03-28-228585
Jeffery Property

Maass, Randall S - DNR

From: Greve, Rachel M - DNR
Sent: Thursday, January 06, 2011 2:47 PM
To: Maass, Randall S - DNR
Subject: FW: BRRTS Activity 03-28-228585
Attachments: 101115 Boring locations map.pdf; 4039771_fr GW analytical 101124.pdf; 4040689_fr potable well.pdf

Here it is!

Rachel Greve
Hydrogeologist
South Central Region
Bureau of Remediation and Redevelopment
Wisconsin Department of Natural Resources
(☎) phone: (608) 275-3220
(☎) fax: (608) 273-5610
(✉) e-mail: rachel.greve@wisconsin.gov

From: Paula Richardson [mailto:prichardson@saga-ee.com]
Sent: Wednesday, December 29, 2010 02:32 PM
To: Greve, Rachel M - DNR
Subject: BRRTS Activity 03-28-228585

Good Afternoon Rachel,

I spoke with you back in April regarding the Jeffery Property site in Sullivan (BRRTS Activity 03-28-228585). At that time, I was with RSV Engineering, Inc., who subsequently signed a PECFA agent contract with the Department of Commerce and Mr. Thomas Jeffery. Shortly thereafter RSV split into several entities, one of which was formerly the environmental section of RSV. This portion of the company was purchased by myself and two of my colleagues from RSV, and became Saga Environmental and Engineering, Inc. It took several months to complete the transaction, and Saga became an official company on October 1st, 2010. To simplify administration of the Jeffery project, it was put on hold until that time.

In November the site investigation was conducted at the property. Five soil borings (SB101 through SB105) were completed in the approximate locations shown on the attached map. Please note the very small scale on the map. Saga planned to install a boring within the former tank bed, but there is a large juniper tree in that area now. However, the area is adequately characterized as the borings were completed in close proximity to the former tank bed. Groundwater was encountered at about 5 feet in each boring. Unsaturated soils were screened with a PID, but there were no indications of impacts. Groundwater samples were collected from each location and submitted for PVOCs and lead. Groundwater samples were also collected from the onsite potable well and submitted for the same analyses. No parameters were detected above their respective PALs in any sample, and nothing was detected in the sample from the potable well.

Based on the data, Saga believes a low-risk determination and Commerce jurisdiction for the site are appropriate. Saga will summarize site investigation activities and results into a site investigation report and closure request. Please advise as to whether this document should be sent to your attention or to the Department of Commerce.

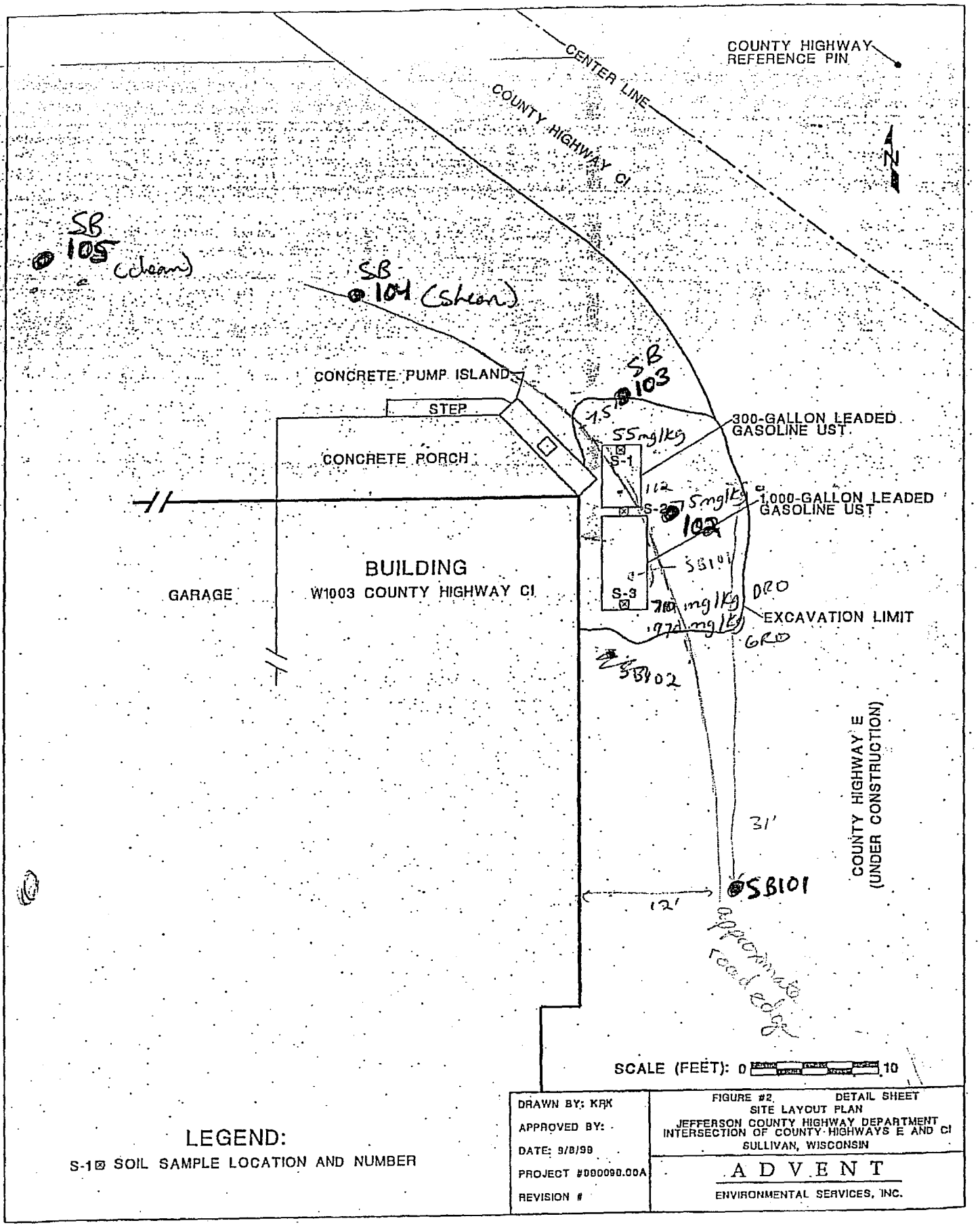
Please feel free to call me at 920-674-3411 with any questions you may have. I will be in the office the remainder

of the afternoon today, out tomorrow morning and in the field on Friday, but back in the office Monday through Wednesday next week.

Thank you,

Paula A. Richardson, P.G.
Vice President/ Hydrogeologist

146 E. Milwaukee Street
Jefferson, WI 53549
Ph. 920-674-3411
Cell 920-605-6073
Fax 920-674-3481
email: prichardson@saga-ee.com


COUNTY HIGHWAY REFERENCE PIN
CENTER LINE
COUNTY HIGHWAY CI
N
SB 105 (clean)
SB 104 (clean)
SB 103
CONCRETE PUMP ISLAND
STEP
CONCRETE PORCH
1.5'
55mg/kg
300-GALLON LEADED GASOLINE UST
S-1
S-2
5mg/kg
1000-GALLON LEADED GASOLINE UST
102
SB102
BUILDING
W1003 COUNTY HIGHWAY CI
GARAGE
S-3
DRO
EXCAVATION LIMIT
GRO
SB102
COUNTY HIGHWAY E (UNDER CONSTRUCTION)
31'
SB101
12'
approximate road edge
SCALE (FEET): 0 10
LEGEND:
S-1⊠ SOIL SAMPLE LOCATION AND NUMBER
DRAWN BY: KRK
APPROVED BY:
DATE: 9/8/99
PROJECT #000090.00A
REVISION #
FIGURE #2 DETAIL SHEET
SITE LAYOUT PLAN
JEFFERSON COUNTY HIGHWAY DEPARTMENT
INTERSECTION OF COUNTY HIGHWAYS E AND CI
SULLIVAN, WISCONSIN
ADVENT
ENVIRONMENTAL SERVICES, INC.

Pace Analytical
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(920)469-2436

November 24, 2010

Paula Richardson
Saga Environmental and Engineering, Inc.
146 E. Milwaukee St.
Jefferson, WI 53549

RE: Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Dear Paula Richardson:
Enclosed are the analytical results for sample(s) received by the laboratory on November 18, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Alee Her

Alee Her

alee.her@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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SAMPLE SUMMARY

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4039771001	SB101	Water	11/15/10 11:00	11/18/10 09:00
4039771002	SB102	Water	11/15/10 12:00	11/18/10 09:00
4039771003	SB103	Water	11/15/10 13:00	11/18/10 09:00
4039771004	SB104	Water	11/15/10 14:00	11/18/10 09:00
4039771005	SB105	Water	11/15/10 15:00	11/18/10 09:00
4039771006	TRIP BLANK	Water	11/15/10 00:00	11/18/10 09:00

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SAMPLE ANALYTE COUNT

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4039771001	SB101	WI MOD GRO	SES	9	PASI-G
4039771002	SB102	WI MOD GRO	SES	9	PASI-G
		EPA 6010	DLB	1	PASI-G
4039771003	SB103	WI MOD GRO	SES	9	PASI-G
		EPA 6010	DLB	1	PASI-G
4039771004	SB104	WI MOD GRO	SES	9	PASI-G
		EPA 6010	DLB	1	PASI-G
4039771005	SB105	WI MOD GRO	SES	9	PASI-G
		EPA 6010	DLB	1	PASI-G
4039771006	TRIP BLANK	WI MOD GRO	SES	9	PASI-G

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Sample: SB101 **Lab ID: 4039771001** Collected: 11/15/10 11:00 Received: 11/18/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**0.42J**	ug/L	1.0	0.39	1		11/19/10 10:53	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		11/19/10 10:53	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		11/19/10 10:53	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 10:53	91-20-3	
Toluene	**0.85J**	ug/L	1.0	0.42	1		11/19/10 10:53	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		11/19/10 10:53	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 10:53	108-67-8	
Xylene (Total)	**<1.3**	ug/L	3.0	1.3	1		11/19/10 10:53	1330-20-7	
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		11/19/10 10:53	98-08-8	pH

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Sample: SB102 **Lab ID: 4039771002** Collected: 11/15/10 12:00 Received: 11/18/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.39**	ug/L	1.0	0.39	1		11/19/10 11:18	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		11/19/10 11:18	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		11/19/10 11:18	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 11:18	91-20-3	
Toluene	**0.62J**	ug/L	1.0	0.42	1		11/19/10 11:18	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		11/19/10 11:18	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 11:18	108-67-8	
Xylene (Total)	**<1.3**	ug/L	3.0	1.3	1		11/19/10 11:18	1330-20-7	
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		11/19/10 11:18	98-08-8	pH
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<1.7**	ug/L	7.5	1.7	1		11/19/10 16:28	7439-92-1	

