

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Carroll D. Besadny Secretary

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

Charle F. Pribyl

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
To Case File # 05	5-0105/
From	
Of .	
(414) Phone (608) (715)	Received by
	Will Call Called to Again See You
Comment For Your Stockpile St. Information	howed ND. Jeff.
☐ Take Action ☐ Approve	a LandFill
Reply Direct Colc. Per Your Request Code Route to:	modrill Approval,
☐ Return ☐ File	

CASE SUMMARY AND CLOSEOUT

PROJECT MANAGER:A/_/	ass		
FIRM OR AGENCY: DNR			REMEDIAL ACTION COMPLETED CASE CLOSEOUT DATE: (2)
DATE: 3/5/92			ROUTE TO:
/			BARNUM / /
NAME OF SITE: Fort Howa 1919 5 Broadwa LOCATION: Green Bay, W	ard paper Cor	P'	STOLL K.C. J.
1919 5. Broadwa	Y	Parisol	URBEN_BOW_
LOCATION: Green Bay, WI	54303 COUNTY: C	7000	
TYPE OF DISCHARGE: LUST X		• •	
TIL OF DISCHARGE. LOST	DROTORO	9	
CONTAMINATION TYPE: B-TEX	Compounds	, - proc (Benzino, Toluene
Ethylbenzenes, XYI	enes MTBE t	Cimethy henze	DO NO
		1	emments
CONTRAMINATION DESCRIPTION, 6-11	. V C		*, * ; ! . !! . !! . !! . !! . !
CONTAMINATION PRESENT IN: Soil	s Groundwate	orOther	
DEGREE OF CONTAMINATION	•		
TOTAL TRANSPORTER OF THE PROPERTY OF THE PROPE	•	Charles St.	
SOIL:			
Extent Defined: YesX	No N/A	-	
Lab Analysis X	Id Analysis V FID	No Data	
Lab Alialysis The	id Analysis A	NO Data	
Methodology and/or Detection	Devices		
Number of Sample Points	/3		
Contaminant/Concentration	11/4/91	12/9/91	
Contaminant/Concentration	Preremediation	Post Remediation	Applicable Standard(s)
GRO	17 ppm	· · 20 ppm	10 ppm
DRO	4,4,1,000	_	10 ppm
proc		ND	
Description of the control of the co			*
Remedial Action Taken	I horast disper	assessment Sh	owed 100
Island area ree	ccavared . Soil +	bet was oren	- Dump
had no detect o.	(6RO, benzene .	Only one or	the six sail
- Samples indicat	ed a GRO leve	higher than.	Standard with
Concentration or excovation backfill	20,0 ppm, (3	oils consist of	dense red clay,
Remedial Action Completed:			- / /
This recommendation for case of	closure is based on all the av	vailable data as of this date	3/5/92 and submitted
by Charlene priby			•
(Name)	/Fi	or Agency)	

	GROUNDWATER:			•
.	Extent Defined: Yes	No	N/A	
	Lab Analysis	Field Analysis	No Data	·
	Methodology and/or detec	tion devices		·
	Groundwater Monitoring:	Number Permanent Wells Number Temporary Wells Number Water Supply We	None None	
	Number of Sample Round	is		
	Contaminant/Concentration	Preremediation	Post Remediation .	Applicable Standard(s)
	Remedial Action Taken _			
		rent standards? Yes tree is based on all the available	• •	and submitted by
	(Name)	of	(Firm or Agency)	•
CIDAN		1/4/91 (1) 20,000	gal, diesel tank	į (1) 12,000
<u>- 9</u>	al, gasaline tank	removed from North	side of facility	to allow For
in are.	expansion on f Sland was above ock pile, Stockpi dicate a GRO Leve dense red clay.	removed from North ocility, only I so standard 17,0 pp 12 Sampling result - 1 above standard Excavation area i	ND. One of Six which was 20.0pg	soil samples soil samples son, Area soils
COMM	ITTEE RECOMMENDAT	ION:		
Remed	ial Action Completed: Yes	№		•
	r Work Needed:		AND MALE OF THE STATE OF THE	
			······································	
	· ·			

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 are 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

Wisconsin Certification No: 405043870

CUSTOMER =====> 100150 - Internal Work-Jeff LaViolette

REPORT DATE==> JOB NUMBER===> BATCH=====>	1006410	WOFK-JEIT Lo PROJECT====> LOCATION===> SĂMPLED====>	Fort Howar	d -	
Sample # - Sample	Id	Result	ذ د	Analyzed	Ву
GASOLINE RANGE ORGAN	NICS				
1 S1 (N.		<0.5		12/17/91	
2 S2 (W. 3 S3 (Ŝ.		<0.5 <0.5		12/17/91 12/17/91	
4 S4 (E.		<0.5		12/17/91	
5 S5 (Fl	oor)	20	mg/kg	12/17/91	. JF
OTAL SOLIDS					
1 S1 (N. 2 S2 (W.		79.1 78.8		12/11/91 12/11/91	
2 S2 (W. 3 S3 (S.		77.3		12/11/91	
4 S4 (E.		78.0	A Company of the Comp	12/11/91	
5 S5 (F1	oor)	77.5	8	12/11/91	. SW
OLATILE ORGANICS S	OLIDS)				
1 s1 (N.		Attached	the contract of the contract o	12/10/91	
2 S2 (W.		Attached_		12/10/91	
3 S3 (S. 4 S4 (E.		Attachéd Attached		12/10/91 12/10/91	
5 S5 (F1	The state of the s	Attached		12/10/91	
					.,

