analysis failed the acceptable quality control limits.
2. The result reported was included in an analytical batch in which the spike analysis failed the acceptable quality control limits.
3. The result reported was included in an analytical batch in which the check standard failed the acceptable quality control limits.
4. The reported duplicate value for this sample failed the acceptable quality control limits for duplicate analysis.
5. The reported spike recovery for this sample failed the acceptable quality control limits for spike analysis.
6. The result reported was influenced by a sample interference in the analytical method.
7. Sample analyzed after holding time had expired.
8. The 5-day BOD result is reported as an "estimate" since the dilution was inadequate.



Robert E. Lee & Associates

Engineering, Surveying, Laboratory Services

2825 S. Webster Ave. • Box 2100 • Green Bay, WI 54306-2100

Office 414.336.6338 • FAX 414.336.9141

MAIL RESULTS TO:	NAME: <i>J.G.L.</i>
	ADDRESS:
	CITY:

Special Handling Request
Rush Analysis Date Required: _____
<input checked="" type="checkbox"/> Normal Turn Around

Chain of Custody Record

Client Number: <i>SS 1025410 TO</i>		Client Name: <i>FORT HOWARD</i>			Preservation H = Hydrochloric Acid N = Nitric Acid S = Sulfuric Acid O = Sodium Hydroxide NA = None	Analysis Required	Comments
Project Number:		Sampled By: <i>GLENN WILLEMS</i>					
Project Name:							
Sample I.D.	Date	Time	Bottle Total	Sample Type			
<i>S1 (S. END TANK #1)</i>	<i>11/4/91</i>	<i>2:00</i>	<i>1</i>	<i>SOIL</i>	<i>N/A</i>	<i>DRO</i>	<i>CLAY SOIL</i>
<i>S2 (N. END TANK #1)</i>	↓	<i>4:00</i>	↓	↓	↓	<i>DRO</i>	↓
<i>S3 (S. END TANK #2)</i>	↓	<i>2:30</i>	↓	↓	↓	<i>GRD</i>	↓
<i>S4 (N. END TANK #2)</i>	↓	<i>4:10</i>	↓	↓	↓	<i>GRD</i>	↓
<i>PI (PIPING RUN)</i>	↓	<i>2:45</i>	↓	↓	↓	<i>GRD, DRO</i>	↓
							<i>SUBMIT RESULTS TO</i>
							<i>JEFF LA VIOLETTE</i>

Relinquished By	Date	Time	Received By	Date	Time
<i>Glenn Willem</i>	<i>11/8/91</i>	<i>11:45</i>	_____	_____	_____
2)	_____	_____	_____	_____	_____
3)	_____	_____	_____	_____	_____
4)	_____	_____	_____	_____	_____

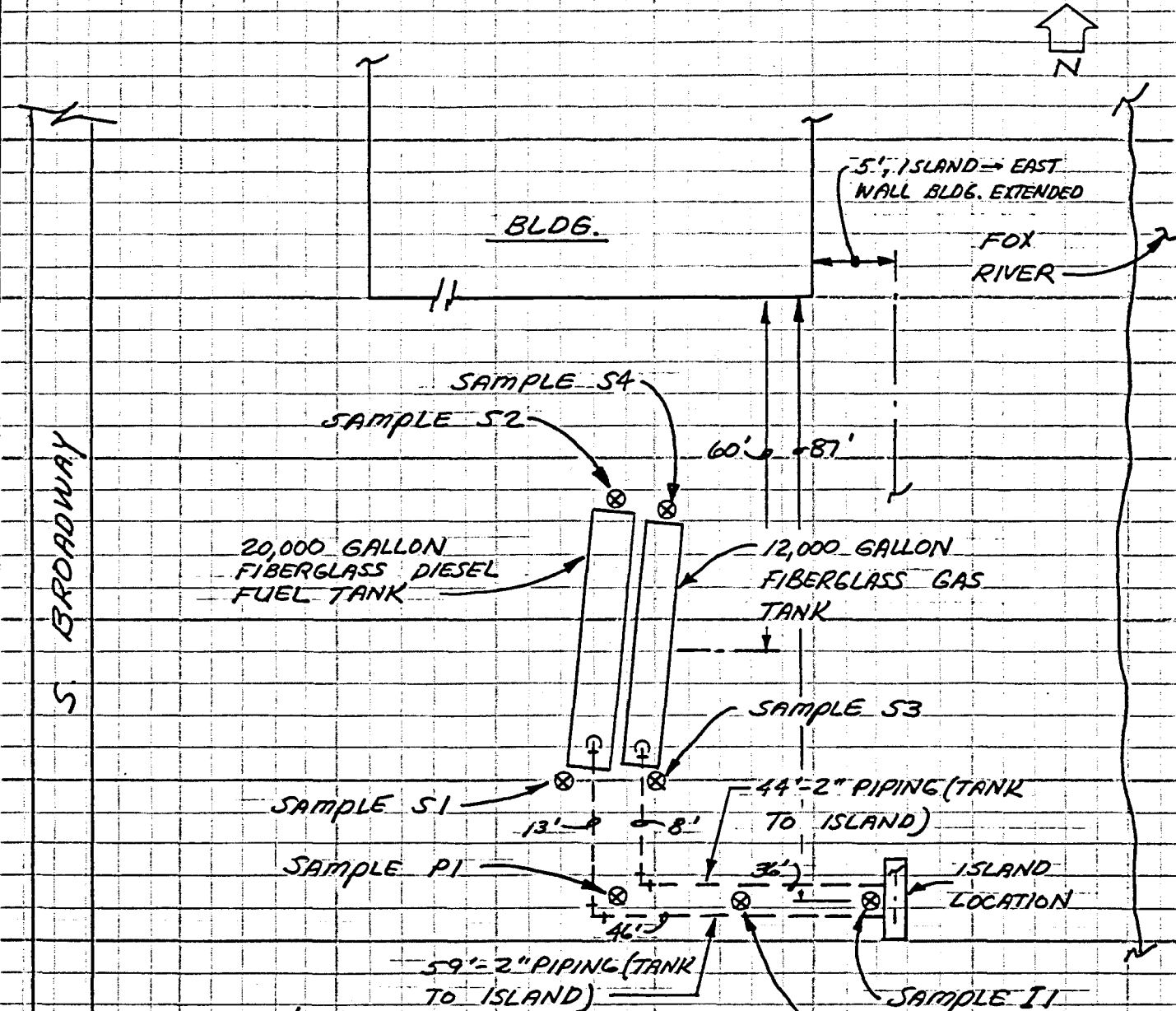
Temperature of Contents: *9* °C

Condition of Seals: _____

Condition of Contents: _____

Received in Laboratory By: *JRW* *11-8-91* *15:30*

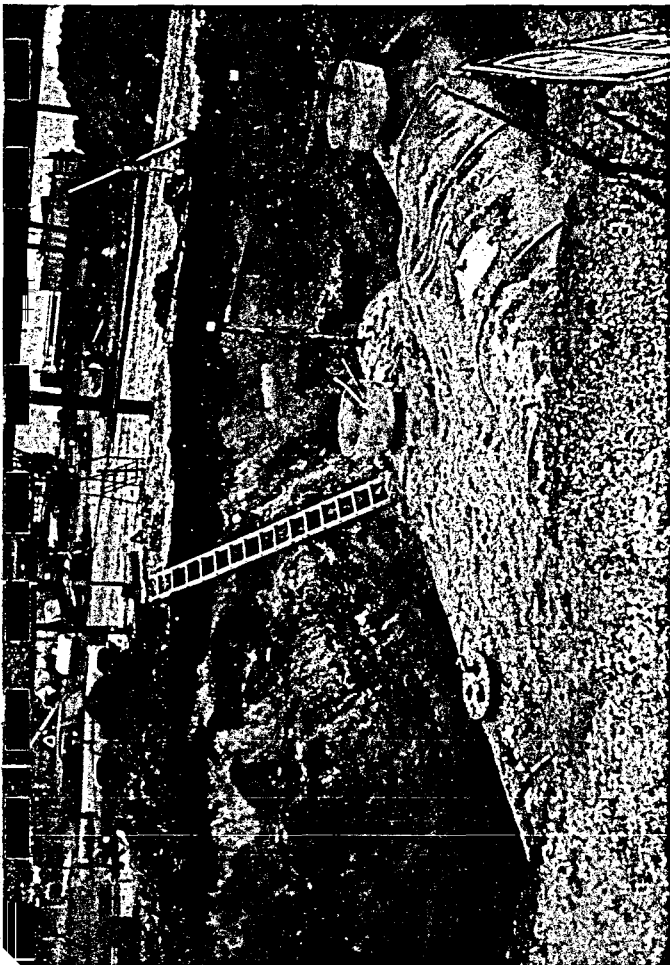
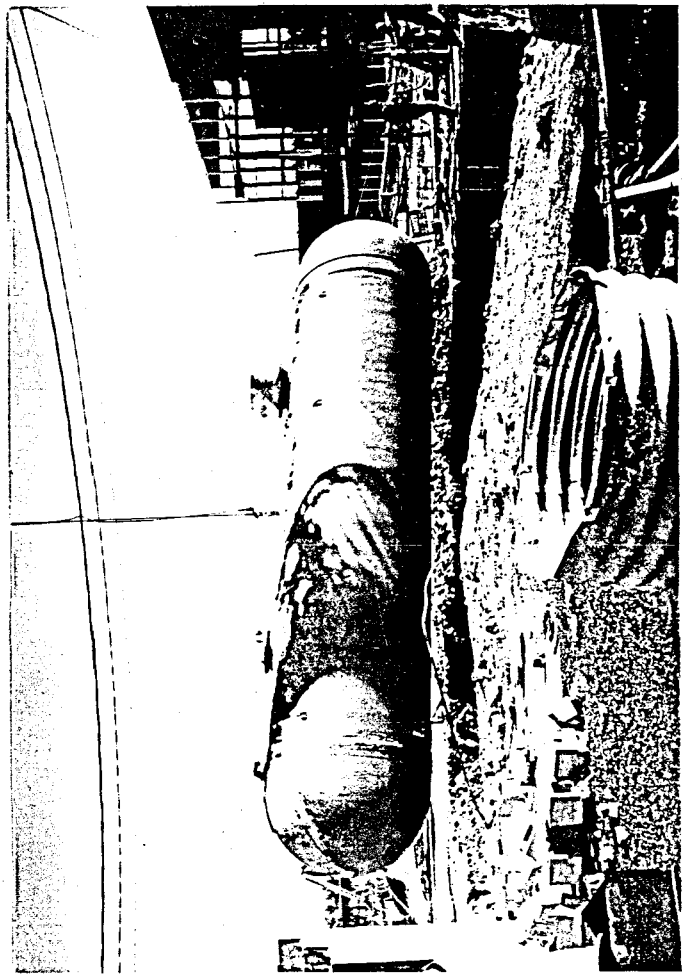
Please complete shaded areas and return top two copies with samples.