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Sample: SB103 **Lab ID: 4039771003** Collected: 11/15/10 13:00 Received: 11/18/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**0.50J**	ug/L	1.0	0.39	1		11/19/10 11:44	71-43-2	
Ethylbenzene	**0.45J**	ug/L	1.0	0.41	1		11/19/10 11:44	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		11/19/10 11:44	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 11:44	91-20-3	
Toluene	**1.4**	ug/L	1.0	0.42	1		11/19/10 11:44	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		11/19/10 11:44	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 11:44	108-67-8	
Xylene (Total)	**<1.3**	ug/L	3.0	1.3	1		11/19/10 11:44	1330-20-7	
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		11/19/10 11:44	98-08-8	pH
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<1.7**	ug/L	7.5	1.7	1		11/19/10 16:40	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Sample: SB104 **Lab ID: 4039771004** Collected: 11/15/10 14:00 Received: 11/18/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.78**	ug/L	2.0	0.78	2		11/23/10 08:34	71-43-2	
Ethylbenzene	**17.3**	ug/L	2.0	0.83	2		11/23/10 08:34	100-41-4	
Methyl-tert-butyl ether	**<0.76**	ug/L	2.0	0.76	2		11/23/10 08:34	1634-04-4	
Naphthalene	**4.9**	ug/L	2.0	0.81	2		11/23/10 08:34	91-20-3	
Toluene	**2.8**	ug/L	2.0	0.83	2		11/23/10 08:34	108-88-3	
1,2,4-Trimethylbenzene	**14.1**	ug/L	2.0	0.86	2		11/23/10 08:34	95-63-6	
1,3,5-Trimethylbenzene	**7.1**	ug/L	2.0	0.79	2		11/23/10 08:34	108-67-8	
Xylene (Total)	**21.4**	ug/L	6.0	2.5	2		11/23/10 08:34	1330-20-7	
a,a,a-Trifluorotoluene (S)	152	%	80-120		2		11/23/10 08:34	98-08-8	D3,HS, S7,pH
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**2.0J**	ug/L	7.5	1.7	1		11/19/10 16:44	7439-92-1	

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Sample: SB105 **Lab ID: 4039771005** Collected: 11/15/10 15:00 Received: 11/18/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**0.45J**	ug/L	1.0	0.39	1		11/19/10 20:14	71-43-2	
Ethylbenzene	**2.8**	ug/L	1.0	0.41	1		11/19/10 20:14	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		11/19/10 20:14	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 20:14	91-20-3	
Toluene	**1.0**	ug/L	1.0	0.42	1		11/19/10 20:14	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		11/19/10 20:14	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 20:14	108-67-8	
Xylene (Total)	**<1.3**	ug/L	3.0	1.3	1		11/19/10 20:14	1330-20-7	
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		11/19/10 20:14	98-08-8	pH
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<1.7**	ug/L	7.5	1.7	1		11/19/10 16:48	7439-92-1	

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Sample: TRIP BLANK **Lab ID: 4039771006** Collected: 11/15/10 00:00 Received: 11/18/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.39**	ug/L	1.0	0.39	1		11/19/10 20:39	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		11/19/10 20:39	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		11/19/10 20:39	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 20:39	91-20-3	
Toluene	**<0.42**	ug/L	1.0	0.42	1		11/19/10 20:39	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		11/19/10 20:39	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 20:39	108-67-8	
Xylene (Total)	**<1.3**	ug/L	3.0	1.3	1		11/19/10 20:39	1330-20-7	
a,a,a-Trifluorotoluene (S)	105	%	80-120		1		11/19/10 20:39	98-08-8	

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QUALITY CONTROL DATA

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

QC Batch: GCV/5925 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 4039771001, 4039771002, 4039771003, 4039771004, 4039771005, 4039771006

METHOD BLANK: 386638 Matrix: Water
Associated Lab Samples: 4039771001, 4039771002, 4039771003, 4039771004, 4039771005, 4039771006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.43	1.0	11/19/10 09:10	
1,3,5-Trimethylbenzene	ug/L	<0.40	1.0	11/19/10 09:10	
Benzene	ug/L	<0.39	1.0	11/19/10 09:10	
Ethylbenzene	ug/L	<0.41	1.0	11/19/10 09:10	
Methyl-tert-butyl ether	ug/L	<0.38	1.0	11/19/10 09:10	
Naphthalene	ug/L	<0.40	1.0	11/19/10 09:10	
Toluene	ug/L	<0.42	1.0	11/19/10 09:10	
Xylene (Total)	ug/L	<1.3	3.0	11/19/10 09:10	
a,a,a-Trifluorotoluene (S)	%	104	80-120	11/19/10 09:10	

LABORATORY CONTROL SAMPLE & LCSD: 386639 386640

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.8	20.8	104	104	80-120	.4	20	
1,3,5-Trimethylbenzene	ug/L	20	20.9	20.9	105	105	80-120	.07	20	
Benzene	ug/L	20	20.9	20.8	105	104	80-120	.5	20	
Ethylbenzene	ug/L	20	21.1	21.1	106	105	80-120	.08	20	
Methyl-tert-butyl ether	ug/L	20	21.3	21.4	106	107	80-120	.6	20	
Naphthalene	ug/L	20	19.3	19.9	96	99	80-120	3	20	
Toluene	ug/L	20	21.0	20.9	105	104	80-120	.4	20	
Xylene (Total)	ug/L	60	63.0	62.7	105	104	80-120	.5	20	
a,a,a-Trifluorotoluene (S)	%				101	102	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 386706 386707

Parameter	Units	4039819003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	1450	200	200	1680	1630	119	89	31-178	4	20	
1,3,5-Trimethylbenzene	ug/L	371	200	200	628	608	129	118	66-145	3	20	
Benzene	ug/L	96.7	200	200	357	352	130	128	23-177	1	20	
Ethylbenzene	ug/L	957	200	200	1110	1080	76	60	63-144	3	20	M1
Methyl-tert-butyl ether	ug/L	<3.8	200	200	209	210	104	105	80-120	.7	20	
Naphthalene	ug/L	283	200	200	453	458	85	88	63-140	1	20	
Toluene	ug/L	63.1	200	200	282	281	110	109	53-164	.6	20	
Xylene (Total)	ug/L	3340	600	600	3910	3770	94	71	41-166	4	20	
a,a,a-Trifluorotoluene (S)	%						111	110	80-120			

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QUALITY CONTROL DATA

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

QC Batch: ICP/4091 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 4039771002, 4039771003, 4039771004, 4039771005

METHOD BLANK: 386868 Matrix: Water
Associated Lab Samples: 4039771002, 4039771003, 4039771004, 4039771005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<1.7	7.5	11/19/10 16:20	

LABORATORY CONTROL SAMPLE: 386869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	500	527	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 386870 386871

Parameter	Units	4039771002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead, Dissolved	ug/L	<1.7	500	500	510	500	102	100	75-125	2	20	

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QUALIFIERS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
S7	Surrogate recovery outside control limits (not confirmed by re-analysis).
pH	Post-analysis pH measurement indicates insufficient VOA sample preservation.

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Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4039771001	SB101	WI MOD GRO	GCV/5925		
4039771002	SB102	WI MOD GRO	GCV/5925		
4039771003	SB103	WI MOD GRO	GCV/5925		
4039771004	SB104	WI MOD GRO	GCV/5925		
4039771005	SB105	WI MOD GRO	GCV/5925		
4039771006	TRIP BLANK	WI MOD GRO	GCV/5925		
4039771002	SB102	EPA 6010	ICP/4091		
4039771003	SB103	EPA 6010	ICP/4091		
4039771004	SB104	EPA 6010	ICP/4091		
4039771005	SB105	EPA 6010	ICP/4091		

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Green Bay, WI 54302
(920)469-2436

December 20, 2010

Paula Richardson
Saga Environmental and Engineering, Inc.
146 E. Milwaukee St.
Jefferson, WI 53549

RE: Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

Dear Paula Richardson:
Enclosed are the analytical results for sample(s) received by the laboratory on December 11, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Alee Her

Alee Her

alee.her@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

nelac

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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SAMPLE SUMMARY

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4040689001	**PW-1**	Water	12/09/10 09:30	12/11/10 08:35
4040689002	**TRIP BLANK**	Water	12/09/10 09:30	12/11/10 08:35

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SAMPLE ANALYTE COUNT

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4040689001	**PW-1**	WI MOD GRO	SES	9	PASI-G
		EPA 6010	DLB	1	PASI-G
4040689002	**TRIP BLANK**	WI MOD GRO	SES	9	PASI-G

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

Sample: PW-1 **Lab ID: 4040689001** Collected: 12/09/10 09:30 Received: 12/11/10 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.39**	ug/L	1.0	0.39	1		12/13/10 14:51	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		12/13/10 14:51	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		12/13/10 14:51	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		12/13/10 14:51	91-20-3	
Toluene	**<0.42**	ug/L	1.0	0.42	1		12/13/10 14:51	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		12/13/10 14:51	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		12/13/10 14:51	108-67-8	
Xylene (Total)	**<1.3**	ug/L	3.0	1.3	1		12/13/10 14:51	1330-20-7	
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		12/13/10 14:51	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**<1.4**	ug/L	7.5	1.4	1	12/14/10 14:45	12/16/10 13:34	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

Sample: TRIP BLANK **Lab ID: 4040689002** Collected: 12/09/10 09:30 Received: 12/11/10 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.39**	ug/L	1.0	0.39	1		12/13/10 15:17	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		12/13/10 15:17	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		12/13/10 15:17	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		12/13/10 15:17	91-20-3	
Toluene	**<0.42**	ug/L	1.0	0.42	1		12/13/10 15:17	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		12/13/10 15:17	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		12/13/10 15:17	108-67-8	
Xylene (Total)	**<1.3**	ug/L	3.0	1.3	1		12/13/10 15:17	1330-20-7	
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		12/13/10 15:17	98-08-8	

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QUALITY CONTROL DATA

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

QC Batch: GCV/6018
QC Batch Method: WI MOD GRO
Analysis Method: WI MOD GRO
Analysis Description: WIGRO GCV Water
Associated Lab Samples: 4040689001, 4040689002

METHOD BLANK: 395326 Matrix: Water
Associated Lab Samples: 4040689001, 4040689002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.43	1.0	12/13/10 11:01	
1,3,5-Trimethylbenzene	ug/L	<0.40	1.0	12/13/10 11:01	
Benzene	ug/L	<0.39	1.0	12/13/10 11:01	
Ethylbenzene	ug/L	<0.41	1.0	12/13/10 11:01	
Methyl-tert-butyl ether	ug/L	<0.38	1.0	12/13/10 11:01	
Naphthalene	ug/L	<0.40	1.0	12/13/10 11:01	
Toluene	ug/L	<0.42	1.0	12/13/10 11:01	
Xylene (Total)	ug/L	<1.3	3.0	12/13/10 11:01	
a,a,a-Trifluorotoluene (S)	%	102	80-120	12/13/10 11:01	

LABORATORY CONTROL SAMPLE & LCSD: 395327 395328

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	19.4	19.2	97	96	80-120	.9	20	
1,3,5-Trimethylbenzene	ug/L	20	19.2	19.1	96	95	80-120	.9	20	
Benzene	ug/L	20	19.7	20.1	99	100	80-120	2	20	
Ethylbenzene	ug/L	20	19.7	19.5	98	98	80-120	.7	20	
Methyl-tert-butyl ether	ug/L	20	20.3	20.4	102	102	80-120	.4	20	
Naphthalene	ug/L	20	19.5	19.1	97	96	80-120	2	20	
Toluene	ug/L	20	19.7	19.7	99	99	80-120	.02	20	
Xylene (Total)	ug/L	60	58.7	58.3	98	97	80-120	.7	20	
a,a,a-Trifluorotoluene (S)	%				102	101	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 395457 395458

Parameter	Units	4040676005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	975	200	200	1230	1150	126	86	31-178	7	20	
1,3,5-Trimethylbenzene	ug/L	137	200	200	344	327	103	95	66-145	5	20	
Benzene	ug/L	<3.9	200	200	208	201	104	101	23-177	3	20	
Ethylbenzene	ug/L	178	200	200	387	369	104	95	63-144	5	20	
Methyl-tert-butyl ether	ug/L	24.8	200	200	221	218	98	97	80-120	1	20	
Naphthalene	ug/L	139	200	200	340	333	101	97	63-140	2	20	
Toluene	ug/L	<4.2	200	200	210	205	105	103	53-164	2	20	
Xylene (Total)	ug/L	287	600	600	898	860	102	95	41-166	4	20	
a,a,a-Trifluorotoluene (S)	%						103	103	80-120			

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QUALITY CONTROL DATA

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

QC Batch: MPRP/4888
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 4040689001

METHOD BLANK: 396045 Matrix: Water
Associated Lab Samples: 4040689001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.4	7.5	12/16/10 11:26	

LABORATORY CONTROL SAMPLE: 396046

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	488	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 396047 396048

Parameter	Units	4040655002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	100	500	500	580	577	96	95	75-125	.5	20	

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QUALIFIERS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

Pace Analytical
www.pacelabs.com

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(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4040689001	**PW-1**	WI MOD GRO	GCV/6018		
4040689002	**TRIP BLANK**	WI MOD GRO	GCV/6018		
4040689001	**PW-1**	EPA 3010	MPRP/4888	EPA 6010	ICP/4166

03-28-228585
Jeffery Property

Maass, Randall S - DNR

From: Maass, Randall S - DNR
Sent: Monday, January 10, 2011 4:39 PM
To: 'prichardson@saga-ee.com'
Subject: RE: BRRTS Activity 03-28-228585

Hi Paula,

I'm sorry about the delay. The email from Rachel was missing the attachments, so I waited until Rachel got a chance to send them to me and then I was delayed while working on a closure request for tomorrow morning's closure meeting.