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 ANALYZED BY

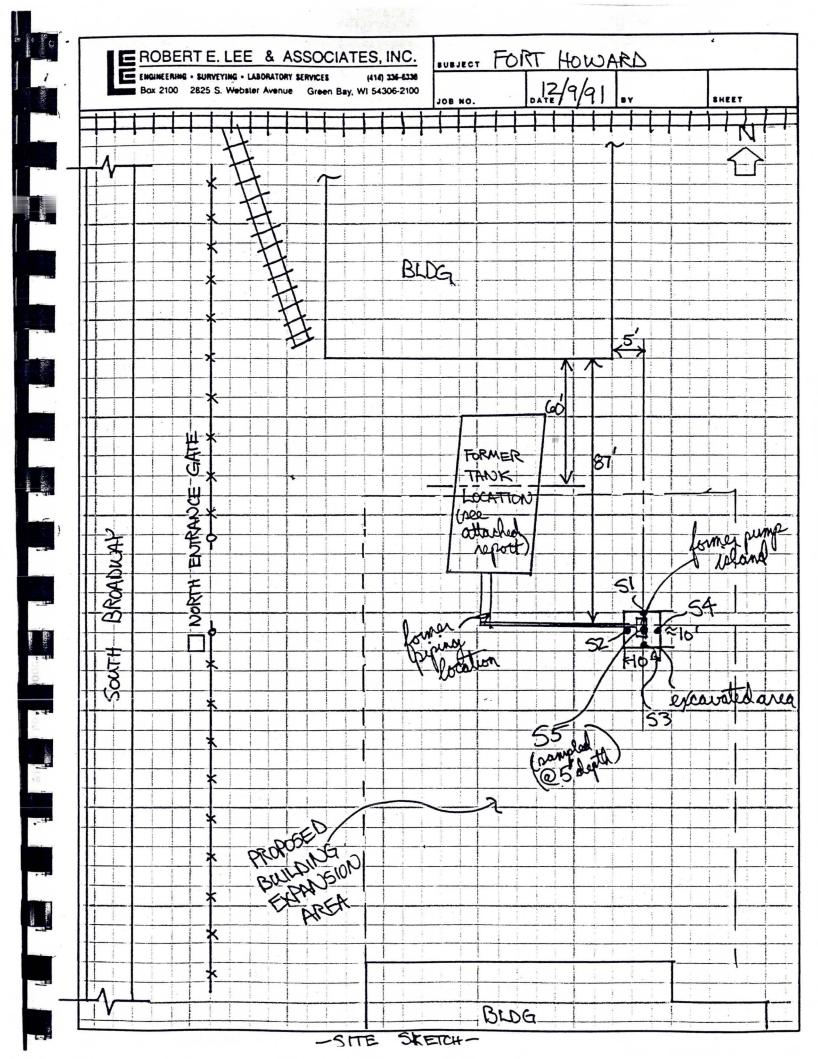
J.DURANCEAU ANALYTICAL METHOD 8020*

*			SAMPLE RESU	JLTS (MG/KG)
TEST	MDL	S1 (N.END)	\$2 (W.END) - 9	3 (S.END)	C1
PARAMETER (MG/KG)				
			-		
	X. 3.74			·	1.5
BENZENE	0.006	ND.	ND	ND	ND
TOLUENE	0.020	ND	ND .	ND	ND
ETHYLBENZENE	0.015	ND	ND	ND A	ND :
XYLENES	0.025	ND	ND /	ND .	ND .
MTBE	0.025	ND	ND -	ND	ND:
1,3,5-TRIMETHYLBENZENE	0.025	ND =	ND A	ND	ND
1,2,4-TRIMETHYLBENZENE	0.025	- ND	ND	ND	ND
				からし分	12
		国籍条约 实		10/23/	· · · · · · · · · · · · · · · · · · ·

MDL=METHOD DETECTION LIMIT WITH NO DILUTION D=DETECTED BUT BELOW MDL

TEST METHODS FOR EVALUATING SOLID WASTE, SW-848







State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Carroll D. Besadny Secretary

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,

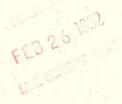
Charlene F. Pribyl, Environmental Specialist

Charlem F. Fribyl

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



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 1002

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

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.

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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 areawas 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

Michael D. Dovichi

Solid Waste Section Manager

JGL/MDD/sdb

Engineer .

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)

THEATHER CONDITION: OVERCAST, 35 DEGREES F

PAGE: 1 OF 1

DATE: 12/9/91

MPLE	FID PEAK	SAMPLE	SAMPLE		SOIL		SAMPLE
NUMBER	READING	MOISTURE	LOGATION	DEPTH	TYPE	ODOR	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'	GLAY	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'	GLAY	NONE	11:00 AM
S-5	0.6	MOIST	FLOOR OF EXCAVATION	5'	CLAY	NONE	11:00 AM
						Andrew Control of the	
and the state of t		managed the requirement				The state of the s	
e de la constante de la consta					The second secon	ACTION AND ADDRESS OF THE ACTION ADDRESS OF THE ACTION AND ADDRESS OF THE ACTION AND ADDRESS OF	
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and the state of t		The state of the s				TOTAL SERVICES	
		CONT. A. CON					

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

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 W	Work-Jeff La	Violette
REPORT DATE===>	01/06/92	PR	ROJECT===>	Fort Howard
JOB NUMBER===>	1006410	LC	CATION===>	Fort Howard
BATCH=====>	1	SA	AMPLED===>	12/09/91

Sample # Sample Id	Result	Analyzed	Ву
GASOLINE RANGE ORGANICS			
1 S1 (N. End) 2 S2 (W. End) 3 S3 (S. End) 4 S4 (E. End) 5 S5 (Floor)	<0.5 mg/kg <0.5 mg/kg <0.5 mg/kg	12/17/91 12/17/91 12/17/91 12/17/91 12/17/91	JF JF JF
TOTAL SOLIDS			
1 S1 (N. End) 2 S2 (W. End) 3 S3 (S. End) 4 S4 (E. End) 5 S5 (Floor)	79.1 78.8 77.3 78.0 77.5	12/11/91 12/11/91 12/11/91 12/11/91 12/11/91 12/11/91	SW SW
VOLATILE ORGANICS SOLIDS			
1 S1 (N. End) 2 S2 (W. End) 3 S3 (S. End) 4 S4 (E. End) 5 S5 (Floor)	Attached Attached Attached Attached Attached	12/10/91 12/10/91 12/10/91 12/10/91 12/10/91	TS TS 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	Ву
FLASHPOINT		1.3%		
1 C1	>150	'F	12/19/91	MP
FREE LIQUIDS				
1 C1	0	8	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 ci	79.2	8	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: 12/10/19
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*

			SAMPLE RE	SULTS (MG/K	G)
TEST PARAMETER	MDL (MG/KG)	S1 (N.END)	S2 (W.END)	S3 (S.END)	C1
BENZENÈ	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-848

ATTEST_ DANS TO

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)		SSULTS (MG/KG) 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	ND

MDL=METHOD DETECTION LIMIT WITH NO DILUTION
D=DETECTED BUT BELOW MDL

* TEST METHODS FOR EVALUATING SOLID WASTE, SW-846

ATTEST DAY DE



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

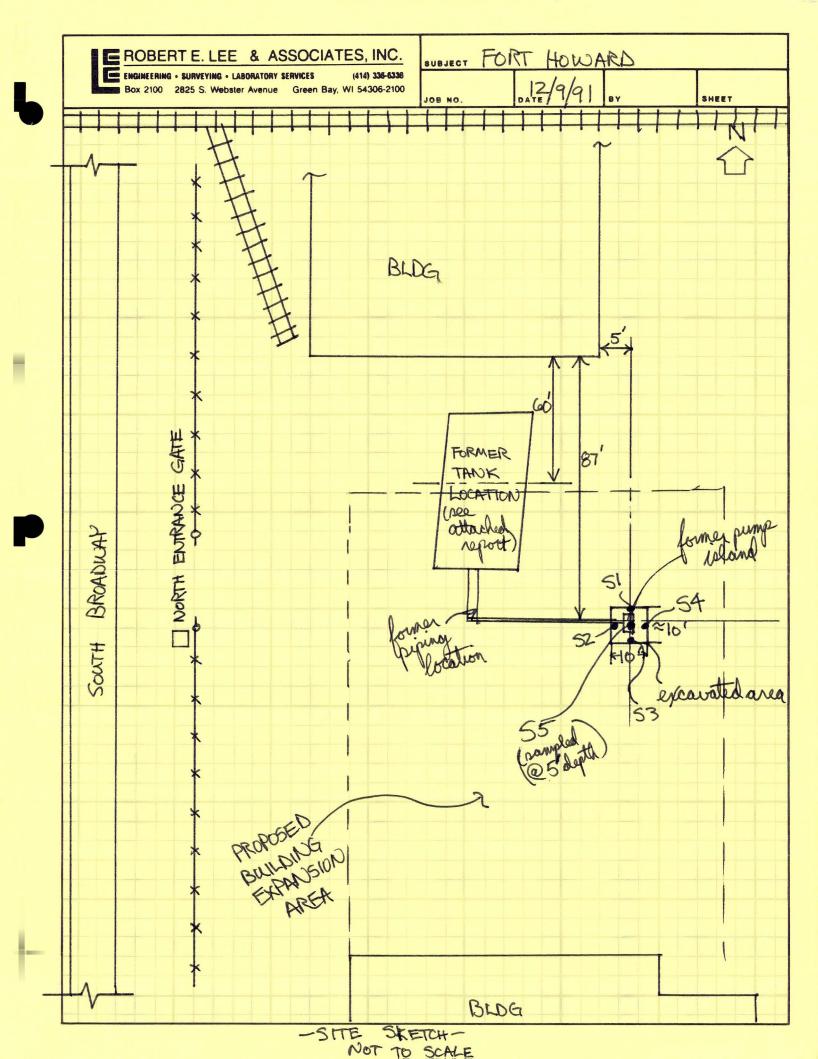
	NAME
RESULTS TO:	ADDRESS
	CITY

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			Spec	≀ai i Req	uest	ılır iy		
Auto Con	Ru	sh .		1. 1. 1. 1.				
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. /			Translati		roun	d		
	\$1.50	mine	utili et	gu sa uso	u sariji)	Sign of the second	Calan	XXX 4

Chain of Custody Record

Client Number: Client Name: Project Number: Sample: By: Project Name:	WARI	r Cholu	b		H = Hydrochloric Acid N = Nitric Acid S = Sulfuric Acid O = Sodium Hydroxide NA = None	R	nalysis equired	Comments
Sample I.D.	Date	Time	Bottle Total	Sample Type	U TZWOZ			
- 1. Shidhire 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12/19/21	11:00	<u> </u>	Poil	NA	GRO,	DVOC	clay
SZ (W. end)		1		_ `		h /		()
53 (5. end) 54 (E. end)						V		ч
						W		h
55 (floor)		$\sqrt{2}$		\/\	$\sqrt{2}$	W	Firms	
(contaminated roil)	V	V	V		V	GRO, Be	nigne, Fr	ree light Hay Waite
						/		
				_				
1) Relinguished By James 1) Linguished By James 1	<u>Date</u> 2/0/4/	Time 3:10	Programme Committee Commit	Received	By a supplied the second	Date	Time	Temperature of Contents: _2_°C
2) () ()	- V							Condition of Seals:
Beceived in Laboratory By: W/UU	12/10	191	8:10					Condition of Contonia.