NOTE!
 SAMPLES S1 - S4 TAKEN 15' BELOW
 GROUND SURFACE AT GROUNDWATER ELEV.
 SAMPLES P1, P2 & I1 TAKEN 3' BELOW
 PIPING TO ISLAND.

FORT HOWARD
SITE PLAN MAP
NOT TO SCALE

FORT HOWARD PAPER CORPORATION
1919 S. BROADWAY
GREEN BAY, WI 54304
PHOTOGRAPHS TAKEN 11/4/91.





State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Beaudry
Secretary

1125 N. Military Avenue
P.O. Box 10448
Green Bay, WI 54307-0448
TELEFAX 414-492-6913

CERTIFIED MAIL/RETURN RECEIPT REQUESTED

November 29, 1991

Fort Howard Paper Corporation
Attn: Ms. Jackie Powell
1919 S. Broadway
Green Bay, WI 54304

COPY

RE: Leaking Underground Storage Tank System
Fort Howard Paper Corporation, 1919 S. Broadway, Green Bay
LMD LUST Case #05-01051

Dear Ms. Powell:

The Wisconsin Department of Natural Resources (WDNR) was notified on November 27, 1991, that petroleum contamination was discovered on November 4, 1991, at the above-referenced location. Based on the site-specific information provided, this case has been assigned to the LOW PRIORITY rank group. The purpose of this letter is to inform you of your legal responsibilities to address this situation.

Releases from underground storage tanks regulated under Subtitle I of the Resource Conservation and Recovery Act require compliance with the provisions of 40 CFR, Parts 280 and 281. The Environmental Protection Agency (EPA) has the authority to take enforcement action at any time, but will generally not take action against parties cooperating with the state. The WDNR proceeds in LUST cases under the authority of s. 144.76, Wisconsin Statutes, commonly referred to as Wisconsin's Hazardous Substance Spill Law. The definition of "hazardous substance" as found in s. 144.01(4m), Stats., includes petroleum products.

Wisconsin Statute 144.76(2a) states: "A person who possesses or controls a hazardous substance or who causes the discharge of a hazardous substance shall notify the Department immediately of any discharge not exempt under sub. (9)."

Wisconsin Statute 144.76(3) states: "A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state."

Because you possess or control a hazardous substance that has been released to the environment, the Department identifies you as the party responsible for taking the actions necessary to restore the environment. You are required to:

1. Immediately notify your WDNR project manager, should emergency conditions involving explosive vapors and/or well contamination develop.
2. Conduct an investigation to determine the extent of soil and groundwater contamination.
3. Remediate all of the environmental impacts caused by this situation.
4. Properly dispose of all petroleum contaminants.

The Department suggests that you have a qualified environmental engineer or hydrogeologist direct the remedial investigation, assess the environmental impact, and coordinate the implementation of a cleanup program. A list of consultants is enclosed for your information. Within 90 days, your consultant should submit a work plan to conduct a remedial investigation.

Final documentation of the investigation and cleanup should be prepared according to the guidance enclosed and sent to your WDNR project manager on completion of compliance with all applicable federal, state, and local laws and regulations. Remedial actions must adequately clean up contaminated soil and/or groundwater to current WDNR guidelines and/or standards. All product, soils, wastewater, and sludge must be disposed of in compliance with all applicable federal, state, and local laws and regulations. All groundwater remediation projects which discharge to surface or groundwater (including all discharges to storm sewers) must be covered by a WPDES Discharge Permit. The only discharges not requiring a permit are those to a sanitary sewer; however, in those cases, the treatment facility receiving the discharge and the owner of the sewer system must be contacted for approval. An application must be submitted as early as possible to allow time for needed monitoring or additional data collection prior to discharge. The permit will contain discharge limits for pollutants of concern, along with sampling frequency and test methods.

Before any contaminated soil can be treated or disposed, the enclosed form (No. 4400-120 or 4400-149, "Application to Treat or Dispose of Petroleum Contaminated Soil") must be completed and approved by the DNR; however, prior approval by the DNR is not necessary if the soil is to be buried at a landfill. Until the contaminated soils can be treated or disposed of, they should be stored on an impermeable surface, bermed to prevent runoff and runoff, and covered with an impermeable cover material such as plastic.

Because the Department is experiencing a backlog of leaking underground storage tank cases of emergency status, and your case is not currently ranked as an emergency, your submittals will be reviewed as time permits. Investigation and cleanup should not, however, be delayed pending WDNR review. You must proceed to determine the extent of soil and groundwater contamination, and to remediate the site in accordance with state groundwater standards as specified in Chapter NR 140, Wisconsin Administrative Code.

You are encouraged to contact the Department of Industry, Labor & Human Relations (DILHR), the state agency that administers the Petroleum Environmental Cleanup Fund (PECFA). This fund may reimburse you for eligible costs associated with the remedial investigation and cleanup. DILHR should be contacted at (608) 267-4545 to obtain current information regarding the PECFA program.

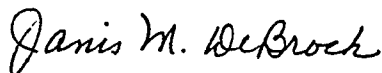
Failure to comply with these requirements could subject you to further enforcement action. Your cooperation in this matter will be appreciated. Please be aware that your ability to use PECFA funds is dependant on your cooperation in adequately addressing this problem.

CORRESPONDENCE AND REPORTS SHOULD BE DIRECTED TO YOUR WDNR PROJECT MANAGER AT THE FOLLOWING ADDRESS:

Alan Nass, DNR, 1125 N. Military Avenue, PO Box 10448, Green Bay, WI 54307-0448

If your consultant does not have the necessary remediation forms available to him, they may be obtained by contacting me at 414-492-5878.

Sincerely,



Janis M. DeBrock, Program Assistant
Leaking Underground Storage Tank Unit

Enc: Consultant List
Remedial Investigation Checklist
PECFA Fund Overview
Petroleum Environmental Cleanup Fund

cc: DILHR, 2331 San Luis Place, Green Bay, WI 54304

P 860 471 140



Certified Mail Receipt

No Insurance Coverage Provided

Do not use for International Mail

(See Reverse) C. Pribyl

Sent to

Ms. Jackie Powell

Street & No.

1919 S. Broadway

P.O., State & ZIP Code

Green Bay, WI 54304

Postage

\$

Certified Fee

Special Delivery Fee

Restricted Delivery Fee

Return Receipt Showing
to Whom & Date Delivered

Return Receipt Showing to Whom,
Date, & Address of Delivery

TOTAL Postage
& Fees

\$

Postmark or Date

Re: Fort Howard Paper
Corporation
LUST #05-01051

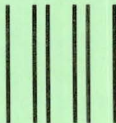
PS Form 3800, June 1990

**STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE,
CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES (see front).**

1. If you want this receipt postmarked, stick the gummed stub to the right of the return address leaving the receipt attached and present the article at a post office service window or hand it to your rural carrier (no extra charge).
2. If you do not want this receipt postmarked, stick the gummed stub to the right of the return address of the article, date, detach and retain the receipt, and mail the article.
3. If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to the back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.
4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.
5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in item 1 of Form 3811.
6. Save this receipt and present it if you make inquiry.