The SIR should be sent to me for review before being transferred to Commerce. The attached data suggest that the site will be transferred to Commerce.

Regards,

Randy

Randall Maass
Hydrogeologist
Remediation and Redevelopment Program
South Central Region
Wisconsin Department of Natural Resources
(☎) phone: (608) 275-3224
(☎) fax: (608) 273-5610
(✉) e-mail: randall.maass@wisconsin.gov

From: Greve, Rachel M - DNR
Sent: Monday, January 03, 2011 8:43 AM
To: Paula Richardson
Cc: Maass, Randall S - DNR
Subject: RE: BRRTS Activity 03-28-228585

Hi Paula,
I've recently changed jobs and am now in DNR's Water Use section, so I'm forwarding your question to Randy Maass.

Thanks,
Rachel

From: Paula Richardson [mailto:prichardson@saga-ee.com]
Sent: Wednesday, December 29, 2010 02:32 PM
To: Greve, Rachel M - DNR
Subject: BRRTS Activity 03-28-228585

Good Afternoon Rachel,

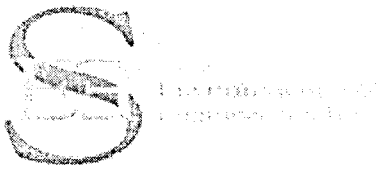
I spoke with you back in April regarding the Jeffery Property site in Sullivan (BRRTS Activity 03-28-228585). At that time, I was with RSV Engineering, Inc., who subsequently signed a PECFA agent contract with the Department of Commerce and Mr. Thomas Jeffery. Shortly thereafter RSV split into several entities, one of which was formerly the environmental section of RSV. This portion of the company was purchased by myself and two of my colleagues from RSV, and became Saga Environmental and Engineering, Inc. It took several months to complete the transaction, and Saga became an official company on October 1st, 2010. To simplify administration of the Jeffery project, it was put on hold until that time.

In November the site investigation was conducted at the property. Five soil borings (SB101 through SB105) were completed in the approximate locations shown on the attached map. Please note the very small scale on the map. Saga planned to install a boring within the former tank bed, but there is a large juniper tree in that area now. However, the area is adequately characterized as the borings were completed in close proximity to the former tank bed. Groundwater was encountered at about 5 feet in each boring. Unsaturated soils were screened with a PID, but there were no indications of impacts. Groundwater samples were collected from each location and submitted for PVOCs and lead. Groundwater samples were also collected from the onsite potable well and submitted for the same analyses. No parameters were detected above their respective PALs in any sample, and nothing was detected in the sample from the potable well.

Based on the data, Saga believes a low-risk determination and Commerce jurisdiction for the site are appropriate. Saga will summarize site investigation activities and results into a site investigation report and closure request. Please advise as to whether this document should be sent to your attention or to the Department of Commerce.

Please feel free to call me at 920-674-3411 with any questions you may have. I will be in the office the remainder of the afternoon today, out tomorrow morning and in the field on Friday, but back in the office Monday through Wednesday next week.

Thank you,



Paula A. Richardson, P.G.
Vice President/ Hydrogeologist

146 E. Milwaukee Street
Jefferson, WI 53549
Ph. 920-674-3411
Cell 920-605-6073
Fax 920-674-3481
email: prichardson@saga-ee.com

Maass, Randall S - DNR

From: Maass, Randall S - DNR
Sent: Friday, January 21, 2011 2:52 PM
To: 'Paula Richardson'
Subject: RE: BRRTS Activity 03-28-228585

Hi Paula,

If you are in the office next Monday or Wednesday, please give me a call after 10:00. I would like to find out the location of the potable well, the depth of the potable well (if known), and whether the building has a basement. Based on the local topography and the location of the nearby creek, my interpretation is that groundwater flow is westerly, so I also want to discuss the locations of the borings.

Thanks,

Randy

Randall Maass
Hydrogeologist
Remediation and Redevelopment Program
South Central Region
Wisconsin Department of Natural Resources
(☎) phone: (608) 275-3224
(☎) fax: (608) 273-5610
(✉) e-mail: randall.maass@wisconsin.gov

From: Paula Richardson [mailto:prichardson@saga-ee.com]
Sent: Wednesday, January 19, 2011 2:46 PM
To: Maass, Randall S - DNR
Subject: RE: BRRTS Activity 03-28-228585

Good Afternoon Randy,

Please find attached the Site Investigation Report and Commerce Jurisdiction Request for the Jeffery Property in Sullivan, WI. Will the electronic version suffice, or will you require a hard copy as well?

Please feel free to call me with any questions you may have.

I will look forward to your response.

Regards,

Paula A. Richardson, P.G.
Vice President/ Hydrogeologist

From: Maass, Randall S - DNR [mailto:Randall.Maass@Wisconsin.gov]
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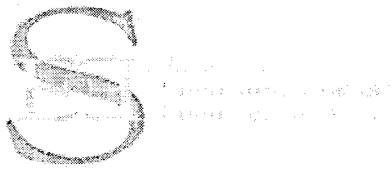
Thank you,



Paula A. Richardson, P.G.
Vice President/ Hydrogeologist

146 E. Milwaukee Street
Jefferson, WI 53549
Ph. 920-674-3411
Cell 920-605-6073
Fax 920-674-3481
email: prichardson@saga-ee.com

53-28-225585

PHONE CONTACT

DATE 1-24-11

SITE NAME Jeffery Property CONTACT NAME Paula Richardson, Saga

The potable well is located near the SE corner of the building, near SB101, but closer to the building. Depth unknown. Building has a basement, GW may flow around basement. The only way to get a boring near S-3, where concentrations were highest when tanks were removed, is to cut down a tree. I think that the borings are upgradient and sidegradient, but SB102 is so close to former tanks that I will not require additional borings. Condition of USTs when removed suggests release, ~~took place if there was one,~~ took place long ago. I will transfer to Commerce.

- Randy Maass

Maass, Randall S - DNR

From: Maass, Randall S - DNR
Sent: Wednesday, January 26, 2011 3:28 PM
To: Weihemuller, Wendy - DNR
Subject: FW: BRRTS Activity 03-28-228585
Attachments: 110119 Final Jeffery Commerce Jurisdiction Request.pdf

Hi Wendy,

This site can be transferred to Commerce. In addition to transferring the file, please forward this email, because I did not print the attached 59-page SIR.

Thanks,

Randy

From: Paula Richardson [mailto:prichardson@saga-ee.com]
Sent: Wednesday, January 19, 2011 2:46 PM
To: Maass, Randall S - DNR
Subject: RE: BRRTS Activity 03-28-228585

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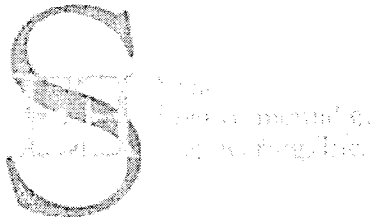
Regards,



Paula A. Richardson, P.G.
Vice President/ Hydrogeologist

From: Maass, Randall S - DNR [mailto:Randall.Maass@Wisconsin.gov]
Sent: Monday, January 10, 2011 4:39 PM
To: Paula Richardson
Subject: RE: BRRTS Activity 03-28-228585

Hi Paula,

I'm sorry about the delay. The email from Rachel was missing the attachments, so I waited until Rachel got a

chance to send them to me and then I was delayed while working on a closure request for tomorrow morning's closure meeting.

The SIR should be sent to me for review before being transferred to Commerce. The attached data suggest that the site will be transferred to Commerce.

Regards,

Randy

Randall Maass
Hydrogeologist
Remediation and Redevelopment Program
South Central Region
Wisconsin Department of Natural Resources
(☎) phone: (608) 275-3224
(☎) fax: (608) 273-5610
(✉) e-mail: randall.maass@wisconsin.gov

From: Greve, Rachel M - DNR
Sent: Monday, January 03, 2011 8:43 AM
To: Paula Richardson
Cc: Maass, Randall S - DNR
Subject: RE: BRRTS Activity 03-28-228585

Hi Paula,
I've recently changed jobs and am now in DNR's Water Use section, so I'm forwarding your question to Randy Maass.

Thanks,
Rachel

From: Paula Richardson [mailto:prichardson@saga-ee.com]
Sent: Wednesday, December 29, 2010 02:32 PM
To: Greve, Rachel M - DNR
Subject: BRRTS Activity 03-28-228585

Good Afternoon Rachel,

I spoke with you back in April regarding the Jeffery Property site in Sullivan (BRRTS Activity 03-28-228585). At that time, I was with RSV Engineering, Inc., who subsequently signed a PECFA agent contract with the Department of Commerce and Mr. Thomas Jeffery. Shortly thereafter RSV split into several entities, one of which was formerly the environmental section of RSV. This portion of the company was purchased by myself and two of my colleagues from RSV, and became Saga Environmental and Engineering, Inc. It took several months to complete the transaction, and Saga became an official company on October 1st, 2010. To simplify administration of the Jeffery project, it was put on hold until that time.

In November the site investigation was conducted at the property. Five soil borings (SB101 through SB105) were completed in the approximate locations shown on the attached map. Please note the very small scale on the map. Saga planned to install a boring within the former tank bed, but there is a large juniper tree in that area now. However, the area is adequately characterized as the

borings were completed in close proximity to the former tank bed. Groundwater was encountered at about 5 feet in each boring. Unsaturated soils were screened with a PID, but there were no indications of impacts. Groundwater samples were collected from each location and submitted for PVOCs and lead. Groundwater samples were also collected from the onsite potable well and submitted for the same analyses. No parameters were detected above their respective PALs in any sample, and nothing was detected in the sample from the potable well.

Based on the data, Saga believes a low-risk determination and Commerce jurisdiction for the site are appropriate. Saga will summarize site investigation activities and results into a site investigation report and closure request. Please advise as to whether this document should be sent to your attention or to the Department of Commerce.

Please feel free to call me at 920-674-3411 with any questions you may have. I will be in the office the remainder of the afternoon today, out tomorrow morning and in the field on Friday, but back in the office Monday through Wednesday next week.

Thank you,

Paula A. Richardson, P.G.
Vice President/ Hydrogeologist

146 E. Milwaukee Street
Jefferson, WI 53549
Ph. 920-674-3411
Cell 920-605-6073
Fax 920-674-3481
email: prichardson@saga-ee.com

Waiting for Transfer + Request.