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



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















ATTACHMENTS

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

Leffrey 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 Chromotagraph in accordance to procedures under the June, 1991 Lust Analytical Guidance.

(See attached Lab Results.)

DISPOSAL INFORMATION D.

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.

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

Contaminated soils not removed at this time.

SIGNATURE OF FIELD REPRESENTATIVE

Menn f. Willens

DATE: 160. 20, 1991

smsin Department of Industry, o and Human Relations	UNDERGROUND
	PETROLEUM PRODU
Office Use Only:	TANK INVENTOR

Send Completed Form To: Safety & Buildings Division

or Office Use Only:			LEUM PRODUCT	P.O Ma	l. Box 7969 dison, WI 53707
3.Ţ : D #					ephone (608) 267-5280
form is to be complet ave stored or currently sto in a sprogram. An under in aded piping) located by the agency designated in	re petroleum or re ground storage tai elow ground level	egulated substar nk is defined as a . A separate for	ices. Please see the i any tank with at leas	reverse side for add st 10 percent of its t	itional information otal volume
hi gistration applies to a tank t	that is (check one): 4. 😿 Closed - Ta		8. Changed Owners	Fire Department I	Providing Fire Coverage
Abandoned With Product	6. 🗆 Closed - Fil		(Indicate new ow	ner	
. Abandoned No Product (emory With Water	npty) Inert Mate 7. 🗍 Out of Sen	-	below)	CITY	OF GREEN BAY
. DENTIFICATION: (Please Print Tank Site Name) FORT HOWARD	CORPORATI		919 S. BR	PADWAY	Site Telephone No. (414) 435-882
GREEN Y] Town of:	State WISC.	Zip Coce / 54304	EROWN
2. Owner Name (mail sent here JACKIE PO	uniess indicated other	wise in #3 below)			ndicated otherwise in #3)
□ ity □ Vi	illage [] Town of:	State	Z:p Code	County
3. Alternate Mailing Name If Di	Herent Than #2	·	Alternate Mailing Stre	et Address If Different F	rom #2
ity D V	illage [] Town of:	State	Zip Code	County
	nown: or years old) 5	. Tank Capacity (ga /2,000	ollons) 6. Tank Manuf	acturer's Name (if knowing XES	n)
B. TYPE OF USER (check one) 1 Ges Station 5. M. Industrial 9. D. Agricultural	2. Bulk Stora 6. Governme 10. Other (spe	int	3. Duility 7. School		☐ Mercantile ☐ Residential
TANK CONSTRUCTION:	- 10. [] Other type				
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	✓ UL 3. ☐ Other		lestic composite 5.		bie Walled? X Yes No
Verfill Protection Provided?	☐Yes KNo If yes, in			Spill Contain	nment? XYes No
Tank leak detection method: 1. Intress testing 5. Inters	☐ Automatic tank ga titial monitoring 6. [uging 2. 🗎 Vap Not required at p	or monitoring 3. 🔲 0 resent 7. 🗎 Manua		4. Inventory control and tanks of 1,000 gallons or less)
D-PIPING CONSTRUCTION 1. Deare Steel 2. Cathod 4. Fiberglass 5. Other		cated or Wrapped S	iteel (A. 🔲 Sacrificial An	odes or B. 🗌 Impressed	Current) 3. Costed Steel 9. Unknown
Piling System Type: 1. 🔲 Pressu				strictor 2. Suction ;	piping with check valve at tank
Piping leak detection method: use		ck valve at tank: 1.		2. Minterstitial mo 6. Not Required	nitoring
roval: 1. Nat'l Std 2	2. ★UL 3. □Othe	er:	·	Double Walled:	XYes □No
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Unknown	10. 🗖 Premix		11. 🔲 Waste Oil	12.	Propane
13. ☐ Chemical * *mf # 13 is checked, indicate the	chemical name(s) or n	umber(s) of the che	14. Kerosene mical or waste.	15.	☐ Aviation
it Tank Closed, Give Date (molday NOVEMBER 4	1991		Has a site assessment	been completed? (see	reverse side for defails)
==stallation of a new tank is bei	ng reported, indicate v	vho performed the	installation inspection:		
1. Fire Department	2. DILHR		3. Other (ident	ify)	
Jackie Po	· · · · · · · · · · · · · · · · · · ·	haical Dr	, ,	ndicate Whether:	★ Operatór
Signature of Owner or Operator:			13	ste Signed:	
Henn J. Willem			t Associates /		
180-7437 (6/03-51) IM	PORTANT: Com	plete as many it	ems on this form as	possible. Failure to	provide sufficient

on and Human Relations	
C ∃ce Use Only:	

SED-7437 (R.

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

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

	_		AAENIOKI	1616	phone (608) 257-5280
his form is to be completed project or currently store program. An undergrounded piping) located belowing agency designated in the	petroleum or regula bund storage tank is w ground level. A s he top right corner.	sted substances. defined as any 1	. Please see the rev tank with at least 1	erse side for addit O percent of its to	ional information tal volume
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Abandoned With Product bandoned No Product (empty) With Water	6. ☐ Closed - Filled W Inert Material 7. ☐ Out of Service	ith	(Indicate new owner below)	CITY OF	GREEN BAY
IDENTIFICATION: (Please Print) - PA SITE Name ORT HOWARD	CORPORATION	Site Address	1919 S. BR	OADWAY	Site Telephone No. (414) 435-8821
7 Village		vn of: Sta	ite	Zip Coce	County
GREEN BRY			WISC. vner Mailing Address (m	54304 ail sent here unless inc	dicated otherwise in ≠3)
Jackie Pow July Dilleg	PE Tov	vn of: Sta	ate	Z:p Code	Соипту
3mernate Mailing Name If Differe	ent Than #2	Alt	ternate Mailing Street A	ddress If Different Fro	m #2
Uillag	e Direc	vn of: Sta	ate	Zip Code	County
		nk Capacity (gallons	s) 6. Tank Manufacti XERXE		
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3. Suction pigning leak detection method: used if proundwater monitoring poval: 1. Nat'IStd 2. Description: TANK CONTENTS 1. Casohol 9. Unknown 2. Chemical* 13 is checked, indicate the chemical	f pressurized or check va 4. Tightness tes (UL 3. Other: 2. Leaded 6. Other 10. Premix mical name(s) or numbe :	lve at tank: 1. Ving 5. Li	apor monitoring ine Leak Detector 3.	2. Sinterstitial monifo. Not Required Double Walled: 4. 8. 12. 15.	Toring XYes No Fuel Oil Sand-Gravel-Slurry Propane Aviation
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IMPORTANT: Com lete as man items on this form as possible. Failure to provide sufficient

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:

REPORT JOB NUI	ER====> DATE==> MBER===>	11/11/91 1005923	LO	OJECT====> CATION===>	LaViolette > Felker, Ft.H > Fort Howard > 11/04/91	oward	
Sample #	Sample	Id	Re	esult	An	alyzed	Ву
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TOTAL SOLII	D S						
	I-1 P-2		7 80	7.9 0.9	% 1 % 1	1/07/91 1/07/91	DT DT



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

	NAME TO C. C. C.
MAIL RESULTS TO:	ADDRESS
	CITY

Special	Handling.
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X Rush Analysis Date Require	d:
Normal Turn	Around

Chain of Custody Record

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PZ (PIPING RUN)	11/4	3:15	/_	SOIL	N/A	GRO, MILE	CLAY SOIL
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							TO JEFF LAVIOLETTE
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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:

CUSTOMER=====> 100150 - Internal REPORT DATE==> 11/19/91 JOB NUMBER===> 1005940- BATCH======> 1-	PROJECT====: LOCATION===: SAMPLED=====:	<pre>> Fort H > Fort H</pre>	oward oward	
Sample # Sample Id	Result		Analyzed	Ву
DIESEL RANGE ORGANICS				
1 S1 2 S2	4.0 <0.5		11/13/91 . 11/13/91 .	
EXTRACTION DATE - DIESEL				
1 S1 2 S2			11/11/91 .	
*OTAL SOLIDS				
1 S1 2 S2	81.8 83.6	36	11/12/91 . 11/12/91 .	