☆ U.S.G.P.O. 1990-270-153

United States Postal Service



Official Business



PENALTY FOR PRIVATE
USE, \$300

Print your name, address and ZIP Code here

C. Pribyl

DEPARTMENT OF NATURAL RESOURCES
LAKE MICHIGAN DISTRICT HEADQUARTERS
1125 NORTH MILITARY AVENUE
P. O. BOX 10448
GREEN BAY, WI 54307-0448

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece next to the article number.

I also wish to receive the following services (for an extra fee):

1. Addressee's Address
2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Fort Howard Paper Corporation
 Attn: Ms. Jackie Powell
 1919 S. Broadway
 Green Bay, WI 54304
 Re: LUST #05-01051

PO Box 19130

4a. Article Number

P 860 471 140

4b. Service Type

- | | |
|---|---|
| <input type="checkbox"/> Registered | <input type="checkbox"/> Insured |
| <input checked="" type="checkbox"/> Certified | <input type="checkbox"/> COD |
| <input type="checkbox"/> Express Mail | <input type="checkbox"/> Return Receipt for Merchandise |

7. Date of Delivery

NOV 30 1991

5. Signature (Addressee)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature (Agent)

November 20, 1991

RECEIVED
NOV 27 1991
LMD SOLID WASTE

2825 S. Webster Ave.
P.O. Box 2100
Green Bay, WI 54306-2100
414/336-6338
FAX 414/336-9141

Ms. Jackie Powell
FORT HOWARD PAPER CORPORATION
1919 S. Broadway
Green Bay, WI 54304

RE: Tank Removal Certification for Underground Storage Tanks Located at the Above Address

Dear Ms. Powell:

We have completed the laboratory analysis of the soil samples we collected on November 4, 1991 from the above mentioned property. These samples were taken to certify the removal of one 20,000-gallon diesel fuel and one 12,000-gallon gasoline underground storage tanks.

Based upon the TPH (Total Petroleum Hydrocarbon) laboratory analysis on the soil sample we collected, there is indication of contamination of the soil due to petroleum products. The TPH analysis results are above the WDNR established policy standard of 10 ppm. For exact laboratory data per parameter, please see attachment.

Also enclosed is a Field Observation Data Sheet for additional removal information, a site map, chain of custody records, photographs taken during the tank removal, and the Underground Petroleum Product Tank Inventory form which was sent to DILHR to update their files.

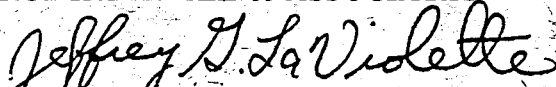
Under s. 144.76(3), Wis. Stats., any person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Based upon these results, the Wisconsin WDNR may require investigation and remediation of the site to remove the contamination. The WDNR will notify you of the required action you must take.

If you have any questions or comments, please call.

Sincerely,

ROBERT E. LEE & ASSOCIATES


Jeffrey G. LaViolette
Project Engineer

ENC.

cc: DILHR, Safety & Building Division
Bruce Urben, Unit Leader, WDNR-Lake Michigan District

ROBERT E. LEE AND ASSOCIATES, INC.

FIELD OBSERVATION OF UNDERGROUND TANK REMOVAL

DATE OF REPORT: November 20, 1991

TANK LOCATION: Fort Howard Paper Corporation
1919 S. Broadway
Green Bay, WI 54304

OWNER REPRESENTATIVE : Jackie Powell

RECEIVED

NOV 27 1991

LMD SOLID WASTE

A. TANK INFORMATION

1. TANK ID NO.: not available
2. TANK INSTALLATION DATE: Tanks installed in 1987.
3. NOTIFICATION OF STATE AGENCY: DNR & DILHR
notified on 11/91.
4. NOTIFICATION OF FIRE MARSHAL: Captain Mike Jensen of the
Green Bay Fire Department was notified but was not
present.
5. TANK LOCATION: The tanks were located on the south
side of the existing building. (See site map.)
6. TANK DIMENSIONS: #1, 10.5' x 38'; #2, 8' x 37'
7. TANK CAPACITY: #1, 20,000; #2 12,000 gallons.
8. TANK MANUFACTURER AND MODEL NO.: N/A
9. TANK AND TANK LINER MATERIAL: Fiberglass.
10. TYPE OF CORROSION PROTECTION: None
11. MATERIAL STORED IN TANK: #1, Diesel fuel; #2, Gasoline.
12. DATE TANK REMOVED FROM SERVICE: 10/91.
13. DATE TANK REMOVED FROM GROUND: November 4, 1991
14. WEATHER CONDITIONS AT THE TIME OF REMOVAL:
Clear; Approx. 20oF

B. REMOVAL INFORMATION

1. PARTY RESPONSIBLE FOR REMOVAL: McKeefry & Sons
Pulaski, WI
2. PARTY RESPONSIBLE FOR BACKFILL: McKeefry & Sons
Pulaski, WI
3. RESPONSIBLE ON-SITE REPRESENTATIVE: Doug McKeefry

4. DESCRIBE METHODS USED FOR DRAINING AND PURGING TANK:

JAVCO INC, Green Bay, WI was responsible for the tank cleaning. Cleaning was accomplished shortly after the tanks were removed from the excavation. The tanks were purged with air to remove explosive vapors, and excess product was pumped to barrels. The tanks were wiped down and the manways were left open for ventilation.

5. DESCRIBE METHOD USED FOR REMOVING TANK:

The tanks were removed with the use of a backhoe by excavating the soil adjacent to the tanks and lifting them out with the backhoe.

6. DESCRIBE TIME AND PROCEDURES USED FOR BACKFILLING:

Backfilling took place shortly after soil samples were gathered. The backfill consisted of clean sand and gravel soils.

C. INSPECTION INFORMATION

1. DESCRIBE CONDITION OF TANK AND PIPING:

Visual inspection of the tanks and piping indicated that the tanks were in good condition. The total piping run consisted of approximately 50 feet of piping leading to the island located directly southeast of the tanks that were removed.

2. DESCRIBE NATIVE SOILS AND BACKFILL MATERIAL:

The native soils consisted of dense clay.

3. DESCRIBE FIELD ANALYTICAL SAMPLING EQUIPMENT:

The field sampling equipment (where applicable) consists of either a Microtip photoanalyzer detector (PID) with a 10.6 eV lamp or a Sensidyne Flame Ionization detector (FID), along with visual and odor observations. Sample jars consisted of glass jars with teflon lined caps.

4. DESCRIBE HOW, WHERE, AND NUMBER OF SAMPLES COLLECTED:

Samples were collected from the base of the excavation from each end of each tank approximately 2 feet below the bottom of the tank. A sample was also taken along the piping run. Samples were taken at depth of groundwater which was approximately 15 feet.

5. IDENTIFY LAB USED FOR SAMPLE ANALYSIS:

The soils were analyzed at the Robert E. Lee and Associates laboratory, State Certification # 405043870. Samples were analyzed on a Hewlett Packard Gas Chromatograph in accordance to procedures under the June, 1991 Lust Analytical Guidance.

(See attached Lab Results.)

D. DISPOSAL INFORMATION

1. INDICATE AMOUNT OF PRODUCT REMOVED AND IDENTIFY CONTRACTOR:

Remaining product was removed from the tanks by JAVCO, Inc. Disposal of this waste will be conducted by Javco, Inc.

2. IDENTIFY CONTRACTOR RESPONSIBLE FOR TANK DISPOSAL:

The tanks will be re-certified and to be re-installed for use by Felker Petroleum Inc.

3. DESCRIBE METHODS USED TO EVALUATE, STORE, AND DISPOSE OF CONTAMINATED SOILS:

Contaminated soils not removed at this time.

SIGNATURE OF FIELD REPRESENTATIVE

Glenn J. Willens

DATE: Nov. 20, 1991

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

For Office Use Only:
Tank ID #

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (included piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner.