Wenzel, Shawn A - COMMERCE

From: Paula Richardson [prichardson@saga-ee.com]
Sent: Tuesday, February 08, 2011 10:04 AM
To: Wenzel, Shawn A - COMMERCE
Subject: FW: Jeffery Property - 53156-9688-03-A / 03-28-228585
Attachments: 110119 Final Jeffery Commerce Jurisdiction Request.pdf

Good Morning Shawn,

Thanks for your message this morning regarding the Former DJ's Tavern site. I look forward to your response on the closure request and appreciate the timely review.

Kristi Prindle informed me this morning that you will be the project manager for the Jeffery Property site, but that the file has not been transferred from the WDNR yet. I have attached an electronic copy of the Site Investigation Report and Commerce jurisdiction request I sent to Randy Maass last month to get you started. Please feel free to call me with any questions you may have regarding the site following your review. I am planning on preparing a closure request for the site within the next few weeks.

Regards,

Saga Environmental & Engineering, Inc.

Paula A. Richardson, P.G.
Vice President/ Hydrogeologist

From: Paula Richardson
Sent: Wednesday, January 19, 2011 2:46 PM
To: 'Maass, Randall S - DNR'
Subject: RE: BRRTS Activity 03-28-228585

Good Afternoon Randy,

Please find attached the Site Investigation Report and Commerce Jurisdiction Request for the Jeffery Property in Sullivan, WI. Will the electronic version suffice, or will you require a hard copy as well?

Please feel free to call me with any questions you may have.

I will look forward to your response.

Regards,

Saga Environmental & Engineering, Inc.

Paula A. Richardson, P.G.
Vice President/ Hydrogeologist

From: Maass, Randall S - DNR [mailto:Randall.Maass@Wisconsin.gov]
Sent: Monday, January 10, 2011 4:39 PM
To: Paula Richardson
Subject: RE: BRRTS Activity 03-28-228585

Hi Paula,

I'm sorry about the delay. The email from Rachel was missing the attachments, so I waited until Rachel got a chance to send them to me and then I was delayed while working on a closure request for tomorrow morning's closure meeting.

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Randall Maass
Hydrogeologist
Remediation and Redevelopment Program
South Central Region
Wisconsin Department of Natural Resources
(☎) phone: (608) 275-3224
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(✉) e-mail: randall.maass@wisconsin.gov

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Sent: Monday, January 03, 2011 8:43 AM
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Cc: Maass, Randall S - DNR
Subject: RE: BRRTS Activity 03-28-228585

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Thanks,
Rachel

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Sent: Wednesday, December 29, 2010 02:32 PM
To: Greve, Rachel M - DNR
Subject: BRRTS Activity 03-28-228585

Good Afternoon Rachel,

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Thank you,

Paula A. Richardson, P.G.
Vice President/ Hydrogeologist

146 E. Milwaukee Street
Jefferson, WI 53549
Ph. 920-674-3411
Cell 920-605-6073
Fax 920-674-3481
email: prichardson@saga-ee.com

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott Walker, Governor
Cathy Stepp, Secretary
Lloyd L. Eagan, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

February 14, 2011

File Ref: 03-28-228585

Mr. Tom Jeffery
W1003 County Highway CI
Palmyra WI 53156

SUBJECT: Transfer of your file: Jeffery Property, W1003 County Highway CI

Dear Mr. Jeffery:

This letter is to notify you that the Department of Natural Resources has an open file regarding contamination at the above site, and that this file is being transferred to the Department of Commerce. Commerce staff will make the decision with regard to closure.

The State of Wisconsin divides the jurisdiction for sites contaminated by petroleum storage tank systems between the DNR and the Department of Commerce (Commerce). This is based on statutory definitions of high, medium and low risk sites. Under this statute, oversight of sites falling under the definition of "low or medium risk" are the responsibility of Commerce rather than our agency. Your consultant has advised us that your site falls under the definition of "low or medium risk". As such, further reviews of submittals and all technical assistance will need to be provided by staff at Commerce. Thank you for the efforts you have made to date to address the contamination.

All future contacts regarding this site should be directed to Commerce at (608) 266-8516. Correspondence should be directed to this address:

WI Department of Commerce
PO Box 8044
Madison WI 53707-8044

Please include both your PECFA claim number, if you have one, and your DNR ID# on all correspondence.

Sincerely,

Wendy Weihemueller

Wendy Weihemuller Program Assistant
Remediation & Redevelopment
Telephone: (608) 275-3212

Cc: file
Paula Richardson RSV Engineering

Saga
Environmental &
Engineering, Inc.

February 22, 2011

Mr. Shawn Wenzel
Wisconsin Department of Commerce – PECFA Bureau
Environmental & Regulatory Services Division
P.O. Box 8044
Madison, Wisconsin 53708-8044

RE: Closure Request
Jeffery Property at W1003 County Road CI
Palmyra, Wisconsin
Commerce #53156-9688-03 BRRTS#03-28-228585

Dear Mr. Wenzel:

Saga Environmental and Engineering, Inc. (Saga) is pleased to present this closure request summarizing environmental site investigation at the above referenced site (site) and justification for case closure. RSV Engineering, Inc. (RSV) was contacted by Mr. Thomas Jeffery in May 2010 regarding a need to have some environmental investigation completed at his property due to the historic presence of a leaking leaded gasoline underground storage tank (UST). RSV determined that based on the history of the site as a gasoline marketer, the site would be eligible for Petroleum Environmental Cleanup Fund (PECFA) reimbursement of costs incurred for site investigation. Subsequently, RSV entered into a PECFA agent contract agreement with Mr. Jeffery. Following execution of that contract, but before RSV was able to initiate site investigation activities, RSV underwent a series of reorganizations that concluded with RSV selling off the majority of its assets and book of business to the environmental division. The environmental division was purchased by former RSV employees and became Saga Environmental and Engineering, Inc.

Following completion of the transition to the new company, Saga notified the Department of Commerce of the name change and assured continuity of the project. It took several months to complete the transition of assets and contracts, and Saga became the new owner of the former RSV contracts on October 1st, 2010. To simplify administration of the Jeffery project, it was put on hold until that time.

SITE HISTORY

Mr. Thomas Jeffery inherited the subject property from his parents, who operated the site as a general store and gas station for approximately 40 years, prior to 1972. In 1999 the Jefferson County Highway Department widened the intersection of County Roads E and CI adjacent to the property and at that time discovered two USTs: one 300-gallon and one 1,000-gallon leaded gasoline tank. The tanks were removed and a tank closure assessment was completed by Advent Environmental Services

Oregon Office:
31960 SW Charbonneau Drive #101
Wilsonville, OR 97070
telephone: 503.694.6960

Wisconsin Office:
146 East Milwaukee Street #120
Jefferson, WI 53549
telephone: 920.674.3411

(Advent) at that time (Attachment A). During the tank closure assessment, soil samples were collected from the soils surrounding the tank systems at a depth of approximately 8 feet below ground surface (bgs) and submitted for laboratory analysis of gasoline range organics (GRO) and diesel range organics (DRO). Results of soil samples collected were generally below the Wisconsin Administrative Code (WAC) ch NR 746 generic residual contaminant level (RCL) of 100 mg/kg for GRO or DRO. However, the concentrations of GRO and DRO detected in the soil sample collected from the south end of the tank bed (S-3) exceeded the RCL at concentrations of 970 and 710 mg/kg, respectively. No groundwater samples were collected at that time. However, it should be noted that the depth to groundwater observed at the site in the fall of 2010 was approximately 5 feet bgs; therefore, the 1999 laboratory analytical results from the soil samples may not have been representative of only soil conditions, but may have been more representative of a combination of soil and groundwater conditions at that time.

Following receipt of the analytical results, the Jefferson County Highway Department contacted the Wisconsin Department of Natural Resources (WDNR) to notify them of the contamination and the WDNR subsequently contacted Mr. Jeffery to notify him of his responsibility to investigate further.

2010 SITE INVESTIGATION

Field Activities

Saga mobilized a Geoprobe drill rig to the site on November 15, 2010 to conduct soil borings in the area where contamination had previously been detected. Saga completed five soil borings at the site at the approximate locations shown on the attached map (Attachment B), each to an approximate depth of ten feet bgs. Soil samples were collected continuously, soil descriptions were logged by a registered professional geologist, and unsaturated samples were screened for volatile organic vapors using a photoionization detector (PID) for possible laboratory analyses. Soil boring logs and abandonment forms are included as Attachment C.

Saga had planned to install a boring within the former tank bed, however, the drill rig could not access that area as a large juniper tree occupies that area now. However, the area is adequately characterized as the borings were completed in close proximity to the former tank bed (please note the very small scale on the map). As noted above, groundwater was encountered at about 5 feet bgs in each boring. Soils logged in the borings generally consisted of sand and silt. Based on PID readings and visual and olfactory observations, there were no indications of impacts in the unsaturated zone. Therefore, no soil samples were collected. Groundwater samples were collected from each location and submitted for petroleum volatile organic compounds (PVOCs) and dissolved lead (Attachment D). Groundwater samples were also collected from the onsite potable well and submitted for the same analyses.

Investigation Results

No PVOCs or dissolved lead were detected above their respective WAC ch. NR140 enforcement standards (ESs) in any groundwater sample collected, and no PVOCs or dissolved lead were detected in the water sample collected from the potable well (Table 1 and Attachment D). The concentration of lead detected in the groundwater sample collected from soil boring SB104 slightly exceeded the WAC

ch. NR140 preventive action limit (PAL) of 1.5 µg/L at a concentration of 2.0 µg/L. In addition, benzene was detected at 0.5 µg/L (equal to the benzene PAL) in the groundwater sample collected from soil boring SB103. Benzene was not detected in the groundwater sample collected from soil boring SB104. However, the sample was diluted due to matrix interference and the detection limit exceeded the PAL. No other parameters exceeded their respective PALs in the groundwater samples collected from the site.

Free product was not observed at any time during site investigation activities.

Shallow groundwater flow in the vicinity of the subject property is expected to be west, toward an unnamed creek, based on local topography. However, as the on-site building has a basement and groundwater is shallow, the basement and its foundation drain sump would be expected to impede or capture groundwater flow to the west in the former tank bed area. Therefore, although no explicitly downgradient groundwater samples have been collected, it would be expected that any petroleum-related contamination originating in the former tank bed area would stagnate in the area immediately surrounding the former tank bed, which has been adequately characterized.

VAPOR INTRUSION

On December 16, 2010, the WDNR released the final version of its new guidance entitled *Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin.* The purpose of the guidance document is to identify the conditions where assessment of the vapor intrusion pathway at contaminated sites is necessary. Considerations to be included in an evaluation of whether the potential for a vapor intrusion pathway may exist include: volatility of contaminants, potential for degradation/sorption in the vadose zone, contaminant concentration, distance to structures, building structure, competence of foundation, presence of utilities and preferential flow paths, etc.

In particular, at petroleum-impacted sites where no petroleum odors have been detected, the guidance states that vapor intrusion can be ruled out at most sites based on the presence of 5 feet (in the horizontal and vertical direction) of clean, unsaturated soil between the residual petroleum and the building, as long as the following conditions are not present:

- Free-phase product that has the potential for off-gassing vapors underlies a building or is within 30 feet, horizontally or vertically, of a building foundation.
- Petroleum contaminated soils with the potential for off-gassing vapors are within 5 feet or less of a building foundation.
- Benzene concentration in groundwater underlying a building is >1000 µg/L and there is less than 20 feet of unsaturated soil between the groundwater and the building foundation.
- Groundwater contaminated with petroleum product above WAC ch. NR140 PAL is entering a building or in contact with the building's foundation, or is in water intercepted by the building's foundation drain system, including sumps.
- Petroleum vapors are present that may migrate from the petroleum source and move through preferential pathways (sewer lines, fractured bedrock, etc.) into a building.