REPORT DATE===> 11/19/91	PROJECT====> Fort Howard LOCATION===> Fort Howard SAMPLED====> 11/04/91	
Sample # Sample Id	Result Analyzed B	3y
GASOLINE RANGE ORGANICS		
1 S3 2 S4	<0.5 (6) mg/kg 11/14/91 T <0.5 (6) mg/kg 11/14/91 T	'R 'R

OTAL SOLIDS

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

JOB NUMBER====> 1005940	work-Jeil La PROJECT===> LOCATION===> SAMPLED===>	Fort Howar		
Sample # Sample Id	Result		Analyzed	Ву
JIESEL RANGE ORGANICS				
1 P1	4.1	mg/kg	11-/13/91	SH
EXTRACTION DATE - DIESEL				
1 P1	Extracted	On	11/13/91	SH
Uasoline range organics				
OTAL SOLIDS	0.5	mg/kg	11/14/91	TR-
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.



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

	JG.L.
MAIL RESULTS TO:	ADDRESS
	CITY

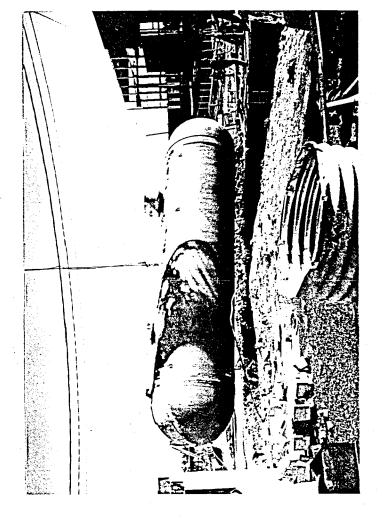
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Chain of Custody Record

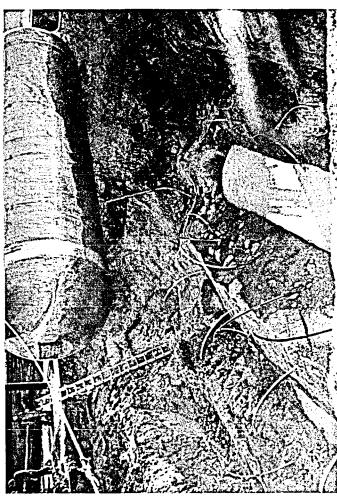
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S3 (S. END TANK #2)		2:30			<u> </u>		6R0			
S4 (N. END TANK#Z)		4:10					GRO			
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Please complète shaded aréas and return top two copies with samples was

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. Besadny Secretary 1125 N. Military Avenue
P.O. Box 10448
Green Bay, WI 54307-0448
TELEFAX 414-492-5913

CERTIFIED MAIL/RETURN RECEIPT REQUESTED

November 29, 1991

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



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 <u>LOW PRIORITY</u> 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:

- Immediately notify your WDNR project manager, should emergency conditions involving explosive vapors and/or well contamination develop.
- 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 runon, 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. <u>Investigation and cleanup should not, however, be delayed pending WDNR review</u>. 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

Janis M. DeBrock

Enc: Consultant List

Remedial Investigation Checklist

PECFA Fund Overview

Petroleum Environmental Cleanup Fund

ce: 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

UNITED STATES (See Reverse) C. Priby1

Sent to

٤

Ms. Jackie Powell

Street & No.

1919 S. Broadway

P.O., State & ZIP Code

Green Bay, WI 54304

S Certified Fee

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

Postmark or Date

Re: Fort Howard Paper Corporation LUST #05-01051

\$

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.
- 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.

United States Postal Service

Official Business





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 that we can return this card to you. Attach this form to the front of the mailpiece, or o back if space does not permit. Write "Return Receipt Requested" on the mailpiec the article number.	e next to 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	4a. Article Number P 860 471 140 4b. Service Type ☐ Registered ☐ Insured		
5. Signature (Addressee) 6. Signature (Agent)	Addressee's Address (Only if requested and fee is paid)		

S Form 30 11, October 1990 #U.S. GPO: 1990—273-861 DOMESTIC RETURN RECEIPT

November 20, 1991

NOV 2 T 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 J. La Violette 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

RECEIVED

OWNER REPRESENTATIVE: Jackie Powell

NOV 2 7 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
- 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 Chromotagraph in accordance to procedures under the June, 1991 Lust Analytical Guidance.

(See attached Lab Results.)

D. DISPOSAL INFORMATION

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.

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

Contaminated soils not removed at this time.

SIGNATURE OF FIELD REPRESENTATIVE

Menn f. Willens

DATE: 160. 20, 1991

isconsin Department of Industry, bor and Human Relations	
or Office Use Only:	
ank ID #	

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

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

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.

	nated in the top right					
1. 🔲 In Use or New	<i>y</i> .	d-Tank Removed	8. 🗌 Changed	•	Fire Department P Where Tank Locate	roviding Fire Coverage ed:
2. Abandoned With		d - Filled With	•	new owner		~ n
3. Abandoned No Pr		Material	below)		CITY O	OF GREEN BAY
or With Water	7. 🛮 Out o	of Service · ·			1 /	· · /
. IDENTIFICATION:	(Please Print)	ten est				
	VARD CORPOR		919 S.	BROA	POWAY Zip Code / 54304	Site Telephone No. (414) 435-882/
	Village EN BAY	☐ Town of:	State WISC	<u>د. ا'</u>	54304	EROWN
2. Owner Name (mail TACK 12	sent here unless indicated of PowEUL		Owner Mailin	g Address (m.	ail sent here unless in	ndicated otherwise in #3)
City	☐ Village	☐ Town of:	State		Zip Code	County
3. Alternate Mailing N	Name If Different Than #2		Alternate Mai	iling Street A	ddress If Different Fro	om #2
City	☐ Village	☐ Town of:	State	1	Zip Code	County
	talled, if known: or years old - 4 YERRS	d) 5. Tank Capacity (ga	illons) 6. Tan	k Manufactur	rer's Name (if known	
B. TYPE OF USER (che	ck one)/					
1. Gas Station	2. ☐ Bulk! 6. ☐ Gove		3. 🔲 Utility 7. 🔲 School] Mercantile] Residential
5. 🔀 Industrial 9. 🔲 Agricultural	10. Othe		/. [] Janua	ال 		1 venceura
C. TANK CONSTRUCT						
1. D Bare Steel		odically Protected and Co.	ated Steel (A. [ressed Current)
 Coated Steel Relined 	4. Fiber 7. Fi Steel	rglass I - Fiberglass Reinforced Pl	lactic Composite		her (specify): known	
Approval: 1. Nat'l				· · · · · · · · · · · · · · · · · · ·	ls Tank Doub	ole Walled? XYes No
Overfill Protection Pro		yes, identify type:			Spill Contain	
	nethod: 1. Automatic tar		or monitoring	3 13 Grou		4. Inventory control and
tightness testing 5.	Interstitial monitoring	6. ☐ Not required at p	resent 7. 🗆) Manual Tan	k Gauging (only for t	anks of 1,000 gallons or less)
D. PIPING CONSTRUCT 1. Bare Steel 2. 4. Fiberglass 5.	☐ Cathodically Protected a	and Coated or Wrapped S	teel (A. 🗆 Sacri	ificial Anodes	or B. 🗆 Impressed (Current) 3. Costed Steel 9. Unknown
Piping System Type: 1. 3.	Pressurized piping with Suction piping with che	eck valve at pump and insp	pectable		or 2. Suction pi	iping with check valve at tank
	ethod: used if pressurized o	or check valve at tank: 1.			2. Xinterstitial mon 6. ☐ Not Required	itoring
Approval: 1. □ Nat	11 Std 2 - 2 UL 3. 🗆	Other:			Double Walled:	XYes DNo
E. TANK CONTENTS						
1. 🔲 Diesel	2. 🔲 Lead		3. 🔀 Unie			Fuel Oil
5. Gasohol	6. 🗆 Othe		7. Emp	•		Sand/Gravel/Slurry
9. Unknown	10. 🔲 Preπ	ai x	11. 🗍 Wast			Propane
13. Chemical *	dicate the chemical name(s	an number(s) of the chei	14. 🔲 Kero mical or waste.	sene	13. 1	Aviation .
) Or Bumber(s) or the tile.	TICALOL WESTER	 ,		
If Tank Closed, Give Dat			Has a site ass	sessment bee		everse side for details)
NOVEMBE	R 4,1991	·			Yes 🗆 No	
If installation of a new t	tank is being reported, indic	cate who performed the i	installation inspe	ection:		
1. 🔲 Fire Departmen	nt 2. 🗆 DILH		3. 🗆 Oth			
Name of Owner or Ope				Incica	te Whether:	/
Jackie	towell.	Technical Dr.	p1.		Owner or	▼ Operatór
Signature of Owner or (•		_	.	Signed:	
Thenn S. W.	Glema (KOB)	ERT E. LEE I	t Associat	res //Vo	WEMBER .	19.1991