This registration applies to a tank that is (check one): 1. <input type="checkbox"/> In Use or New 2. <input type="checkbox"/> Abandoned With Product 3. <input type="checkbox"/> Abandoned No Product (empty) or With Water 4. <input checked="" type="checkbox"/> Closed - Tank Removed 6. <input type="checkbox"/> Closed - Filled With Inert Material 7. <input type="checkbox"/> Out of Service 8. <input type="checkbox"/> Changed Ownership (Indicate new owner below)	Fire Department Providing Fire Coverage Where Tank Located: <div style="font-size: 1.2em; font-family: cursive;">CITY OF GREEN BAY</div>
--	---

IDENTIFICATION: (Please Print)

1. Tank Site Name: FORT HOWARD CORPORATION	Site Address: 1919 S. BROADWAY	Site Telephone No.: (414) 435-8821
<input checked="" type="checkbox"/> City GREEN BAY <input type="checkbox"/> Village <input type="checkbox"/> Town of:	State: WISC.	Zip Code: 54304 County: BROWN
2. Owner Name (mail sent here unless indicated otherwise in #3 below): JACKIE POWELL		
<input type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town of:	State:	Zip Code: County:
3. Alternate Mailing Name If Different Than #2:		
<input type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town of:	State:	Zip Code: County:
4. Tank Age (date installed, if known: or years old): 10/1/87 - 4 YEARS	5. Tank Capacity (gallons): 12,000	6. Tank Manufacturer's Name (if known): XERXES

B. TYPE OF USER (check one)

1. <input type="checkbox"/> Gas Station	2. <input type="checkbox"/> Bulk Storage	3. <input type="checkbox"/> Utility	4. <input type="checkbox"/> Mercantile
5. <input checked="" type="checkbox"/> Industrial	6. <input type="checkbox"/> Government	7. <input type="checkbox"/> School	8. <input type="checkbox"/> Residential
9. <input type="checkbox"/> Agricultural	10. <input type="checkbox"/> Other (specify):		

C. TANK CONSTRUCTION:

1. <input type="checkbox"/> Bare Steel	2. <input type="checkbox"/> Cathodically Protected and Coated Steel (A. <input type="checkbox"/> Sacrificial Anodes or B. <input type="checkbox"/> Impressed Current)
3. <input type="checkbox"/> Coated Steel	4. <input checked="" type="checkbox"/> Fiberglass
5. <input type="checkbox"/> Other (specify):	6. <input type="checkbox"/> Steel - Fiberglass Reinforced Plastic Composite
7. <input type="checkbox"/> Reline	8. <input type="checkbox"/> Unknown

Approval: 1. Nat'l Std. 2. UL 3. Other:

Is Tank Double Walled? Yes No

Overfill Protection Provided? Yes No If yes, identify type: _____

Spill Containment? Yes No

Tank leak detection method: 1. Automatic tank gauging 2. Vapor monitoring 3. Groundwater monitoring 4. Inventory control and tightness testing 5. Interstitial monitoring 6. Not required at present 7. Manual Tank Gauging (only for tanks of 1,000 gallons or less)

D. PIPING CONSTRUCTION

1. <input type="checkbox"/> Bare Steel	2. <input type="checkbox"/> Cathodically Protected and Coated or Wrapped Steel (A. <input type="checkbox"/> Sacrificial Anodes or B. <input type="checkbox"/> Impressed Current)	3. <input type="checkbox"/> Coated Steel
4. <input checked="" type="checkbox"/> Fiberglass	5. <input type="checkbox"/> Other (specify):	6. <input type="checkbox"/> Unknown

Piping System Type: 1. Pressurized piping with: A. auto shutoff; B. alarm; or C. flow restrictor 2. Suction piping with check valve at tank
3. Suction piping with check valve at pump and inspectable

Piping leak detection method: used if pressurized or check valve at tank: 1. Vapor monitoring 2. Interstitial monitoring
3. Groundwater monitoring 4. Tightness testing 5. Line Leak Detector 6. Not Required

Approval: 1. Nat'l Std 2. UL 3. Other: Double Walled: Yes No

E. TANK CONTENTS

1. <input type="checkbox"/> Diesel	2. <input type="checkbox"/> Leaded	3. <input checked="" type="checkbox"/> Unleaded	4. <input type="checkbox"/> Fuel Oil
5. <input type="checkbox"/> Gasohol	6. <input type="checkbox"/> Other	7. <input type="checkbox"/> Empty	8. <input type="checkbox"/> Sand/Gravel/Slurry
9. <input type="checkbox"/> Unknown	10. <input type="checkbox"/> Premix	11. <input type="checkbox"/> Waste Oil	12. <input type="checkbox"/> Propane
13. <input type="checkbox"/> Chemical *	14. <input type="checkbox"/> Kerosene	15. <input type="checkbox"/> Aviation	

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Closed, Give Date (mo/day/yr): **NOVEMBER 4, 1991**

Has a site assessment been completed? (see reverse side for details) Yes No

If installation of a new tank is being reported, indicate who performed the installation inspection:
1. Fire Department 2. DILHR 3. Other (identify): _____

Name of Owner or Operator (please print): **JACKIE POWELL Technical Dept.** Indicate Whether: Owner or Operator

Signature of Owner or Operator: **Glenn J. Willems (ROBERT E. LEE & ASSOCIATES)** Date Signed: **NOVEMBER 19, 1991**

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

For Office Use Only:
Tank ID #

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (included piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner.

Is registration applies to a tank that is (check one):

<input type="checkbox"/> In Use or New	4. <input checked="" type="checkbox"/> Closed - Tank Removed	B. <input type="checkbox"/> Changed Ownership
<input type="checkbox"/> Abandoned With Product	6. <input type="checkbox"/> Closed - Filled With Inert Material	(Indicate new owner below)
<input type="checkbox"/> Abandoned No Product (empty) or With Water	7. <input type="checkbox"/> Out of Service	

Fire Department Providing Fire Coverage Where Tank Located:
CITY OF GREEN BAY

IDENTIFICATION: (Please Print)

1. Tank Site Name: **FORT HOWARD CORPORATION** Site Address: **1919 S. BROADWAY** Site Telephone No.: **(414) 435-8821**

City **GREEN BAY** Village Town of: State **WISC.** Zip Code **54304** County **BROWN**

2. Owner Name (mail sent here unless indicated otherwise in #3 below): **JACKIE POWELL** Owner Mailing Address (mail sent here unless indicated otherwise in #3)

City Village Town of: State Zip Code County

3. Alternate Mailing Name If Different Than #2: Alternate Mailing Street Address If Different From #2

City Village Town of: State Zip Code County

4. Tank Age (date installed, if known: or years old) **10/1/87 - 4 YEARS** 5. Tank Capacity (gallons) **20,000** 6. Tank Manufacturer's Name (if known) **XERXES**

TYPE OF USER (check one):

1. <input type="checkbox"/> Gas Station	2. <input type="checkbox"/> Bulk Storage	3. <input type="checkbox"/> Utility	4. <input type="checkbox"/> Mercantile
5. <input checked="" type="checkbox"/> Industrial	6. <input type="checkbox"/> Government	7. <input type="checkbox"/> School	8. <input type="checkbox"/> Residential
9. <input type="checkbox"/> Agricultural	10. <input type="checkbox"/> Other (specify):		

C. TANK CONSTRUCTION:

1. <input type="checkbox"/> Bare Steel	2. <input type="checkbox"/> Cathodically Protected and Coated Steel (A. <input type="checkbox"/> Sacrificial Anodes or B. <input type="checkbox"/> Impressed Current)
3. <input type="checkbox"/> Coated Steel	4. <input checked="" type="checkbox"/> Fiberglass
5. <input type="checkbox"/> Other (specify):	6. <input type="checkbox"/> Relined
7. <input type="checkbox"/> Steel-Fiberglass Reinforced Plastic Composite	8. <input type="checkbox"/> Unknown

Approval: 1. Nat'l Std. 2. UL 3. Other: Is Tank Double Walled? Yes No

Overfill Protection Provided? Yes No If yes, identify type: Spill Containment? Yes No

Tank leak detection method: 1. Automatic tank gauging 2. Vapor monitoring 3. Groundwater monitoring 4. Inventory control and tightness testing 5. Interstitial monitoring 6. Not required at present 7. Manual Tank Gauging (only for tanks of 1,000 gallons or less)

D. PIPING CONSTRUCTION:

1. <input type="checkbox"/> Bare Steel	2. <input type="checkbox"/> Cathodically Protected and Coated or Wrapped Steel (A. <input type="checkbox"/> Sacrificial Anodes or B. <input type="checkbox"/> Impressed Current)	3. <input type="checkbox"/> Coated Steel
4. <input checked="" type="checkbox"/> Fiberglass	5. <input type="checkbox"/> Other (specify):	6. <input type="checkbox"/> Unknown

Piping System Type: 1. Pressurized piping with: A. auto shutoff; B. alarm; or C. flow restrictor 2. Suction piping with check valve at tank 3. Suction piping with check valve at pump and inspectable

Piping leak detection method: used if pressurized or check valve at tank: 1. Vapor monitoring 2. Interstitial monitoring 3. Groundwater monitoring 4. Tightness testing 5. Line Leak Detector 6. Not Required

Approval: 1. Nat'l Std. 2. UL 3. Other: Double Walled: Yes No

E. TANK CONTENTS

1. <input checked="" type="checkbox"/> Diesel	2. <input type="checkbox"/> Leaded	3. <input type="checkbox"/> Unleaded	4. <input type="checkbox"/> Fuel Oil
5. <input type="checkbox"/> Gasohol	6. <input type="checkbox"/> Other	7. <input type="checkbox"/> Empty	8. <input type="checkbox"/> Sand/Gravel/Slurry
9. <input type="checkbox"/> Unknown	10. <input type="checkbox"/> Premix	11. <input type="checkbox"/> Waste Oil	12. <input type="checkbox"/> Propane
13. <input type="checkbox"/> Chemical*		14. <input type="checkbox"/> Kerosene	15. <input type="checkbox"/> Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Closed, Give Date (month/day/yr): **NOVEMBER 4, 1991** Has a site assessment been completed? (see reverse side for details) Yes No

If installation of a new tank is being reported, indicate who performed the installation inspection:

1. Fire Department 2. DILHR 3. Other (identify)

Name of Owner or Operator (please print): **Jackie Powell** Technical Dept. Indicate Whether: Owner or Operator