If none of these criteria are present, the investigator can assume that the necessary 5 feet of clean, aerated soil are present and rule out the vapor intrusion pathway. None of the conditions listed above

from the guidance are present at the site. Therefore, the vapor intrusion pathway is not considered a pathway of concern and does not need additional evaluation.

CONCLUSIONS AND RECOMMENDATIONS

Based on current site investigation data, only low-level residual groundwater contamination below NR 140 ESs remains at the site. Historical concentrations of GRO and DRO detected in saturated soil samples were likely representative of a combination of soil and groundwater conditions at that time. As more than a decade has elapsed since the soil samples were collected and the source of contamination has been removed, the moderately permeable sands and silt at the site coupled with the shallow depth to groundwater would be expected to be conducive to natural attenuation of petroleum-related contaminants in the subsurface by aerobic degradation and dispersion. Therefore, the residual, low-level (below the ES) groundwater contamination remaining at the site would be expected to be reduced to non-detectable levels within a reasonable timeframe. Consequently, Saga has determined that no further investigation or remediation is necessary at the site, and requests site closure at this time. A Commerce Case Close Out Form is included as Attachment E.

* * *

Should you have any questions regarding the information in this document, please contact the undersigned at 920-674-3411.

Sincerely,

Saga Environmental and Engineering, Inc.

Paula A. Richardson, P.G
Vice President/ Hydrogeologist

Enclosures:

Table 1
Attachments A through E

TABLE 1
GROUNDWATER ANALYTICAL SUMMARY
JEFFERY PROPERTY
PALMYRA, WI
Concentrations in µg/L

Sample ID	Date	Volatile Organic Compounds (VOCs; µg/L) Benzene	Ethylbenzene	Toluene	Xylenes	Methyl tert-butyl ether	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Naphthalene	Lead, Dissolved (µg/L)
Wisconsin Administrative Code NR 140 Groundwater Standards										
NR 140 PAL		0.5	140	200	1,000	12	96		10	1.5
NR 140 ES		5	700	1,000	10,000	60	480		100	15
Temporary Monitoring Well Samples										
SB101	11/15/2010	0.42	<0.41	0.85	<1.3	<0.38	<0.43	<0.40	<0.40	--
SB102	11/15/2010	<0.39	<0.41	0.62	<1.3	<0.38	<0.43	<0.40	<0.40	<1.7
SB103	11/15/2010	*0.50*	0.45 J	1.4	<1.3	<0.38	<0.43	<0.40	<0.40	<1.7
SB104	11/15/2010	<0.78	17.3	<0.76	21.4	<0.76	14.1	7.1	4.9	*2.0*
SB105	11/15/2010	0.45	2.8	1.0	<1.3	<0.38	<0.43	<0.40	<0.40	<1.7
Potable Well Sample										
PW-1	12/9/2010	<0.39	<0.41	<0.42	<1.3	<0.38	<0.43	<0.40	<0.40	<1.4

Notes:

0.50 : Concentration meets or exceeds NR 140 PAL.
µg/L : Micrograms per liter.
PAL : Preventive Action Limit.
ES : Enforcement Standard.
<0.20 : Analyte not detected above limit of detection shown.

ATTACHMENT A
Advent Environmental Services Tank Closure Assessment

A D V E N T

03-28-228585
~~Jefferson County Right of Way~~
Jeffery Property

Advent
Environmental
Services, Inc.

Site Assessment Report for Underground Storage Tank Closure

Jefferson County Highway Department Project

Intersection of County Highways E and CI (right of way)
Sullivan, Wisconsin
Jefferson County
Advent Project No. 990090.00

BRRTS Unique I.D. #03-28-228585

Prepared for
Mr. Randy Kuhl
Jefferson County Highway Department

October 1999

ADVENT

Advent
Environmental
Services, Inc.

October 28, 1999

Mr. Randy Kuhl
631 N. Watertown Road
Jefferson, WI 53549

Re: Site Assessment Report for Underground Storage Tank (UST) Closure, Jefferson County Highway Department Project, Intersection of County Highways E and CI (right of way), Sullivan, Wisconsin
Advent Project No. 990090.00.

Dear Mr. Kuhl:

Advent Environmental Services, Inc., has prepared a Site Assessment Report for Underground Storage Tank Closure for the Jefferson County Highway Department project located at the intersection of County Highways E and CI. Gasoline range organic (GRO) and diesel range organic (DRO) concentrations were detected in soil samples collected from beneath the 1,000-gallon and 300-gallon leaded gasoline underground storage tanks (USTs). Laboratory analysis revealed GRO and DRO concentrations in excess of the Wisconsin Department of Natural Resources (WDNR) site investigation guideline of 10 ppm. Advent notified the WDNR of this release on August 27, 1999. Advent recommends investigating the extent of this petroleum release.

Advent has submitted this report to the Wisconsin Department of Natural Resources (WDNR) at the following address:

Ms. Marilyn Jahnke
Remediation and Redevelopment Program
WDNR – South Central District
3911 Fish Hatchery Road
Fitchburg, WI 53711-5397

If you have any questions or concerns, please call me at (414) 371-5026, ext. 3028.

Sincerely,

Ken Kuehn
Geologist — Mequon Office

CC: Ms. Marilyn Jahnke, WDNR Remediation and Redevelopment Program

990090r0a.doc

10845 N. Buntrock Ave. 64W Mequon, WI 53092
414-238-1998 1-800-880-1998 Fax 414-238-1988

Site Background Information

The underground storage tank (UST) systems were located in the Jefferson County Highway right of way and fall under the jurisdiction of the Jefferson County Highway Department. The UST systems were located at the southwest corner of the intersection of County Highways E and CI, Sullivan, Wisconsin (NW¼, SE¼, Sec. 34, T.6N., R.16E.). The area is located in the Jefferson County right of way adjacent to a residential/commercial building. (See Figure 1.) The site is surrounded by residential and commercial properties.

One 1,000-gallon leaded gasoline UST and one 300-gallon leaded gasoline UST were located in the Jefferson County right-of-way. These USTs were used for retail sales of gasoline in the past, at the adjacent property. (See Figure 2.) The USTs were not registered with the Wisconsin Department of Commerce (WDCOM).

Tank Activities and Excavations

Advent provided closure assessment services for the removal of one 1,000-gallon leaded gasoline UST and one 300-gallon leaded gasoline UST on August 12, 1999. Copies of the Checklist for Tank Closure (Form ERS-8951) and the Underground Flammable/Combustible Liquid Storage Tank Inventory (Form ERS-7437) are included in Appendix A. The original forms were submitted to WDCOM by Inspector Bill Shane of the Wisconsin Department of Commerce-Area 4. The certified site assessor was Mr. Ken Kuehn (certification number 41561) of Advent. The certified remover/cleaner was Mr. Ricky Klebenow (certification number 41650) of Advent.

Tank Cleaning and Disposal

The USTs were cleaned on-site by removing the side portion of the tanks and scraping the inside of the tanks. All tank sludge material generated was transferred into one 55-gallon drum. After cleaning, the USTs were labeled and and left on-site for the Jefferson County Highway Department to dispose of as scrap.

Surplus Product Management

No surplus water or petroleum product was encountered during the UST cleaning process.

Tank Sludge Management

Approximately 25 gallons of waste sludge material consisting of leaded gasoline, water, and inorganic solids was generated at the site from cleaning the USTs. This material was placed into one 55-gallon drum and is pending approval for disposal by WRR Environmental Services Co., Inc., Eau Claire, Wisconsin. (See Appendix B.)

Site Location

See Figure 1.

Site Layout Plan

See Figure 2.

Visual Inspection

The ambient air temperature was 83°F with partly cloudy skies at the time of the USTs' closure assessment. The USTs were located in a common tank bed beneath sand and gravel in the Jefferson County right of way near the southwest corner of the intersection of County Highways E and CI. (See Figure 2.) No unanticipated USTs were encountered in the excavation.

The depth of the UST excavation was approximately 6 feet below ground surface (bgs). One to two feet of overburden was removed from above the USTs. Petroleum soil odor and staining were observed in soil samples collected from beneath the USTs. The native soil type encountered was brown fine to medium silty sand with some gravel. Freestanding water was observed in the excavation at a depth of approximately 8 feet bgs.

There were numerous holes observed in the USTs ranging from 1 millimeter to 6 centimeters in size. The 1,000-gallon leaded gasoline UST was 3.5 feet in diameter by 7.5 feet long. The 300-gallon leaded gasoline UST was 3 feet in diameter by 5 feet long.

The piping consisted of fill pipes directly above the USTs. The product feed pipes went to a concrete pump island located approximately 2 feet from the 300-gallon UST. The pump dispenser was not present at the time of the UST closures. The piping was in good condition, and no holes were observed.

Soil Sampling and Field Screening Results

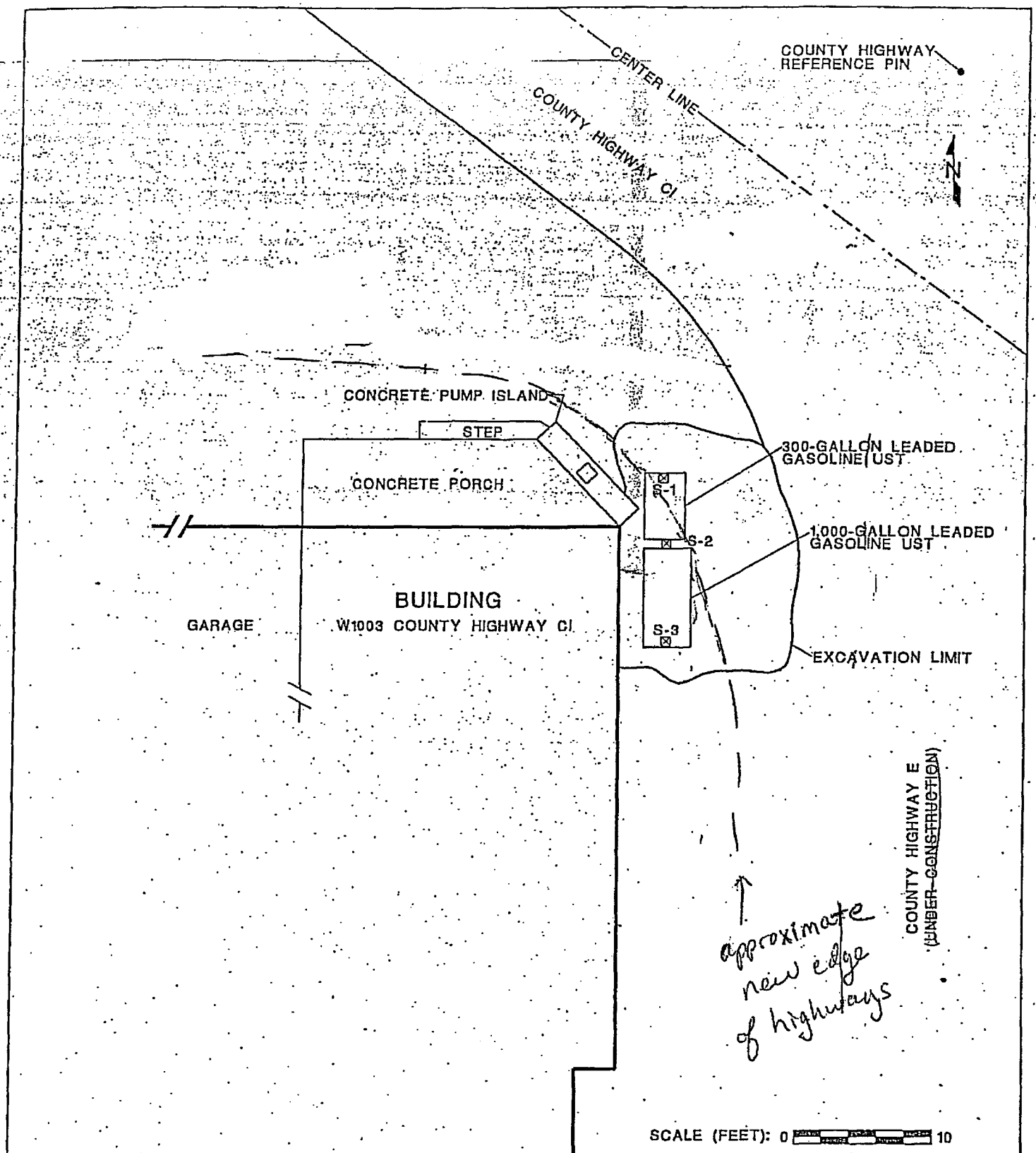
To assess the leaded gasoline USTs systems, Advent collected a total of three soil samples from beneath the USTs. All soil samples collected were analyzed for gasoline range organics (GROs) and diesel range organics (DROs). A description of standard sampling and field screening techniques is included in Appendix C. The results of laboratory analyses are summarized in Table 1.