isconsin Department of Industry, bor and Human Relations	
r Office Use Only: nk ID #	

SED-7437 (R. 05/51)

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

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

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that ave stored or currently store petroleum or regulated substances. Please see the reverse side for additional information in 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 the agency designated in the top right corner.

the agency designa						
is registration applies to	a tank that is (check of	ne): sed-Tank Removed		Channad Ownserhie	Fire Department F	Providing Fire Coverage
☐ In Use or New	.д	sed - Filled With	_	Changed Ownership	1	tes:
Abandoned With Pro				(Indicate new owne		- Carrie Rain
☐ Abandoned No Prod		rt Material	•	below)	CITY OF	GREEN BAY
or With Water	. 7. 📋 Ou	t of Service				<u> </u>
IDENTIFICATION: (PIG. Tank Site Name	ease Print) W <i>RRD CORP</i>	ORATION Site A	ddress 19	119 S. BA	POADWAY	Site Telephone No. (414) 435-882
City GREEN	☐ Village	□ Town of:	State	115C.	Zip Code 54304	County
2. Owner Name (mail ser	it here unless indicates	otherwise in #3 below)				ndicated otherwise in #3)
	POWELL					
City	Village	☐ Town of:	State	·	Zip Code	County
3. Alternate Mailing Nam	ne If Different Than #2	2	Alter	nate Mailing Street	Address If Different Fr	rom #2
City	□ Village	☐ Town of:	State		Zip Code	County
10/1/87 -	4 YEARS	old) 5. Tank Capacity (1	gallons)	6. Tank Manufact XERXE	urer's Name (if knowr	
TYPE OF USER (check of 1. Gas Station	onej:/ 2. 🔲 Bul	k Storage	3.	☐ Utility	4. [Mercantile
5. Mindustrial		vernment		School School		Residential
9. D Agricultural		her (specify):				
TANK CONSTRUCTION	{:			·_ · · · · · · · · · · · · · · · · · ·		
1. Bare Steel		thodically Protected and (Coated St	eel (A. 🖂 Sacrificia	Anodes or B. M Ims	pressed Current)
3. Coated Steel	4. 🔀 Fib	erglass		5. 🔲 C	ther (specify):	
6. 🗍 Relined	7. 🗀 Ste	el - Fiberglass Reinforced	Plastic Co	omposite 9. 🔲 U	nknown	
Approval: 1. 🗌 Nat'l St	d. 2. 💢 UL 3. 🗀	Other:			Is Tank Doub	ble Walled? X Yes D No
Overfill Protection Provid	ed? DYes No	If yes, identify type:			Spill Contain	nment? XYes No
Tank leak detection meth tightness testing 5.	nod: 1. D Automatic i Interstitial monitoring	tank gauging 2. 🗌 Va g 6. 🗎 Not required at	por mon	itoring 3. 🗌 Gro 7. 🔲 Manual Ta		4. inventory control and tanks of 1,000 gallons or less)
. PIPING CONSTRUCTIO	N Cathodically Protecte				es or B. 🗆 impressed	Current) 3. Coated Steel 9. Unknown
		th: A 🔲 auto shutoff; B. heck valve at pump and ir			ctor 2. Suction p	piping with check valve at tank
	od: used if pressurize	d or check valve at tank:	1. UVap		2. Minterstitial mor	nitoring
pproval: 1. Nat'lS	1d 2.⊠UL 3.	Other:		-	Double Walled:	.⊠Yes □ No
. TANK CONTENTS						
1. S Diesel	2. 🗀 Le	hah	2	☐ Unleaded	Α .	☐ Fuel Oil
5. Gasohol	6. ☐ Ot		_	☐ Empty		Sand/Gravel/Slurry
9. Dunknown	10. 🗆 Pro	_		☐ Waste Oil		☐ Propane
3. D Chemical*				☐ Kerosene	_	☐ Aviation
If # 13 is checked, indica	ste the chemical name	(s) or number(s) of the ch	emical or	waste.	•	
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ignature of Owner or Opi	Prator:		•	1	e Signed:	
Man 111	1: Many and	POBERT E LEA	~ A. D.	1	LAURMEED I	19 1001

IMPORTANT: Complete as many items on this form as possible. Failure to provide sufficient



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:

CUSTOMER=====> 100150 - Internal REPORT DATE===> 11/11/91 JOB NUMBER===> 1005923 BATCH======> 1	Work-Jeff LaViolette PROJECT===> Felker, Ft.Howard LOCATION==> Fort Howard SAMPLED===> 11/04/91
Sample # Sample Id	Result Analyzed By
GASOLINE RANGE ÓRGANICS	
1 I-1 2 P-2 TOTAL SOLIDS	mg/kg 11/07/91 JF 4.0 mg/kg 11/07/91 JF
1 I-1 2 P-2	77.9 % 11/07/91 DT 80.9 % 11/07/91 DT



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

	NAME TO J. G. C.
MAIL RESULTS TO:	ADDRESS
	CITY

Special Handling
Special Handling Request
X Rush Analysis ///8/9/
Date Required:
그림에 하다면 하는 이 사람들이 많은 사람들에게 되는 사람들은 사람들은 생각을 가득했다.
Normal Turn Around

Chain	of	Custody	Record
C_{ℓ}		•	

Client Number:					Analysis Required	Comments	
Sample I.D.	Date	Time	Bottle Total	Sample Type	U TZSON 0 ==== A		
II (ISLAND)	11/4	3:30	1	SOIL	NA	GRO, THE	CLAY SOIL
PZ (PIPING RUN)	11/4	3:15	/_	SOIL	N/A	GRO, MILTO	CLAY SOIL
							SUBMIT RESULTS
							TO JEFF LAUJOLETTE
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Hellingulshed By	<u> </u>	Time' 1 : ح	## ***********************************	Received	Ву	<u>Date</u> <u>Time</u>	Temperature of Contents:^C
2)							Condition of Seals:
3)							Condition of Contents:
Received in Laboratory By:	llne	7 /4	15	10/7/	9/		