Signature of Owner or Operator: **Glenn J. Willems (ROBERT E. LEE & ASSOCIATES)** Date Signed: **NOVEMBER 19, 1991**



Robert E. Lee & Associates
Engineering, Surveying, Laboratory Services

Wisconsin Certification No: 405043870

2825 S. Webster Ave.
P.O. Box 2100
Green Bay, WI 54306-2100
414/336-6338
FAX 414/336-9141

REPORT DATE====> 11/11/91

JOB NUMBER=====> 1005923

CUSTOMER=====> 100150

Internal Work-Jeff LaViolette

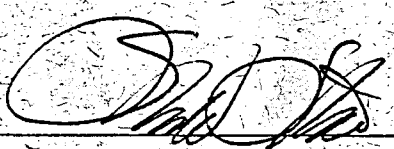
CONTACT=====> Jeff LaViolette

PROJECT=====> Felker, Ft.Howard

RECEIVED=====> 11/07/91

SAMPLED=====> 11/04/91

COMMENTS:

ATTEST: 

ROBERT E. LEE & ASSOCIATES
Wisconsin Certification No: 405043870

CUSTOMER=====> 100150 - Internal Work-Jeff LaViolette
REPORT DATE====> 11/11/91 PROJECT=====> Felker, Ft.Howard
JOB NUMBER=====> 1005923 LOCATION=====> Fort Howard
BATCH=====> 1 SAMPLED=====> 11/04/91

Sample #	Sample Id	Result	Analyzed	By
GASOLINE RANGE ORGANICS				
1	I-1	17	11/07/91	JF
2	P-2	4.0	11/07/91	JF
TOTAL SOLIDS				
1	I-1	77.9	11/07/91	DT
2	P-2	80.9	11/07/91	DT



Robert E. Lee & Associates

Engineering, Surveying, Laboratory Services

2825 S. Webster Ave. • Box 2100 • Green Bay, WI 54306-2100
Office 414.336.6338 • FAX 414.336.9141

MAIL RESULTS TO:	NAME: J.E.L.
	ADDRESS:
	CITY:

Special Handling Request

Rush Analysis Date Required: 11/8/91

Normal Turn Around

Chain of Custody Record

Client Number: 1005923 d.l.		Client Name: FELKER - FORT HOWARD			Preservation H = Hydrochloric Acid N = Nitric Acid S = Sulfuric Acid O = Sodium Hydroxide NA = None	Analysis Required	Comments
Project Number: 1387015		Sampled By: GLENN WILLEMS					
Project Name:							
Sample I.D.	Date	Time	Bottle Total	Sample Type			
I1 (ISLAND)	11/4	3:30	1	SOIL	N/A	GRO, 11/4	CLAY SOIL
P2 (PIPING RUN)	11/4	3:15	1	SOIL	N/A	GRO, 11/4	CLAY SOIL
							SUBMIT RESULTS TO JEFF LAVIOLETTE

Relinquished By	Date	Time	Received By	Date	Time
1) Glenn J. Willemo	11/4/91	5:10			
2)					
3)					
4)					

Temperature of Contents: 30 °C

Condition of Seals: _____

Condition of Contents: _____

Received in Laboratory By: D. Willner 145 10/7/91

Please complete shaded areas and return top two copies with samples.



Robert E. Lee & Associates
Engineering, Surveying, Laboratory Services

Wisconsin Certification No: 405043870

2825 S. Webster Ave.
P.O. Box 2100
Green Bay, WI 54306-2100
414/336-6338
FAX 414/336-9141

REPORT DATE====> 11/19/91

JOB NUMBER=====> 1005940

CUSTOMER=====> 100150

Internal Work-Jeff LaViolette

CONTACT=====> Jeff LaViolette

PROJECT=====> Fort Howard

RECEIVED=====> 11/08/91

SAMPLED=====> 11/04/91

COMMENTS:

ATTEST:

ROBERT E. LEE & ASSOCIATES
Wisconsin Certification No: 405043870

CUSTOMER====> 100150 - Internal Work-Jeff LaViolette
REPORT DATE====> 11/19/91 PROJECT====> Fort Howard
JOB NUMBER====> 1005940- LOCATION====> Fort Howard
BATCH====> 1 SAMPLD====> 11/04/91

Sample #	Sample Id	Result	Analyzed	By
----------	-----------	--------	----------	----

DIESEL RANGE ORGANICS

1 ... S1	4.0	mg/kg	... 11/13/91	... SH
2 ... S2	<0.5	mg/kg	... 11/13/91	... SH

EXTRACTION DATE - DIESEL

1 ... S1	Extracted	On	... 11/11/91	... TO
2 ... S2	Extracted	On	... 11/11/91	... TO

TOTAL SOLIDS

1 ... S1	81.8	%	... 11/12/91	... DT
2 ... S2	83.6	%	... 11/12/91	... DT

- ROBERT E. LEE & ASSOCIATES
Wisconsin Certification No: 405043870

CUSTOMER=====> 100150 - Internal Work-Jeff LaViolette
REPORT DATE====> 11/19/91 PROJECT=====> Fort Howard
JOB NUMBER=====> 1005940 LOCATION=====> Fort Howard
BATCH=====> 2 SAMPLED=====> 11/04/91

Sample #	Sample Id	Result	Analyzed	By
----------	-----------	--------	----------	----

GASOLINE RANGE ORGANICS

1 ... S3	<0.5 (6)	mg/kg	... 11/14/91	... TR
2 ... S4	<0.5 (6)	mg/kg	... 11/14/91	... TR

TOTAL SOLIDS

1 ... S3	81.9	%	... 11/12/91	... DT
2 ... S4	84.6	%	... 11/12/91	... DT

ROBERT E. LEE & ASSOCIATES
Wisconsin Certification No: 405043870

CUSTOMER=====> 100150 - Internal Work-Jeff LaViolette
REPORT DATE====> 11/19/91 PROJECT=====> Fort Howard
JOB NUMBER=====> 1005940 LOCATION=====> Fort Howard
BATCH=====> 3 SAMPLED=====> 11/04/91

<u>Sample #</u>	<u>Sample Id</u>	<u>Result</u>	<u>Analyzed</u>	<u>By</u>
DIESEL RANGE ORGANICS				
1 ...	P1	4.1 mg/kg	... 11/13/91	... SH
EXTRACTION DATE - DIESEL				
1 ...	P1	Extracted On	... 11/13/91	... SH
GASOLINE RANGE ORGANICS				
1 ...	P1	0.5 mg/kg	... 11/14/91	... TR
TOTAL SOLIDS				
1 ...	P1	76.2 %	... 11/12/91	... DT

Figures in parentheses after the analytical results indicate that a violation of quality control has occurred in our laboratory. Please see the key below to determine what violation has occurred.

1. The result reported was included in an analytical batch in which the duplicate analysis failed the acceptable quality control limits.
2. The result reported was included in an analytical batch in which the spike analysis failed the acceptable quality control limits.
3. The result reported was included in an analytical batch in which the check standard failed the acceptable quality control limits.
4. The reported duplicate value for this sample failed the acceptable quality control limits for duplicate analysis.
5. The reported spike recovery for this sample failed the acceptable quality control limits for spike analysis.
6. The result reported was influenced by a sample interference in the analytical method.
7. Sample analyzed after holding time had expired.
8. The 5-day BOD result is reported as an "estimate" since the dilution was inadequate.



Robert E. Lee & Associates

Engineering, Surveying, Laboratory Services

2825 S. Webster Ave. • Box 2100 • Green Bay, WI 54306-2100
Office 414.336.6338 • FAX 414.336.9141

MAIL RESULTS TO:	NAME <i>J.G.L.</i>
	ADDRESS
	CITY

Special Handling Request

Rush Analysis
Date Required: _____

Normal Turn Around

Chain of Custody Record

Client Number: <i>S 10059410 TG</i>		Client Name: <i>FORT HOWARD</i>			Preservation H = Hydrochloric Acid N = Nitric Acid S = Sulfuric Acid O = Sodium Hydroxide NA = None	Analysis Required	Comments
Project Number:		Sampled By: <i>GLENN WILLEMS</i>					
Project Name:							
Sample I.D.	Date	Time	Bottle Total	Sample Type			
<i>S1 (S. END TANK #1)</i>	<i>11/4/91</i>	<i>2:00</i>	<i>1</i>	<i>SOIL</i>	<i>N/A</i>	<i>DRO</i>	<i>CLAY SOIL</i>
<i>S2 (N. END TANK #1)</i>	↓	<i>4:00</i>	↓	↓	↓	<i>DRO</i>	↓
<i>S3 (S. END TANK #2)</i>	↓	<i>2:30</i>	↓	↓	↓	<i>GRO</i>	↓
<i>S4 (N. END TANK #2)</i>	↓	<i>4:10</i>	↓	↓	↓	<i>GRO</i>	↓
<i>P1 (PIPING RUN)</i>	↓	<i>2:45</i>	↓	↓	↓	<i>GRO, DRO</i>	↓
							<i>SUBMIT RESULTS TO JEFF LA VIOLETTE</i>