Lab Results

GROs and DROs were detected in all three of the soil samples (S-1 to S-3) analyzed. The concentrations ranged from 8.9 parts per million (ppm) to 970 ppm. Laboratory reports and chain of custody are included in Appendix D.

Conclusion and Recommendations

Gasoline range organic (GRO) and diesel range organic (DRO) concentrations were detected in soil samples collected from beneath the 1,000-gallon and 300-gallon leaded gasoline underground storage tanks (USTs). Laboratory analysis revealed GRO or DRO concentrations in excess of the Wisconsin Department of Natural Resources (WDNR) site investigation guideline of 10 ppm in all three samples. Advent notified the WDNR of this release on August 27, 1999. Advent recommends investigating the extent of this petroleum release.



LEGEND:

S-1⊠ SOIL SAMPLE LOCATION AND NUMBER

DRAWN BY: KRK	FIGURE #2 DETAIL SHEET
APPROVED BY:	SITE LAYOUT PLAN
DATE: 9/8/99	JEFFERSON COUNTY HIGHWAY DEPARTMENT
PROJECT #990090.00A	INTERSECTION OF COUNTY HIGHWAYS E AND CI
REVISION #	SULLIVAN, WISCONSIN
	ADVENT
	ENVIRONMENTAL SERVICES, INC.

APPENDIX A

Checklist for Tank Closure (Form ERS – 8951) and Underground Flammable/Combustible Liquid Storage Tank Inventory (Form ERS – 7437)

Complete one form for each site closure.

The information you provide may be used for secondary purposes (Privacy Law, s. 15.04 (1)(m)).

CHECKLIST FOR TANK CLOSURE

CHECK ONE: ☒ UNDERGROUND ☐ ABOVEGROUND

FOR PORTIONS OF THE FORM THAT DO NOT APPLY, CHECK THE N/A BOX BELOW

RETURN COMPLETED CHECKLIST
Wisconsin Department of Commerce
ERS Division
Bureau of Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837

A. IDENTIFICATION: (Please Print) Indicate whether closure is for: ☒ Tank System ☐ Tank Only ☐ Piping Only

1. Site Name	2. Owner Name
INTERSECTION OF COUNTY ROADS E & CT	JEFFERSON COUNTY HIGHWAY DEP
Site Street Address (not P.O. Box)	Owner Street Address
N 1003 COUNTY HWY CT	141 WEST WOODCOCK ST
☐ City ☐ Village ☒ Town of: SULLIVAN	☒ City ☐ Village ☐ Town of: JEFFERSON
State: WI Zip Code: 53137 County: JEFFERSON	State: WI Zip Code: 5354 County: JEFFERSON Telephone No. (include area code): (920) 723-1391
3. Closure Company Name (print): DUENT ENVIRONMENTAL SERVICES	Closure Company Street Address: P.O. BOX 277
Closure Company Telephone No. (include area code): (414) 371-5020	Closure Company City, State, Zip Code: MEQUON WI 53092-0277
4. Name of Company Performing Closure Assessment: DUENT ENVIRONMENTAL SERVICES	Assessment Company Street Address, City, State, Zip Code: P.O. BOX 277 MEQUON WI 53092-0277
Telephone No. (include area code): (414) 371-5020	Certified Assessor Name (print): KONRAD WEISS
Assessor Signature:	Assessor Certification No.: 4161

Tank ID #	Closure	Temp. Closure	Closure In Place	Tank Capacity	Contents*	Closure Assessment
1. A	☒	☐	☐	300	LEADED	☒ Y ☐ N
2. B	☒	☐	☐	1000	LEADED	☒ Y ☐ N
3	☐	☐	☐			☐ Y ☐ N
4.	☐	☐	☐			☐ Y ☐ N

Indicate which product: Diesel; Leaded; Unleaded; Fuel Oil; Gasohol; Aviation Fuel; Kerosene; Premix; Waste/Used Motor Oil; Flammable/Combustible Hazardous Waste; Chemical (indicate the chemical name(s) _____ and CAS number(s) _____ ; Other _____

Written notification was provided to the local agent 15 days in advance of closure date.	☒ Y	☐ N	☐ N
All local permits were obtained before beginning closure.	☒ Y	☐ N	☐ N

Check applicable box at right in response to all statements in Sections B-E.

	Remover Verified	Inspector Verified	N
B. TEMPORARILY OUT OF SERVICE			
Written inspector approval of temporary closure obtained, which is effective until (provide date) _____	☐ Y ☐ N	☐	☐
1. Product Removed			
a. Product lines drained into tank (or other container) and resulting liquid removed, AND	☐ Y ☐ N	☐	☐
b. All product removed to bottom of suction line, OR	☐ Y ☐ N	☐	☐
c. All product removed to within 1" of bottom.	☐ Y ☐ N	☐	☐
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	☐ Y ☐ N	☐	☐
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	☐ Y ☐ N	☐	☐
4. Dispensers/pumps left in place but locked and power disconnected.	☐ Y ☐ N	☐	☐
5. Vent lines left open.	☐ Y ☐ N	☐	☐
6. Inventory form filed indicating temporary closure.	☐ Y ☐ N	☐	☐
C. CLOSURE BY REMOVAL			
1. Product from piping drained into tank (or other container).	☒ Y ☐ N	☐	☐
2. Piping disconnected from tank and removed.	☒ Y ☐ N	☐	☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☒ Y ☐ N	☐	☐
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☒ Y ☐ N	☐	☐
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	☒ Y ☐ N	☐	☐
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.			
6. Vent lines left connected until tanks purged.	☒ Y ☐ N	☐	☐
7. Tank openings temporarily plugged so vapors exit through vent.	☒ Y ☐ N	☐	☐
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	☒ Y ☐ N	☐	☐
9. Tank removed from excavation after PURGING/INERTING, placed on level ground and blocked to prevent movement.	☒ Y ☐ N	☐	☐
10. Tank cleaned before being removed from site.	☒ Y ☐ N	☐	☐

CLOSURE BY REMOVAL (continued)

	Remover Verified	Inspector Verified	NA
11. Tank labeled in 2" high letters after removal but before being moved from site. NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE	☒Y ☐N	☐	☐
12. Tank vent hole (1/8 in uppermost part of tank) installed prior to moving the tank from site	☒Y ☐N	☐	☒
13. Form ERS-7437 or ERS-8731 filed by owner with the Dept. of Commerce indicating closure by removal.	☒Y ☐N	☐	☐
14. Site security is provided while the excavation is open.	☒Y ☐N	☐	☐

D. CLOSURE IN PLACE

NOTE: CLOSURES IN PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF COMMERCE OR LOCAL AGENT.

1. Product from piping drained into tank (or other container)	☐Y ☐N	☐	☐
2. Piping disconnected from tank and removed.	☐Y ☐N	☐	☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☐Y ☐N	☐	☐
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☐y ☐N	☐	☐
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	☐Y ☐N	☐	☐
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR - EDUCTOR OUTPUT 12 FT. ABOVE GRADE.			
6. Vent lines left connected until tanks purged.	☐Y ☐N	☐	☐
7. Tank openings temporarily plugged so vapors exit through vent.	☐Y ☐N	☐	☐
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) see Section F.	☐Y ☐N	☐	☐
9. Tank properly cleaned to remove all sludge and residue.	☐Y ☐N	☐	☐
10. Solid inert material (sand, cyclone boiler slag, pea gravel recommended) introduced and tank filled.	☐Y ☐N	☐	☐
11. Vent line disconnected or removed.	☐Y ☐N	☐	☐
12. Inventory form filed by owner with the Department of Commerce indicating closure in place.	☐Y ☐N	☐	☐

E. CLOSURE ASSESSMENTS

NOTE: DETERMINE IF A CLOSURE ASSESSMENT IS REQUIRED BY REFERRING TO COMM 10.

1. Individual conducting the assessment has a closure assessment plan (written) which is used as the basis for their work on the site.	☒Y ☐N	☐	☐
2. Do points of obvious contamination exist?	☐Y ☒N	☐	☐
3. Are there strong odors in the soils?	☐Y ☒N	☐	☐
4. Was a field screening instrument used to pre-screen soil sample locations?	☐Y ☒N	☐	☐
5. Was a closure assessment omitted because of obvious contamination?	☐Y ☒N	☐	☐
6. Was the DNR notified of suspected or obvious contamination?	☐Y ☒N	☐	☐

Agency, office and person contacted: _____

7. Contamination suspected because of: ☐Odor ☐Soil Staining ☐Free Product ☐Sheen on Groundwater ☐Field Instrument Test

F. METHOD OF ACHIEVING 10% LEVEL DESCRIPTION

☒Eductor Or Diffused Air Blower
Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground.
Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.

☐Dry Ice
Dry Ice introduced at 1.5 pounds per 100 gallons of tank capacity. Dry Ice crushed and distributed over the greatest possible tank area.
Dry ice evaporated before proceeding.

☐Inert Gas (CO/2 or N/2) NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT.
Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent.
Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

☒Tank atmosphere monitored for flammable or combustible vapor levels.
Calibrate combustible gas indicator. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank. Readings of 10% or less of the lower flammable range (LEL) obtained before removing tank from ground.