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:

REPORT DATE===> 11/19/91 JOB NUMBER====> 1005940- BATCH======> 1-	PROJECT====> Fort Howard LOCATION===> Fort Howard SAMPLED====> 11/04/91					
Sample # Sample Id	Result - Analyzed By					
DIESEL RANGE ORGANICS						
1 S1 2 S2	4.0 mg/kg 11/13/91 SH <0.5 mg/kg 11/13/91 SH					
EXTRACTION DATE - DIESEL						
1 S1 2 S2	Extracted On 11/11/91 TO Extracted On 11/11/91 TO					

TOTAL SOLIDS

					ニント・技術・ニー				
1	S1 -			· 81	. 8	8		11/12/91	- DT
	・コ アポスきんきかく	1.5	Or and the form						
2	S2 -			- 83	. 6	8		11/12/91	DT
:			and the second s	, ·	A		-		

CUSTOMER=====> 100150 - Interna REPORT DATE===> 11/19/91 JOB NUMBER===> 1005940 BATCH======> 2	l Work-Jeff LaViole PROJECT===> Fort LOCATION===> Fort SAMPLED===> 11/04	Howard Howard
Sample # Sample Id	Result	Analyzed By
ASOLINE RANGE ORGANICS		
1 S3 2 S4	<0.5 (6) mg/kg <0.5 (6) mg/kg	11/14/91 TR 11/14/91 TR

TOT	AL	ે ડ	O	LI	DS	•

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 •					- 1/ _{1.2}
1 S3		81.9	-	8	11/12/91	DT.
		84.6	·	o,		
2 S4		04.0		6	11/12/91	• • • DI

	l Work-Jeff L PROJECT===> LOCATION===> SAMPLED====>	Fort Howa	rd 🤃 🗀	
Sample # Sample Id	Result		Analyzed	Ву
DIESEL RANGE ORGANICS				
1 P1	4.1	mg/kg	. 11/13/91	. SH
EXTRACTION DATE - DIESEL				
	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	8	. 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

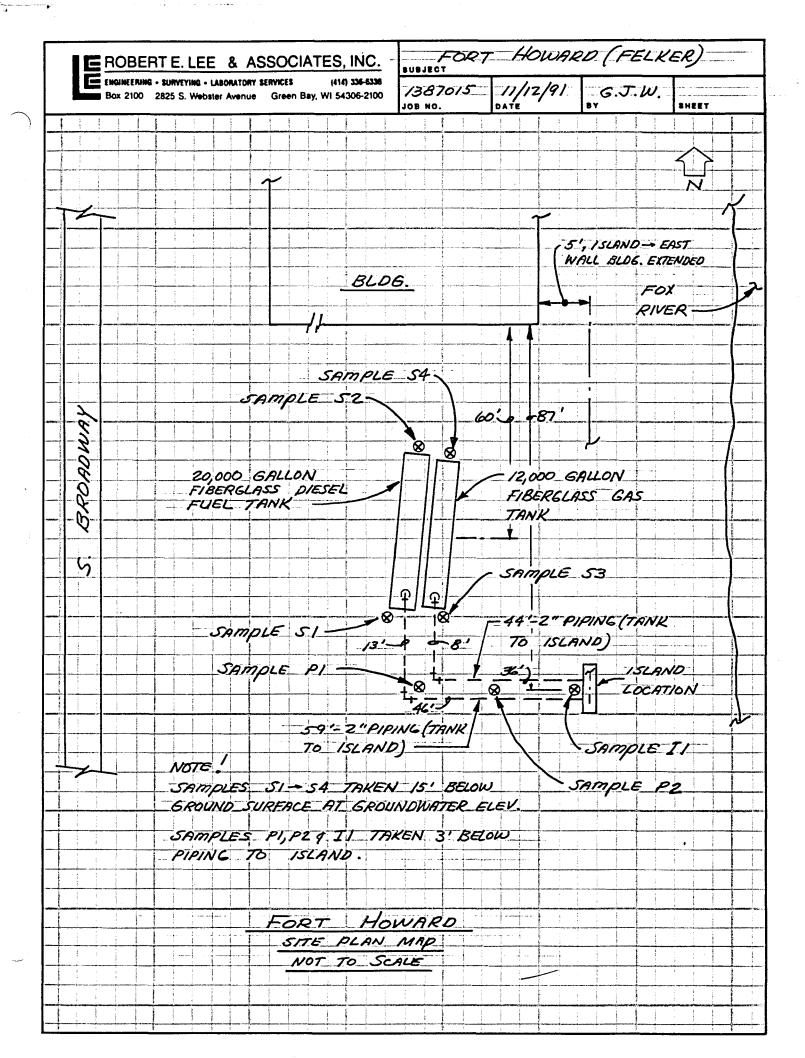
2825 S. Webster Ave. • Box 2100 • Green Bay, WI 54306-2100 Office 414.336.6338 • FAX 414.336.9141

	JG.L.
MAIL RESULTS TO:	ADDRESS
	СПУ

Special Handling Request Rush Analysis Date Required:					
Request Support Rush Analysis Date Required:		Chaola	الممطا	ina	1.0
Rush Analysis Date Required:		Shecia	rnanui	mig · · · ·	
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✓ Normal Turn Around	< Norn	nal Turn	Around		STATE OF THE

Chain of Custody Record

Client Number: 16 Project Number: Project Name: Samp	•	Howar WILLE Date	EMS	Bottle	Sample	Breservation A A A A A A A A A A A A A A A A A A A	N = Nitric Acid S = Sulfuric Acid O = Sodium Hydroxide NA = None	Analysis Required		Comments
l.D.				Total	Type	/				
51 (S. END 7	<i>,</i>	11/4/91		1	SOIL	N/A)	DRO	CLAY	5016
52 (N. END 7			4:00					DRO		
53 (S. END 7	ANK #Z)		2:30					6R0		
S4 (N. END	TRNX#2)		4:10	l				GRO		
PI (PIPING		1	2:45	_ 🖠	#			GRO, DRO	•	,
									SUBM TEFF	IT RESULTS TO LA VIOLETTE
1) Honn His 2) 3) 4) Received in Laboratory	llemo	Date			Received	1 By		Cc	mperature of andition of Sea	/ als:



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

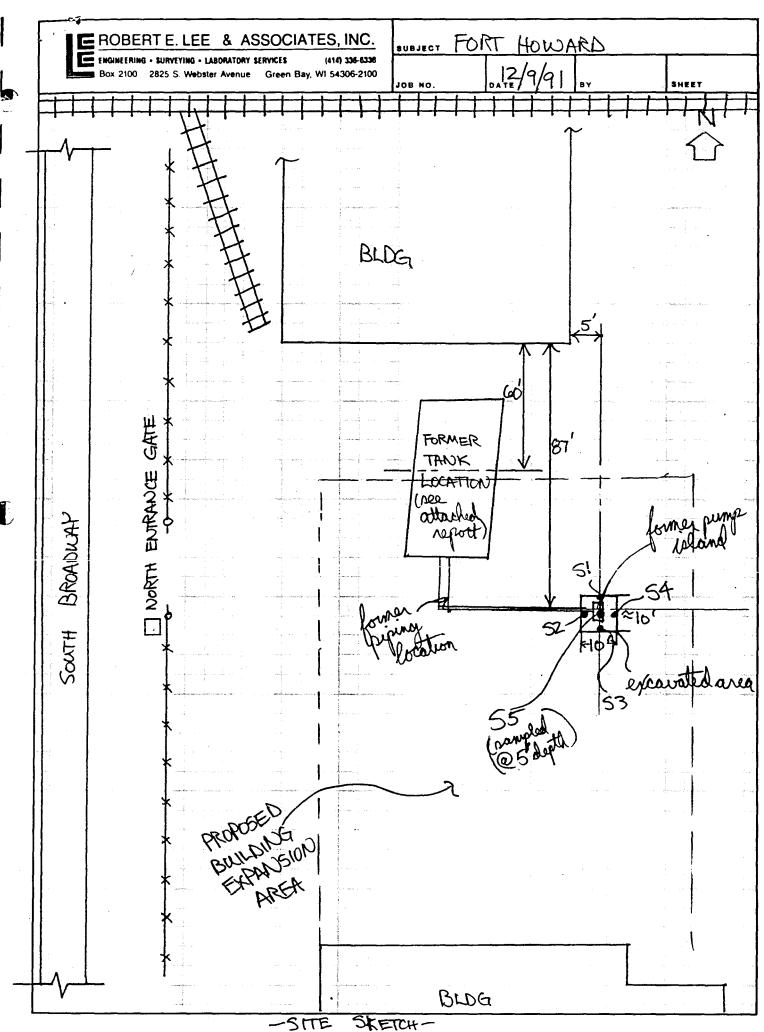








N 44° 29' 45.4" P.O.C. = LORI WOZNIAK



NAT TO SANG

Department of Natural Resources #1051 LEAKI Form 44	NG UNDERGROUND STORAGE TANK (Case Tracking) 400-146 3-91
Site Name: Fort Howard Paper Corporation	District: 2mD County: 05 Address: 1919 S. Broadway
PMN: FID:	Green Bay
Proj Mgr: A. Nass	_ Legal Municipality:
Support Person:	Legal Desc:1/41/4 Sec T R E/W
Date of Initial Contact: 1/127191 Date of Letter: 1/19	29 1 9 / Date Site Closure Approved:11
Status	PECFA Review Requested (\sqrt{)} Yes No Date PECFA Request Received (mm/dd/yy) // E In Comments) Lust Trust Eligible 2 = Non-Federal 2 = Non-Federal
Score: CASE	STATUS
	Date Completed Comments
Emergency Response (R) / / / / / / / / / / / / / / / / / / /	1 4 191 Closure assessment
(\(\frac{1}{2}\)) All Appropriate Known Impacts (\(\frac{1}{2}\)) Potential Impacts (\(\frac{1}{2}\)) Contaminated Private Well (2) Contaminated Public Well (3) Groundwater Contamination (4) Soil Contamination (5) Other: (6)	Substances (v)
Responsible party Ms. Jackie Powell	Consultant:
Name: Fort Howard Paper Corporation	Contact:
Address: 1919 S. Broadway	Address:
Green Bay, WI 54304	
	Telephone:/
Telephone: / (list additional on separate list and attach.)	Amount Committed: \$
	Amount Spent: S(list additional on separate list and attach.)
ENFORCEMEN	NT 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 Initated 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 99 = Other	15 = Formal Enf Conf 16 = Enf Conf. Letter 23 = Referral to DOJ 17 = Admin. Order Proposed 18 = Admin. Order Final 25 = Referral to DA 26 = Continuing Violation 27 = See Next Violation 28 = Site Inspection
ACTION	COMMENT
(code from above) (mm/dd/yy)	RP thr - RI workplan due 3/1/
03 11 29 1 91	11 ur - 12 workpean and Off

LUST CASE PRIORITY SCREENING WORKSHEET

Emergency Factors				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		15.1
Contaminated private or public valuesExplosive or toxic vapors in struThreat of fire						
High factors			•			
Floating product including sheer GW contamination >NR140 ES Impacted surface water-wetland Saturated soil contamination po	, trout stream, et				·	
Medium factors						•
Moderate (100-500 ppm TPH) s Impacted surface water-no critic Groundwater contamination >N	cal habitat threats		te potential for in	pacting groundv	ater/	
Low factors						
Soil contamination (less than 10Initial remedial action has substa	0 ppm TPH) whicl antially reduced e	h appears to h	ave a limited pote threat	ential for impactin	ig groundwater	
Unknown factors		n ee ja		•		
Inadequate information to assign	n a high, medium,	, or low ranki	ng			
OVERALL RANKING: The screening	rank for the site	along with th	ne date of ranking			
Circle one, date and initial	HIGH	MED	DIUM 11-27-	Low	UNKNOWN	1 -
SCORING IS ONLY FOR HIGH PRICE	RITY CASES	SCORE	· ·			
GW & SOILS (circle one) 20 Municipal Well 18 > 6 private wells 16 4-6 private wells 14 2-3 private wells	EXPLOSIVE Of Confirmed 20	R TOXIC VAP Potential 10 8 6	Explosive level	s in a residence s in a sewer or s a residence or b	structure	ē
12 1 private well 10 Soil & GW within 1200' of a p 8 Soil & GW within 1200' of one 6 GW contamination > ES 4 GW contamination < ES 2 Soil contamination		wells >ES				
HYDROGEOLOGIC SETTING (circle 12 Permeable stratigraphy (gravel, 10 Permeable stratigraphy and gw 8 Moderately permeable stratigrap 6 Moderately permeable stratigrap 4 Impermeable stratigraphy (silt, 2 Impermeable stratigraphy and generated)	sand, fractured law greater than 25 why (silty sands, siphy and gw great clayey silt, sand c	feet below gr Ity gravel, cla- er than 25 fe clays) and gw	ound surface yey sands) and gv et of ground surf w/in 25 feet of g	ace	ground surface	3
TYPE OF PRODUCT (circle one) 8 Gasoline, mixture of gasoline at 6 Diesel, fuel oil 2 Bunker oil, other heavy oils or		_ •	petroleum product	4 points f	or free	luz,

Date Entered in tracking:_

LMD LUST TRACKING UPDATE

Initials:	<u>c.p.</u>	PLEASE INDI	CATE IF IT IS A	CHANGE	OR ADDITI	ON .
Site Name: For Unique ID: 05-	+ Howard Co	sporation Addr	ess:			
Project Mgr:	Al Nass	Legal	Municipality: Desc.:¼	_14 Sec		_ E/W
Date of Initial Con	ntact://	Date of Lett	er://_	Date Sit	te Closure	Approved://_
Priority Screening1 = High2 = Medium3 = Low4 = Unknown		SCOF	: = = = = = = : :E:	====:	= = = = = = LUST Trust 1 = Fed 2 = Nor	
Please indicate (C) Change or (A) Add	CASE S	TATUS			
C/A ST	<u>TATUS</u>	DATE INITIATED	DATE COMP	PLETED	COMMENT	<u>S</u>
LTF Emerg	Taken(N) ency Response(E) gency Response(R) stigation(I) Field Inv.(I)	12 109 191	 	· CR	enedial	
Remedial						1010
Long Term	n Monitoring(L)	//	//			
Please indicate Ad	ddition or Deletion A	<u>/D.</u> Known Imp	acts Pote	ntial Impac	ts Sui	ostance
Fire/Explosion(Contaminated Contaminated Groundwater (Soil Contamina Other(6)	Private Well(2) Public Well(3) Contam.(4)		=			Leaded Gas(1) Unleaded Gas(2) Diesel(3) Fuel Oil(4) Unk Hydcbns(5) VOCs(6) Other(8)
was fuel oil and d	as potential now kno liesel was also found ========) Change or (A) Add	I put A on line next		and put D		
Responsible Party			Cons	sultant C	(A)	
		Nam	e: Probert			iates
A 1.1		Cont	act: Jeffr	-y Lal	liolett	e
Telephone:()		Add	ress: 2825	3. Wes	bster,	
		1616			====	57506-3100