	Relinquished By	Date	Time	Received By	Date	Time
1)	<i>Glenn Willemo</i>	<i>11/8/91</i>	<i>11:45</i>			
2)						
3)						
4)						

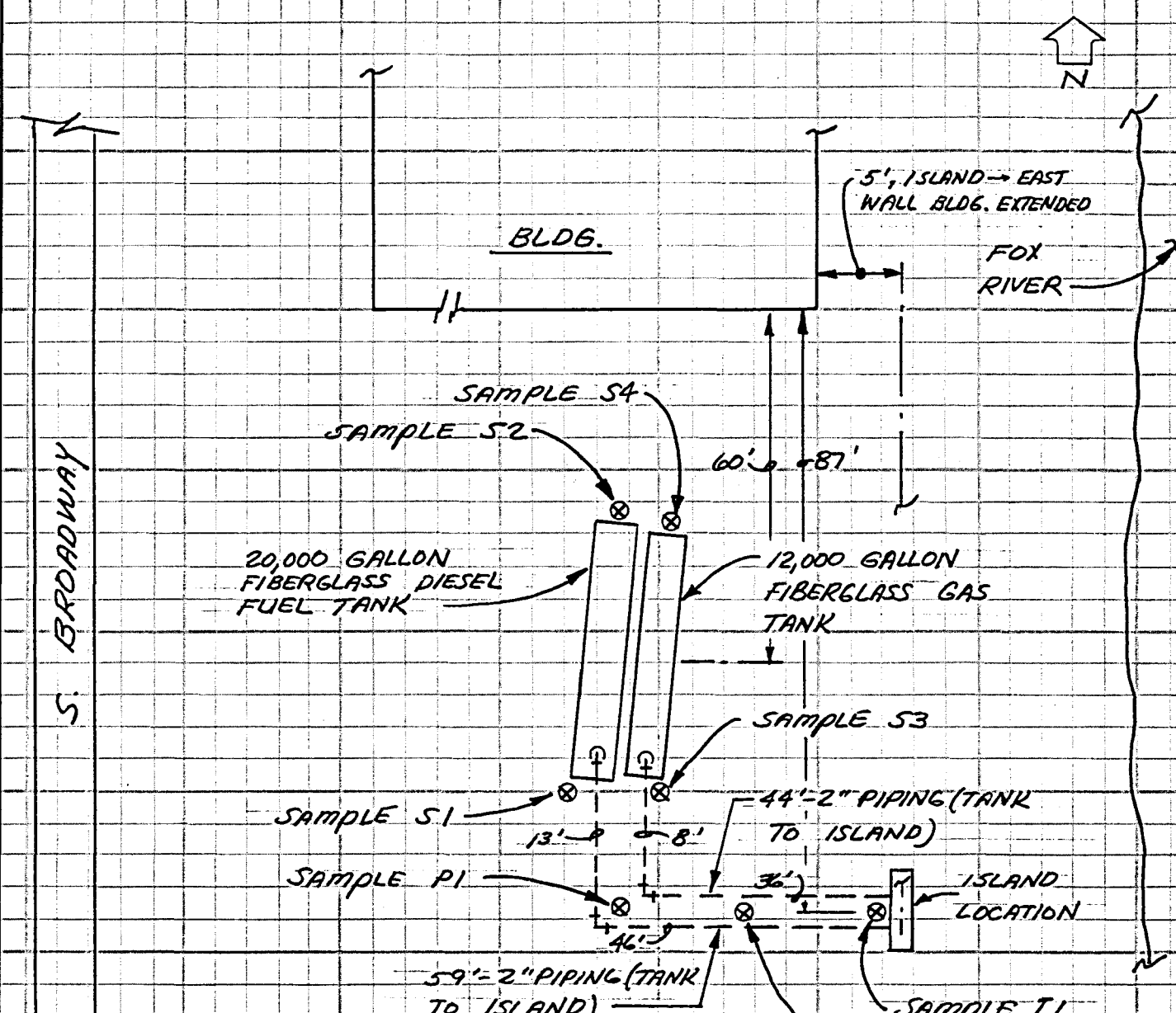
Temperature of Contents: *9* °C

Condition of Seals: _____

Condition of Contents: _____

Received in Laboratory By: *J. Brown* *11-8-91* *15:30*

Please complete shaded areas and return top two copies with samples.



NOTE!
 SAMPLES S1 - S4 TAKEN 15' BELOW
 GROUND SURFACE AT GROUNDWATER ELEV.
 SAMPLES P1, P2 & I1 TAKEN 3' BELOW
 PIPING TO ISLAND.

FORT HOWARD
SITE PLAN MAP
NOT TO SCALE

FORT HOWARD PAPER CORPORATION
1919 S. BROADWAY
GREEN BAY, WI 54304
PHOTOGRAPHS TAKEN 11/4/91.









Ft. James Op. Co.
1919 S. Broadway

This map has been printed by permission of the Brown County Planning Commission.
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N 44° 29' 43.4"
W 88° 01' 53.7"
P.O.C. = LORI WOZNIAK

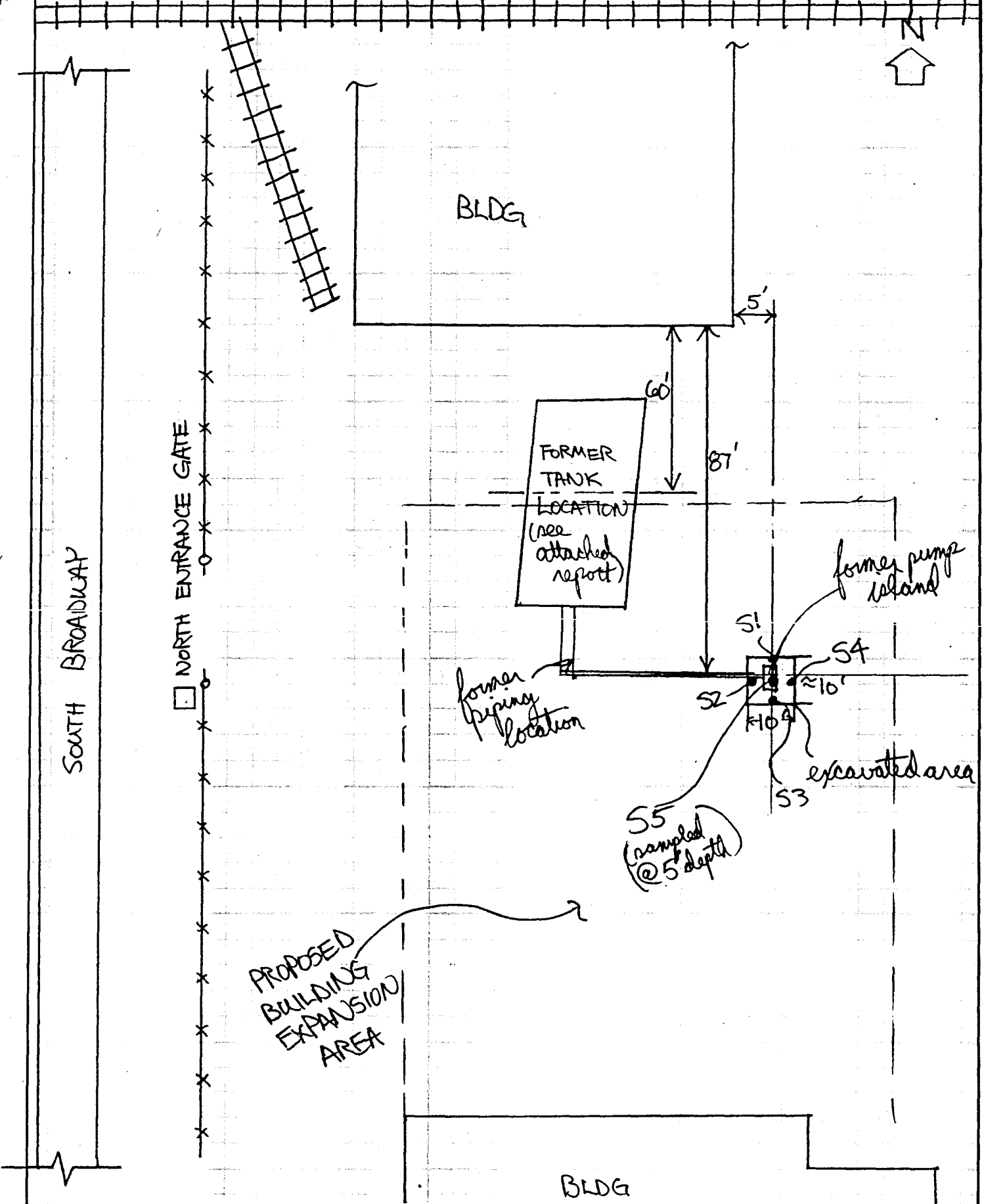


ROBERT E. LEE & ASSOCIATES, INC.