G. NOTE SPECIFIC PROBLEMS OR NONCOMPLIANCE ISSUES BELOW

No Inspection Out Site

H. REMOVER/CLEANER INFORMATION

Remover Name (print)	Remover Signature	Remover Certification No.	Date Signed
RICKY K KLEBEAN	Ricky K Klebean	41650	8-12-99

I. INSPECTOR INFORMATION

Inspector Name (print)	Inspector Signature	Inspector Certification No.
Bill Shafer	Bill Shafer	36265

DID # For Location Where Inspection Performed	Inspector Telephone Number	Date Signed
2803	608-785-9052	8-12-99

Reg Obj #:

UNDERGROUND FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? ☐ Yes ☒ No If yes, are you correcting/updating information only? ☐ Yes ☐ No
Personal information you provide may be used for secondary purposes. [Privacy Law, s. 15.04 (1)(m)]

This registration applies to a tank that is (check one):
☐ In Use ☒ Closed - Tank Removed ☐ Ownership Change (Indicate new owner name in block 2)
☐ Newly Installed ☐ Closed - Filled with Inert Materials
☐ Abandoned with Product ☐ Temporary Out of Service - Provide Date:
☐ Abandoned without Product (empty) ☐ Abandon with Water

Fire Department providing fire coverage where tank is located:
☐ City ☒ Village ☐ Town of: Rome

A. IDENTIFICATION (Please Print)

1. Tank Site Name	Site Address	Site Telephone Number
Intersection of County Roads E & CI	W1003 County Highway CI	(920) 723-1391
☐ City ☐ Village ☒ Town of: Sullivan	State: Wisconsin	Zip Code: 53137
		County: Jefferson

2. Tank Owner Name	Mailing Address	Telephone Number
Jefferson County Highway Dept	141 W. Woolcock St	(920) 723-1391
☒ City ☐ Village ☐ Town of: Jefferson	State: Wisconsin	Zip Code: 53549
		County: Jefferson

3. Previous Name	Previous site address if different than #1
NA	NA

a. Site ID #:	Facility ID #:	Customer ID #:
NA	NA	NA

4. Tank Age (age or date installed):	5. Tank Capacity (gallons):
Unknown	1,000

B. LAND OWNER TYPE (check one)
☒ County ☐ Federal Leased ☐ Federal Owned ☐ Municipal ☐ Other Government
☐ Private ☐ State ☐ Tribal Nation

C. OCCUPANCY TYPE (check one)
☒ Gas/Retail Sales ☐ Bulk Storage ☐ Utility ☐ Mercantile/Commercial ☐ Industrial ☐ School ☐ Residential
☐ Agricultural ☐ Backup or Emergency Generator ☐ Other (Specify:)

D. Tank Construction:
☐ Bare Steel ☐ Coated Steel ☐ Unknown
☐ Fiberglass ☐ Steel – Fiberglass Reinforced Plastic Composite
☐ Lined (Date) ☐ Other (specify)

Cathodic Protection
☐ Sacrificial Anodes
☐ Impressed Current
☒ N/A

Overfill Protection? ☐ Yes ☒ No
Spill Containment? ☐ Yes ☒ No
Tank Double Walled? ☐ Yes ☒ No

E. Primary Tank leak detection method
Inventory control and tightness testing
Manual tank gauging (only for tanks of 1,000 gallons or less)
☐ Automatic tank gauging
☐ Interstitial monitoring
☐ Statistical Inventory Reconciliation (SIR)
☐ Groundwater monitoring
☐ Vapor monitoring
☒ Unknown

F. Piping Construction:
☐ Bare Steel ☐ Coated Steel ☐ Unknown
☐ Fiberglass ☐ Flexible ☐ N/A
☐ Other (specify)

Cathodic Protection
☐ Sacrificial Anodes
☐ Impressed Current
☒ N/A

Pipe Double Walled? ☐ Yes ☒ No

Primary Piping System Type: ☐ Pressurized piping with ➡ A. ☐ auto shutoff; B. ☐ alarm or C ☐ flow restrictor ☒ Unknown
☐ Suction piping with check valve at tank ☐ Suction piping with check valve at pump and inspectable ☐ Not needed if waste oil

Piping Leak Detection Method (used if pressurized or check valve at tank): ☐ SIR ☐ Tightness testing ☐ Electronic line leak monitor
☐ Groundwater monitoring ☐ Vapor monitoring ☐ Interstitial monitoring ☐ Not required ☒ Unknown

G. Vapor Recovery/Stage II CARB #:
☐ Fiberglass ☒ Other (specify): NA ☐ Flexible ☐ Operational - Provide Date (mo/day/yr):

H. TANK CONTENTS (Current, or previous product if tank now empty)
☐ Diesel ☒ Leaded ☐ Unleaded ☐ Fuel Oil ☐ Gasohol
☐ Other (Specify): ☐ Empty ☐ Sand/Gravel/Slurry* ☐ Unknown* ☐ Premix
☐ Waste Used Motor Oil ☐ Chemical ☐ Kerosene ☐ Aviation ☐ Hazardous Waste*
(Indicate chemical name and number)

If chosen, this tank is NOT PECFA eligible.

Geo Latitude:	Geo Longitude:
NA	NA

If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr): August 12, 1999

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

Owner or Operator Name (please print): Jefferson Highway Partner (Randy Kuhl)

Indicate whether:
☒ Owner or ☐ Operator

Owner or Operator Signature: County rep. Randy Kuhl

Date Signed: 8/12/99

*: Refer to comments on reverse side of form.

Reg Obj #:

UNDERGROUND FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? ☐ Yes ☒ No If yes, are you correcting/updating information only? ☐ Yes ☐ No
Personal information you provide may be used for secondary purposes. (Privacy Law, s. 15.04 (1)(m))

This registration applies to a tank that is (check one):
☐ In Use ☐ Newly Installed ☐ Abandoned with Product ☐ Abandoned without Product (empty)
☒ Closed - Tank Removed ☐ Closed - Filled with Inert Materials ☐ Temporary Out of Service - Provide Date: ☐ Abandon with Water
☐ Ownership Change (Indicate new owner name in block 2).

Fire Department providing fire coverage where tank is located:
☐ City ☒ Village ☐ Town of: ROME

A. IDENTIFICATION (Please Print)

1. Tank Site Name: EGCI
Site Address: W1003 COUNTY HWY CI
Site Telephone Number: (920) 723-1391
☐ City ☐ Village ☒ Town of: SULLIVAN
State: WI Zip Code: 53137 County: JEFFERSON

2. Tank Owner Name: JEFFERSON CTY HWY DEPT.
Mailing Address: 141 WEST WOOLCOCK ST
Telephone Number: 920, 723-1391
☒ City ☐ Village ☐ Town of: JEFFERSON
State: WI Zip Code: 53549 County: JEFFERSON

3. Previous Name
Previous site address if different than #1

B. Site ID #: Facility ID #: Customer ID #:

4. Tank Age (age or date installed): UNKNOWN
5. Tank Capacity (gallons): 300

C. LAND OWNER TYPE (check one)
☒ County ☐ Private ☐ Federal Leased ☐ State ☐ Federal Owned ☐ Tribal Nation ☐ Municipal ☐ Other Government

D. OCCUPANCY TYPE (check one)
☒ Gas/Retail Sales ☐ Agricultural ☐ Bulk Storage ☐ Backup or Emergency Generator ☐ Utility ☐ Other (Specify:) ☐ Mercantile/Commercial ☐ Industrial ☐ School ☐ Residential

Tank Construction:
☒ Bare Steel ☐ Fiberglass ☐ Lined (Date) ☐ Coated Steel ☐ Steel – Fiberglass Reinforced Plastic Composite ☐ Other (specify). ☐ Unknown

Cathodic Protection
☐ Sacrificial Anodes ☐ Impressed Current ☒ N/A

Overfill Protection? ☐ Yes ☒ No
Spill Containment? ☐ Yes ☒ No
Tank Double Walled? ☐ Yes ☒ No

Primary Tank leak detection method
☐ Inventory control and tightness testing ☐ Manual tank gauging (only for tanks of 1,000 gallons or less) ☐ Automatic tank gauging ☐ Interstitial monitoring ☐ Statistical Inventory Reconciliation (SIR) ☐ Groundwater monitoring ☐ Vapor monitoring ☒ Unknown

Piping Construction:
☐ Bare Steel ☐ Fiberglass ☐ Other (specify) ☐ Coated Steel ☐ Flexible ☐ Unknown ☐ N/A

Cathodic Protection
☐ Sacrificial Anodes ☐ Impressed Current ☒ N/A

Pipe Double Walled? ☐ Yes ☒ No

Primary Piping System Type: ☐ Pressurized piping with ☐ A. ☐ auto shutoff; B. ☐ alarm or C. ☐ flow restrictor ☒ Unknown
☐ Suction piping with check valve at tank ☐ Suction piping with check valve at pump and inspectable ☐ Not needed if waste oil

Piping Leak Detection Method. (used if pressurized or check valve at tank): ☐ SIR ☐ Tightness testing ☐ Electronic line leak monitor
☐ Groundwater monitoring ☐ Vapor monitoring ☐ Interstitial monitoring ☐ Not required ☒ Unknown

Vapor Recovery/Stage II CARB #:
☐ Fiberglass ☐ Other (specify): ☐ Flexible ☐ Operational - Provide Date (mo/day/yr): N/A

TANK CONTENTS (Current, or previous product if tank now empty)
☐ Diesel ☐ Other (Specify): ☐ Waste/Used Motor Oil
☒ Leaded ☐ Empty ☐ Chemical (Indicate chemical name and number)
☐ Unleaded ☐ Sand/Gravel/Slurry* ☐ Kerosene
☐ Fuel Oil ☐ Unknown* ☐ Aviation
☐ Gasohol ☐ Premix ☐ Hazardous Waste*

If chosen, this tank is NOT PECFA eligible.

Geo Latitude: N/A Geo Longitude: N/A

If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr): 8-12-99

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

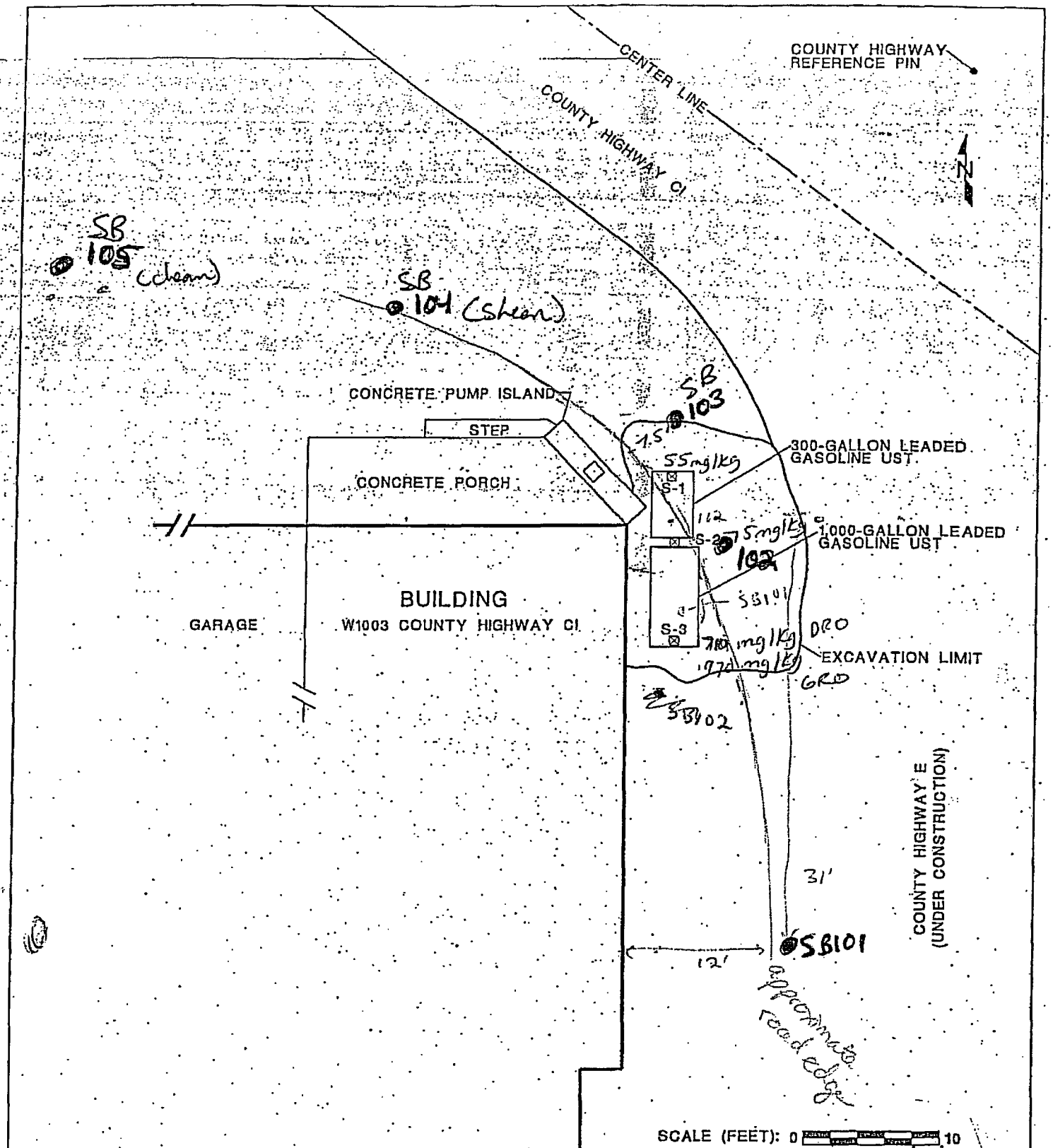
Owner or Operator Name (please print): JEFFERSON CTY HWY DEPT. (RANDY KUHL)

Indicate whether:
☒ Owner or ☐ Operator

Owner or Operator Signature: County rep. Randy Kuhl

Date Signed: 8-12-99

*: Refer to comments on reverse side of form.