<u>Action</u> Workplan Received	Date / /		Comment		
Workplan Approved					
OOMMENTO. " 6	. 56 Cont.	1 20 0 00	GRO and a	o detect of pro	ac.
S5 resembled g					
1/0 C outside -				g mas , De vac ,	
Stockpiled 50	il was analy	red for GRO	& had no de	rect, found to b	
nen hazardou.					
LU	JST CASE P	RIORITY SCR	EENING WORL	KSHEET	
Emergency Factors					
Contaminated private or publi Explosive or toxic vapors in s					
Threat of fire	tructures				
		e.			
High factors					
Floating product including she	een				
GW contamination >NR140	ES				
Impacted surface water-wetla					
Saturated soil contamination	posing a risk to groun	idwater			
Wedium factors					
Moderate (100-500 ppm TPH Impacted surface water-no cr		with moderate potentia	I for impacting groundwa	iter	
Groundwater contamination					
Low factors					
Soil contamination (less than	100 ppm TPH) which	appears to have a lim	ited potential for impact	ing groundwater	
Initial remedial action has sub					
Jnknown factors					
		4			
Inadequate information to ass	sign a high, medium,	or low ranking			
VERALL RANKING: The screen	ing rank for the site a	long with the date of i	ranking.		
Sircle one, date and initial	нісн	MEDIUM	Low	UNKNOWN	
Ancie one, date and ander			LOW		•
CORING IS ONLY FOR HIGH PE				ONNINOVIA	
		SCORE		UNKNOVVV	10.7%
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W & SOILS (circle one)	RIORITY CASES EXPLOSIVE OR Confir	TOXIC VAPORS (circle	one)	UNKNOWN	
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20 Municipal Well 8 >6 private wells 16 4-6 private wells	RIORITY CASES EXPLOSIVE OR Confir	TOXIC VAPORS (circle med Potential 10 8	Explosive levels Explosive levels	in a residence or building	
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20 Municipal Well 20 Private Wells 4-6 private Wells 4-6 private Wells 4-7 private Wells 20 private Wells 21 private Well 22 Soil & GW Within 1200' of a gray 33 Soil & GW Within 1200' of a gray 44 GW contamination SES 45 GW contamination TYDROGEOLOGIC SETTING (circle one) 5 Moderately permeable stratigraphy and gray 5 Moderately permeable stratigraphy (silt) 6 Impermeable stratigraphy (silt) 7 Impermeable stratigraphy (silt)	EXPLOSIVE OR Confir 20 12 a public well >ES one or more private well cle one) rel, sand, fractured be gw greater than 25 fe raphy (silty sands, silty raphy and gw greater t, clayey silt, sand cla d gw greater than 25 and other products, silty	TOXIC VAPORS (circle med Potential 10 8 6 6 circle set below ground surfact ty gravel, clayey sands to than 25 feet of ground surface to ground surface other light petroleum process.)	Explosive levels Explosive levels Toxic levels in feet ce) and gw w/in 25 feet of d surface et of ground surface	in a residence or building in a sewer or structure a residence or building	

ENFORCEMENT ACTION TAKEN

LMD LUST TRACKING UPDATE

Initials: C.P.	PLEASE INDICATE IF IT IS A CHANGE	OR ADDITION
Site Name: Fort Howard Corporari Jnique ID: 05-0/05/	Address:	
Project Mgr: Nass	Legal Municipality:	to the same of the
Date of Initial Contact:	Date of Letter: Date S	ite Closure Approved: 6 177 193
Priority Screening1 = High2 = Medium3 = Low4 = Unknown	SCORE:	LUST Trust Eligible1 = Federal2 = Non-federal
	CASE STATUS	no Adelando Palendo de La Carta de La Cart
Please Indicate (C) Change or (A) Addition		Market and the second continues of
C/A STATUS DATE	INITIATED DATE COMPLETED	COMMENTS
No Action Taken(N) RP Emergency Response(E) LTF Emergency Response(R) Field Investigation(I) Additional Field Inv.(I) Remedial Action(C)		
Long Term Monitoring(L)	<u></u>	
Please indicate Addition or Deletion A/D.	Known Impacts Potential Impa	요하는 이 없었다면 그는 어린 아이를 하면 하지만 하지 않고 하는데 하고 그는 그 그 그 그 수 없다.
Fire/Explosion(1) Contaminated Private Well(2) Contaminated Public Well(3) Groundwater Contam.(4) Soil Contamination(5) Other(6)		Leaded Gas(1) Unleaded Gas(2) Diesel(3) Fuel Oil(4) Unk Hydcbns(5) VOCs(6) Other(8)
Example: GW was potential now known in was fuel oil and diesel was also found put Please indicate (C) Change or (A) Addition	A on line next to diesel.	
Responsible Party C/A Name:	Consultant Name:	C/A
Address:	Contact:Address:	3-28 1-24 - 40 VI - 60 Killion III - 40 VI - 60 Killion III - 60 VI -
[elephone:() -	Telephone:() -	
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CONTRACTOR SERVICE

(B. 1984년 1일 전 1984년 1987년 1984년	INFORCEMENT ACTIO			
Action Date	COL	mment	teinistei	
Workplan Received// Workplan Approved//	make the second second second			-
Workplan Approved		Closeout		-
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COMMENTS:				
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LUST CASE P	RIORITY SCREE	NING WORKS	HEET	
Emergency Factors				
Contaminated private or public well >NR140 ES				
Explosive or toxic vapors in structures				
Threat of fire				
High factors				
rugn factors		*		
Floating product including sheen	the principal of the parties of the parties of		a de las las las les estes de las	
GW contamination >NR140 ES	ELLE SUTATE E	SAG	The second secon	
Impacted surface water-wetland, trout stream, etSaturated soil contamination posing a risk to grou	c. Impacted Indwater			N.S.
		many a many of white or		
Medium factors	E CHESLALES	PER PRINCIPLE		4
Moderate (100-500 ppm TPH) soil contamination	with moderate potential for	impacting groundwater	arrest of a meadows	
Impacted surface water-no critical habitat threats		Annual Carlos Carlos Asserting Control of the	AP Empresant Part of the Committee of th	
Groundwater contamination >NR140 PAL	- Action Control State Con-	A DE L	diversity and a property of the	
Low factors			Recot sprawar bish	
the property of the contract o	and the second second		to visit at the mea	
Soil contamination (less than 100 ppm TPH) which		potential for impacting of	groundwater	
Initial remedial action has substantially reduced en	nvironmental threat		Edgenson telbernsk	
Unknown factors			Library and Territoria	100
graving the half of the second control of the second control of the second control of the second control of the		加加加加加加加加加		123
Inadequate information to assign a high, medium,	or low-ranking	n overski - Jak	neitide? In the past strainm	
OVERALL RANKING: The screening rank for the site	along with the date of rank	ing.		
Interest to see all	-property			
Sircle one, date and initialHIGH	MEDIUM	tow	UNKNOWN	
SCORING IS ONLY FOR HIGH PRIORITY CASES	SCORE	de Maria	Company of the Samuel S	144
15580 tax-8	September 1	grade 40	t 200 and the control of the control	ALCONOMIC TO A STATE OF THE PARTY OF THE PAR
GW & SOILS (circle one) EXPLOSIVE OF	R TOXIC VAPORS (circle on Potential	el arayes	# Start Starten and Committee of the Starten	name of
20 Municipal Well 20		Explosive levels in a	a residence or building	100
18 >6 private wells 10 10 10 10 10 10 10 10 10 10 10 10 10	8	Explosive levels in	sewer or structure	
16 4-6 private wells	2	Toxic levels in a res	sidence or building	
14 2-3 private wells	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			
10 Soil & GW within 1200' of a public well >ES			and the name of the same of	
8 Soil & GW within 1200' of one or more private to	wells >ES			
6 GW contamination >ES 4 GW contamination <es< th=""><td></td><td></td><td>100 Person (100 Pe</td><td></td></es<>			100 Person (100 Pe	
2 Soil contamination				
IYDROGEOLOGIC SETTING (circle one) 2 Permeable stratigraphy (gravel, sand, fractured b	edrock) and my w/in 25 fee			
O Permeable stratigraphy and gw greater than 25 i	eet below ground surface			
3 Moderately permeable stratigraphy (silty sands, si			und surface	
3 Moderately permeable stratigraphy and gw greate 4 Impermeable stratigraphy (silt, clayey silt, sand cl				
2 Impermeable stratigraphy and gw greater than 25		. ground surface		· kn
YPE OF PRODUCT (circle one)	ather light materiass.			
3 Gasoline, mixture of gasoline and other products, 3 Diesel, fuel oil	other light petroleum produ	icus	The second second second second	
! Bunker oil, other heavy oils or crude fractions	Date Ent	tered in tracking:	8 1 92 rev.8/91 eds	

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