ENGINEERING • SURVEYING • LABORATORY SERVICES (414) 336-6336
Box 2100 2825 S. Webster Avenue Green Bay, WI 54306-2100

SUBJECT FORT HOWARD

JOB NO. DATE 12/9/91 BY SHEET



-SITE SKETCH-
NOT TO SCALE

#1051

Site Name: Fort Howard Paper Corporation District: LMD County: 05
 Address: 1919 S. Broadway
Green Bay
 PMN: _____ FID: _____
 Proj Mgr: A. Nass Legal Municipality: _____
 Support Person: _____ Legal Desc: _____ 1/4 _____ 1/4 Sec _____ T _____ R _____ E/W _____

Date of Initial Contact: 11/27/91 Date of Letter: 11/29/91 Date Site Closure Approved: _____/_____/_____

Status
 1 = State Lead
 2 = RP Lead
 Priority Screening
 1 = High
 2 = Medium
 3 = Low
 4 = Unknown
 Funding Source
 1 = RP
 2 = LTF
 3 = EF
 4 = SF
 5 = None
 6 = Other (Describe In Comments)
 7 = EPA (Emergency Resp)
 PECFA Review Requested
 Yes _____ No
 Date PECFA Request Received (mm/dd/yy) _____/_____/_____
 Lust Trust Eligible
 1 = Federal
 2 = Non-Federal

Score: _____

(v) As Appropriate	Date Initiated (mm/dd/yy)	DATE COMPLETED (mm/dd/yy)	Comments
<input checked="" type="checkbox"/> No Action Taken (N)			
<input type="checkbox"/> Emergency (E)	____/____/____	____/____/____	
<input type="checkbox"/> Emergency Response (R)	____/____/____	____/____/____	
<input checked="" type="checkbox"/> Field Investigation (I)	<u>11/4/91</u>	<u>11/4/91</u>	<u>Closure Assessment</u>
<input type="checkbox"/> Remedial Action (C)	____/____/____	____/____/____	
<input type="checkbox"/> Long Term Monitoring (L)	____/____/____	____/____/____	

(v) All Appropriate Known Impacts (v) Potential Impacts (v) Substances (v)
 Fire/Explosion Threat (1) _____
 Contaminated Private Well (2) _____
 Contaminated Public Well (3) _____
 Groundwater Contamination (4) _____
 Soil Contamination (5)
 Other: (6) _____
 Leaded Gas(1) _____
 Unleaded Gas (2) _____
 Diesel (3) _____
 Fuel Oil (4) _____
 Unknown Hydrocarbons (5) _____
 Other (8) _____
 Quantity Discharged _____
 _____ VOCS (6)
 _____ Pesticide (7)

Responsible party Ms. Jackie Powell
 Name: Fort Howard Paper Corporation Consultant: _____
 Address: 1919 S. Broadway Contact: _____
Green Bay, WI 54304 Address: _____
 Telephone: _____/_____ Telephone: _____/_____
 (list additional on separate list and attach.) Amount Committed: \$ _____
 Amount Spent: \$ _____
 (list additional on separate list and attach.)

ENFORCEMENT ACTION TAKEN

- 01 = Inf. Contact, Resp Initiated
- 02 = RP Letter, Resp Initiated
- 03 = NTC of Non Compliance
- 04 = Inf. Enf. Conf, Resp Initiated
- 05 = Follow-up Enf. Conf, Resp Initiated
- 06 = Inspection Letter
- 07 = Response Received
- 08 = Adequate Response
- 09 = Progress Being Made
- 10 = Defer Enforcement
- 11 = Close Out
- 12 = Recommend NFA
- 13 = FWD to Secondary Enf
- 14 = Notice of Violation
- 15 = Formal Enf Conf
- 16 = Enf Conf. Letter
- 17 = Admin. Order Proposed
- 18 = Admin. Order Final
- 19 = Admin. Order Modified
- 20 = Admin. Order Cancelled
- 21 = Contest Case Hearing
- 22 = Draft Referral
- 23 = Referral to DOJ
- 24 = Referral to DA
- 25 = Referral to EPA
- 26 = Continuing Violation
- 27 = See Next Violation
- 28 = Site Inspection

99 = Other Action: _____

ACTION (code from above)	DATE (mm/dd/yy)	COMMENT
<u>03</u>	<u>11/29/91</u>	<u>RP letter - RI workplan due 3/1/92</u>

LUST CASE PRIORITY SCREENING WORKSHEET

Emergency Factors

- Contaminated private or public well >NR140 ES
- Explosive or toxic vapors in structures
- Threat of fire

High factors

- Floating product including sheen
- GW contamination >NR140 ES
- Impacted surface water-wetland, trout stream, etc. impacted
- Saturated soil contamination posing a risk to groundwater

Medium factors

- Moderate (100-500 ppm TPH) soil contamination with moderate potential for impacting groundwater
- Impacted surface water-no critical habitat threats
- Groundwater contamination >NR140 PAL

Low factors

- Soil contamination (less than 100 ppm TPH) which appears to have a limited potential for impacting groundwater
- Initial remedial action has substantially reduced environmental threat

Unknown factors

- Inadequate information to assign a high, medium, or low ranking

OVERALL RANKING: The screening rank for the site along with the date of ranking.

Circle one, date and initial _____ HIGH _____ MEDIUM 11-27-91 **LOW** _____ UNKNOWN

SCORING IS ONLY FOR HIGH PRIORITY CASES SCORE _____

GW & SOILS (circle one)

- 20 Municipal Well
- 18 >6 private wells
- 16 4-6 private wells
- 14 2-3 private wells
- 12 1 private well
- 10 Soil & GW within 1200' of a public well >ES
- 8 Soil & GW within 1200' of one or more private wells >ES
- 6 GW contamination >ES
- 4 GW contamination <ES
- 2 Soil contamination

EXPLOSIVE OR TOXIC VAPORS (circle one)

Confirmed	Potential
20	10
12	8
	6

- Explosive levels in a residence or building
- Explosive levels in a sewer or structure
- Toxic levels in a residence or building

HYDROGEOLOGIC SETTING (circle one)

- 12 Permeable stratigraphy (gravel, sand, fractured bedrock) and gw w/in 25 feet
- 10 Permeable stratigraphy and gw greater than 25 feet below ground surface
- 8 Moderately permeable stratigraphy (silty sands, silty gravel, clayey sands) and gw w/in 25 feet of ground surface
- 6 Moderately permeable stratigraphy and gw greater than 25 feet of ground surface
- 4 Impermeable stratigraphy (silt, clayey silt, sand clays) and gw w/in 25 feet of ground surface
- 2 Impermeable stratigraphy and gw greater than 25 feet of ground surface

TYPE OF PRODUCT (circle one)

- 8 Gasoline, mixture of gasoline and other products, other light petroleum products
- 6 Diesel, fuel oil
- 2 Bunker oil, other heavy oils or crude fractions

+ 4 points for free product

Date Entered in tracking: _____/_____/_____

LMD LUST TRACKING UPDATE

Date: 2/27/92
 Initials: e.p.

PLEASE INDICATE IF IT IS A CHANGE OR ADDITION

Site Name: Fort Howard Corporation ^{Paper} Address: _____
 Unique ID: 05-1051

Project Mgr: A1 Nass Legal Municipality: _____
 Legal Desc.: 1/4 1/4 Sec T R E/W

Date of Initial Contact: / / Date of Letter: / / Date Site Closure Approved: / /

Priority Screening
 1 = High LUST Trust Eligible
 2 = Medium 1 = Federal
 3 = Low 2 = Non-federal
 4 = Unknown

SCORE: _____

CASE STATUS

Please indicate (C) Change or (A) Addition

C/A	STATUS	DATE INITIATED	DATE COMPLETED	COMMENTS
_____	No Action Taken(N)	____/____/____	____/____/____	_____
_____	RP Emergency Response(E)	____/____/____	____/____/____	_____
_____	LTF Emergency Response(R)	____/____/____	____/____/____	_____
<u>A</u>	Field Investigation(I)	<u>12/09/91</u>	<u>12/09/91</u>	<u>Soil Sampling</u>
_____	Additional Field Inv.(I)	____/____/____	____/____/____	<u>("Remedial Investigation Report" 2/13/92)</u>
_____	Remedial Action(C)	____/____/____	____/____/____	_____
_____	Long Term Monitoring(L)	____/____/____	____/____/____	_____

Please indicate Addition or Deletion A/D.	Known Impacts	Potential Impacts	Substance
_____	_____	_____	_____Leaded Gas(1)
_____	_____	_____	_____Unleaded Gas(2)
_____	_____	_____	_____Diesel(3)
_____	_____	_____	_____Fuel Oil(4)
_____	_____	_____	_____Unk Hydcbns(5)
_____	_____	_____	_____VOCs(6)
_____	_____	_____	_____Other(8)

Example: GW was potential now known impact. Mark known with an A and put D in potential GW. If substance was fuel oil and diesel was also found put A on line next to diesel.

Please indicate (C) Change or (A) Addition

<p>Responsible Party C/A</p> <p>Name: _____</p> <p>Address: _____</p> <p>Telephone: () - _____</p>	<p>Consultant C/A</p> <p>Name: <u>Robert E. Lea & Associates</u></p> <p>Contact: <u>Jeffrey LaViolette</u></p> <p>Address: <u>2825 S. Webster Avenue</u> <u>P.O. Box 2100 Greens Bay, WI</u></p> <p>Telephone: <u>414 836-6338</u> <u>54306-2100</u></p>
--	--

ENFORCEMENT ACTION TAKEN

Action	Date	Comment
Workplan Received	___/___/___	_____
Workplan Approved	___/___/___	_____
___	___/___/___	_____
___	___/___/___	_____

COMMENTS: "Sample 55 contained 20,0 ppm GRO and no detect of PVOC. 55 resembled gasoline rather than diesel. GRO reading must be due to VOC outside the list of PVOCs required by DNR".
Stackpiled soil was analyzed for GRO & had no detect. Found to be non hazardous. Review for Closeout.

LUST CASE PRIORITY SCREENING WORKSHEET

Emergency Factors

- Contaminated private or public well >NR140 ES
- Explosive or toxic vapors in structures
- Threat of fire

High factors

- Floating product including sheen
- GW contamination >NR140 ES
- Impacted surface water-wetland, trout stream, etc. Impacted
- Saturated soil contamination posing a risk to groundwater

Medium factors

- Moderate (100-500 ppm TPH) soil contamination with moderate potential for impacting groundwater
- Impacted surface water-no critical habitat threats
- Groundwater contamination >NR140 PAL

Low factors

- Soil contamination (less than 100 ppm TPH) which appears to have a limited potential for impacting groundwater
- Initial remedial action has substantially reduced environmental threat

Unknown factors

- Inadequate information to assign a high, medium, or low ranking

OVERALL RANKING: The screening rank for the site along with the date of ranking.

Circle one, date and initial HIGH MEDIUM LOW UNKNOWN

SCORING IS ONLY FOR HIGH PRIORITY CASES SCORE

GW & SOILS (circle one)

EXPLOSIVE OR TOXIC VAPORS (circle one)

	Confirmed	Potential	
10 Municipal Well	20	10	Explosive levels in a residence or building
18 >6 private wells		8	Explosive levels in a sewer or structure
16 4-6 private wells	12	6	Toxic levels in a residence or building
14 2-3 private wells			
12 1 private well			
10 Soil & GW within 1200' of a public well >ES			
8 Soil & GW within 1200' of one or more private wells >ES			
6 GW contamination >ES			
4 GW contamination <ES			
2 Soil contamination			

HYDROGEOLOGIC SETTING (circle one)

- 2 Permeable stratigraphy (gravel, sand, fractured bedrock) and gw w/in 25 feet
- 0 Permeable stratigraphy and gw greater than 25 feet below ground surface
- 8 Moderately permeable stratigraphy (silty sands, silty gravel, clayey sands) and gw w/in 25 feet of ground surface
- 6 Moderately permeable stratigraphy and gw greater than 25 feet of ground surface
- 4 Impermeable stratigraphy (silt, clayey silt, sand clays) and gw w/in 25 feet of ground surface
- 2 Impermeable stratigraphy and gw greater than 25 feet of ground surface

TYPE OF PRODUCT (circle one)

- 3 Gasoline, mixture of gasoline and other products, other light petroleum products
- 3 Diesel, fuel oil
- 2 Bunker oil, other heavy oils or crude fractions

Date Entered in tracking: 2/28/92 rev.8/91 eds

LMD LUST TRACKING UPDATE

Date: 8/6/92
 Initials: C.P.

PLEASE INDICATE IF IT IS A CHANGE OR ADDITION

Site Name: Fort Howard Corporation Address: _____
 Unique ID: 05-0/051

Project Mgr: AI Nass Legal Municipality: _____
 Legal Desc.: ¼ ¼ Sec T R E/W

Date of Initial Contact: / / Date of Letter: / / Date Site Closure Approved: 6/17/92

Priority Screening
 1 = High
 2 = Medium
 3 = Low
 4 = Unknown

SCORE:

LUST Trust Eligible
 1 = Federal
 2 = Non-federal

CASE STATUS

Please indicate (C) Change or (A) Addition

C/A	STATUS	DATE INITIATED	DATE COMPLETED	COMMENTS
<u> </u>	No Action Taken(N)	<u> </u> / <u> </u> / <u> </u>	<u> </u> / <u> </u> / <u> </u>	
<u> </u>	RP Emergency Response(E)	<u> </u> / <u> </u> / <u> </u>	<u> </u> / <u> </u> / <u> </u>	
<u> </u>	LTF Emergency Response(R)	<u> </u> / <u> </u> / <u> </u>	<u> </u> / <u> </u> / <u> </u>	
<u> </u>	Field Investigation(I)	<u> </u> / <u> </u> / <u> </u>	<u> </u> / <u> </u> / <u> </u>	
<u> </u>	Additional Field Inv.(II)	<u> </u> / <u> </u> / <u> </u>	<u> </u> / <u> </u> / <u> </u>	
<u> </u>	Remedial Action(C)	<u> </u> / <u> </u> / <u> </u>	<u> </u> / <u> </u> / <u> </u>	
<u> </u>	Long Term Monitoring(L)	<u> </u> / <u> </u> / <u> </u>	<u> </u> / <u> </u> / <u> </u>	

Please indicate Addition or Deletion A/D.	Known Impacts	Potential Impacts	Substance
<u> </u>	<u> </u>	<u> </u>	<u> </u> Leaded Gas(1)
<u> </u>	<u> </u>	<u> </u>	<u> </u> Unleaded Gas(2)
<u> </u>	<u> </u>	<u> </u>	<u> </u> Diesel(3)
<u> </u>	<u> </u>	<u> </u>	<u> </u> Fuel Oil(4)
<u> </u>	<u> </u>	<u> </u>	<u> </u> Unk Hydcbns(5)
<u> </u>	<u> </u>	<u> </u>	<u> </u> VOCs(6)
<u> </u>	<u> </u>	<u> </u>	<u> </u> Other(8)

Example: GW was potential now known impact. Mark known with an A and put D in potential GW. If substance was fuel oil and diesel was also found put A on line next to diesel.

Please indicate (C) Change or (A) Addition

<p>Responsible Party C/A</p> <p>Name: _____ Address: _____ Telephone: (____) _____</p>	<p>Consultant C/A</p> <p>Name: _____ Contact: _____ Address: _____ Telephone: (____) _____</p>
--	---

ENFORCEMENT ACTION TAKEN

Action	Date	Comment
Workplan Received	___/___/___	_____
Workplan Approved	___/___/___	_____
<u>11</u>	<u>6/17/92</u>	<u>Closeout</u>
_____	___/___/___	_____

COMMENTS: _____

LUST CASE PRIORITY SCREENING WORKSHEET

Emergency Factors

- Contaminated private or public well >NR140 ES
- Explosive or toxic vapors in structures
- Threat of fire

High factors

- Floating product including sheen
- GW contamination >NR140 ES
- Impacted surface water-wetland, trout stream, etc. Impacted
- Saturated soil contamination posing a risk to groundwater

Medium factors

- Moderate (100-500 ppm TPH) soil contamination with moderate potential for impacting groundwater
- Impacted surface water-no critical habitat threats
- Groundwater contamination >NR140 PAL

Low factors

- Soil contamination (less than 100 ppm TPH) which appears to have a limited potential for impacting groundwater
- Initial remedial action has substantially reduced environmental threat

Unknown factors

- Inadequate information to assign a high, medium, or low ranking

OVERALL RANKING: The screening rank for the site along with the date of ranking.

Circle one, date and initial _____ **HIGH** _____ **MEDIUM** _____ **LOW** _____ **UNKNOWN**

SCORING IS ONLY FOR HIGH PRIORITY CASES SCORE _____

3W & SOILS (circle one) **EXPLOSIVE OR TOXIC VAPORS (circle one)**

	<u>Confirmed</u>	<u>Potential</u>	
20 Municipal Well	20	10	Explosive levels in a residence or building
18 >6 private wells		8	Explosive levels in a sewer or structure
16 4-6 private wells	12	6	Toxic levels in a residence or building
14 2-3 private wells			
12 1 private well			
10 Soil & GW within 1200' of a public well >ES			
8 Soil & GW within 1200' of one or more private wells >ES			
6 GW contamination >ES			
4 GW contamination <ES			
2 Soil contamination			

HYDROGEOLOGIC SETTING (circle one)

- 2 Permeable stratigraphy (gravel, sand, fractured bedrock) and gw w/in 25 feet
- 0 Permeable stratigraphy and gw greater than 25 feet below ground surface
- 3 Moderately permeable stratigraphy (silty sands, silty gravel, clayey sands) and gw w/in 25 feet of ground surface
- 3 Moderately permeable stratigraphy and gw greater than 25 feet of ground surface
- 1 Impermeable stratigraphy (silt, clayey silt, sand clays) and gw w/in 25 feet of ground surface
- 2 Impermeable stratigraphy and gw greater than 25 feet of ground surface

TYPE OF PRODUCT (circle one)

- 3 Gasoline, mixture of gasoline and other products, other light petroleum products
- 3 Diesel, fuel oil
- 1 Bunker oil, other heavy oils or crude fractions

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