LEGEND:

S-1⊠ SOIL SAMPLE LOCATION AND NUMBER

DRAWN BY: KRK	FIGURE #2 DETAIL SHEET
APPROVED BY:	SITE LAYOUT PLAN
DATE: 9/8/99	JEFFERSON COUNTY HIGHWAY DEPARTMENT
PROJECT #990090.00A	INTERSECTION OF COUNTY HIGHWAYS E AND CI
REVISION #	SULLIVAN, WISCONSIN
	ADVENT
	ENVIRONMENTAL SERVICES, INC.

ATTACHMENT C

Soil Boring Log and Borehole Abandonment Forms

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Jeffery Property		SB-101

Boring Drilled By: Name of crew chief (first/last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Tony Last Name: Kapugi Firm: On-Site Environmental	11/15/2010 (m m d d y y y y)	11/15/2010 (m m d d y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
Lat ° ' " Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Facility ID	County	County Code	Civil Town/City/ or Village
	Jefferson		Sullivan

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	60/60		1	0'-1' TOPSOIL, Silt w/sand, dark brown, moist, no odor or staining				0.2	5					
			2	1'-8' SAND (SP), yellowish brown, fine to medium, very moist, no odor or staining	SP		riser	0.0						
			3					2.5	5					
			4	@ 4' wet				0.0						
			5											
2 CS	60/60		6											
			7											
			8	8'-10' SILT (ML), light grayish brown, wet, no odor or staining	ML		Screen 5'-10'							Sample GW for PVOCs + naphthalene
			9											
			10	End of Boring @ 10'										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Pam Tri Firm Saga Environmental + Engr.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Jeffery Property		SB-102

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Tony Last Name: Caprugi Firm: On-Site Environmental	11/15/2010 (m m d d y y y y)	11/15/2010 (m m d d y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Jefferson		Sullivan

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	60/60		1	0-0.5 TOPSOIL, silt w/sand dark brown, moist, trace rootlets, no odor or staining				0.2						
			2	0.5'-5' SILT (ML), light brown, very moist, no odor or staining	ML			0.0						
			3					2.5						
			4					0.0						
			5	5'-6' SAND (SP), brown, fine to medium sand, wet, no odor or staining	SP									
2 CS	60/60		6	6'-8' SILT (ML), light brown, wet, no odor or staining	ML									
			7	8'-9' CLAY (CL), light grayish brown, wet, no odor or staining	CL									
			8	9'-10' SILT (ML), light brownish gray, wet, no odor or staining	ML									
			9											
			10	End of Boring @ 10'										

Sample GW for PVOCs + naphthalene, lead

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Saga Environmental + Engr.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name: Jeffery Property	License/Permit/Monitoring Number	Boring Number: SB103	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Tony Last Name: Icapugi — Firm: On-Site Environmental	Date Drilling Started: 11/15/2010 (m m d d y y y y)	Date Drilling Completed: 11/15/2010	Drilling Method: Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: _____ Feet MSL	Surface Elevation: _____ Feet MSL	Borehole Diameter: 2 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E	Lat ° ' " — Long ° ' "	Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W	
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____			
Facility ID	County: Jefferson	County Code	Civil Town/City/ or Village: Sullivan		

Sample: Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	60/60		1	3" Asphalt 3"-8' SAND (SP), brown, fine to medium sand, very moist, no odor or staining	SP		riser	0.2.5 0.0 2.5-5 0.0						
			2											
			3											
			4											
			5	@5' Wet										
2 CS	60/60		6											
			7											
			8	8'-10' SILT (ML), light grayish brown, wet, no odor or staining										
			9											
			10	End of Boring @ 10'		Screen 5'-10'								Sample GW for pVOCs + naphthalene, Lead

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Dan R. Firm: Saga Environmental + Engineering, Inc.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name: Jeffery Property	License/Permit/Monitoring Number	Boring Number: SB104	
Boring Drilled By: Name of crew chief (first/last) and Firm — First Name: Tony Last Name: Caputi — Firm: On-Site Environmental	Date Drilling Started: 11/15/2010	Date Drilling Completed: 11/15/2010	Drilling Method: Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: _____ Feet MSL	Surface Elevation: _____ Feet MSL	Borehole Diameter: 2 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E	Lat ° ' " — Long ° ' "	Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W	
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____			
Facility ID	County: Jefferson	County Code	Civil Town/City/ or Village: Sullivan		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	60/60		1	3" Gravel										
			2	3"-10' SAND (SP), brown, fine to medium sand, very moist, no odor or staining			riser	0.2-5						
			3		SP			0.0						
			4					2.5-5						
			5	@ 5' wet		Screen 5'-10'		0.0						
2 CS	60/60		6											
			7											
			8	@ 8'-8.5' some black staining in saturated sand										
			9											Sample GW for PVOCs + naphthalene, Lead
			10	End of Boring @ 10'										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Dan Ri — Firm: Saga Environmental + Engineering

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name: Jeffery Property	License/Permit/Monitoring Number		Boring Number: SB105
Boring Drilled By: Name of crew chief (first/last) and Firm — First Name: Tony Last Name: Icaprigi — Firm: On-Site Environmental	Date Drilling Started: 11/15/2010	Date Drilling Completed: 11/15/2010	Drilling Method: Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: _____ Feet MSL	Surface Elevation: _____ Feet MSL	Borehole Diameter: 2 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E	Lat ° ' "	Long ° ' "	Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____			
Facility ID	County: Jefferson	County Code	Civil Town/City/ or Village: Sullivan

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 CS	60/60		1	3" gravel				0-2.5						
			2	3" – 10' SAND (SP), brown, fine to medium sand, very moist, no odor or staining			1" Sch	0.0						
			3					2.5-5						
			4		SP			0.0						
			5	@ 5' Wet										
2 CS	60/60		6			Screen 5'-10'								
			7											
			8											
			9											Sample GW for PVOCs + naphthalene, Lead
			10	End of Boring @ 10'										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: Saga Environmental + Engr.

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State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08) Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	~~Hicap~~# Well Id.
Waukesha	_ _ _ _ _	SB101

Lattitude / Longitude (Degrees and Minutes) — Method Code (see instructions)

__ __ ° __ __ . __ __ __ 'N
__ __ ° __ __ . __ __ __ 'W

¼/¼	¼	Section	Township	Range	
or Gov't Lot #			N		☐ E ☐ W

Well Street Address: W1003 County Rd. CI

Well City, Village or Town: Sullivan, WI — Well ZIP Code: 53156

Subdivision Name — Lot #

Reason For Removal From Service: Done with investigation — WI Unique Well # of Replacement Well: _ _ _ _ _

2. Facility / Owner Information

Facility Name: Jeffery Property

Facility ID (FID or PWS)

License/Permit/Monitoring #

Original Well Owner: Thomas Jeffery

Present Well Owner: Thomas Jeffery

Mailing Address of Present Owner: W1003 County Rd. CI

City of Present Owner: Palmyra — State: WI — ZIP Code: 53156

3. Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 11/15/10

If a Well Construction Report is available, please attach.

Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify):

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
10	1
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2	10

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)? — Depth to Water (feet): 5

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite	Surface	10		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Paula Richardson		11/15/10

Street or Route: 146 E. Milwaukee St. — Saga Environmental — Telephone Number: (920)674-3411

City: Jefferson — State: WI — ZIP Code: 53549 — Signature of Person Doing Work — Date Signed: 1/17/10

DNR Use Only

Date Received — Noted By — Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County: Waukesha
WI Unique Well # of Removed Well:
~~Hcap~~ # Well Id: SB102
Latitude / Longitude (Degrees and Minutes): __ __ ° __ __ . __ __ __ 'N / __ __ ° __ __ . __ __ __ 'W
Method Code (see Instructions):
¼ / ¼ | ¼ | Section | Township | Range ☐ E ☐ W
or Gov't Lot #
Well Street Address: W1003 County Rd. CI
Well City, Village or Town: Sullivan, WI
Well ZIP Code: 53156
Subdivision Name:
Lot #:
Reason For Removal From Service: Done with investigation
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Jeffery Property
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Thomas Jeffery
Present Well Owner: Thomas Jeffery
Mailing Address of Present Owner: W1003 County Rd. CI
City of Present Owner: Palmyra
State: WI
ZIP Code: 53156

3. Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole
Original Construction Date (mm/dd/yyyy): 11/15/10
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify):

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 10
Casing Diameter (in.): 1
Lower Drillhole Diameter (in.): 2
Casing Depth (ft.): 10

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet): 5

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite	Surface	10		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Paula Richardson
License #:
Date of Filling & Sealing (mm/dd/yyyy): 11/15/10
Street or Route: 146 E. Milwaukee St.
Saga Environmental
Telephone Number: (920) 674-3411
City: Jefferson
State: WI
ZIP Code: 53549
Signature of Person Doing Work:
Date Signed: 1/17/10

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment ☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap# well id
Waukesha	_ _ _ _ _ _	SB103

Latitude / Longitude (Degrees and Minutes) — Method Code (see instructions)

__ ° __ __ . __ __ __ 'N
__ ° __ __ . __ __ __ 'W

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: W1003 County Rd. CI

Well City, Village or Town: Sullivan, WI — Well ZIP Code: 53156

Subdivision Name — Lot #

Reason For Removal From Service: Done with investigation — WI Unique Well # of Replacement Well: _ _ _ _ _

2. Facility / Owner Information

Facility Name: Jeffery Property

Facility ID (FID or PWS)

License/Permit/Monitoring #

Original Well Owner: Thomas Jeffery

Present Well Owner: Thomas Jeffery

Mailing Address of Present Owner: W1003 County Rd. CI

City of Present Owner: Palmyra — State: WI — ZIP Code: 53156

3. Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 11/15/10

If a Well Construction Report is available, please attach.

Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify):

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
10	1
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2	10

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?

Depth to Water (feet): 5

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite	Surface	10		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Paula Richardson		11/15/10

Street or Route: Saga Environmental 146 E. Milwaukee St.

Telephone Number: (920)674-3411

City: Jefferson — State: WI — ZIP Code: 53549

Signature of Person Doing Work

Date Signed: 1/17/10

DNR Use Only

Date Received	Noted By
Comments	

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08) Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County: Waukesha
WI Unique Well # of Removed Well:
Heap# well id: SB104
Latitude / Longitude (Degrees and Minutes): __ __ ° __ __ . __ __ __ 'N / __ __ ° __ __ . __ __ __ 'W
Method Code (see instructions):
¼ ¼ | ¼ | Section | Township | Range ☐ E ☐ W
or Gov't Lot #
Well Street Address: W1003 County Rd. CI
Well City, Village or Town: Sullivan, WI
Well ZIP Code: 53156
Subdivision Name:
Lot #:
Reason For Removal From Service: Done with Investigation
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Jeffery Property
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Thomas Jeffery
Present Well Owner: Thomas Jeffery
Mailing Address of Present Owner: W1003 County Rd. CI
City of Present Owner: Palmyra
State: WI
ZIP Code: 53156

3. Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole
Original Construction Date (mm/dd/yyyy): 11/15/10
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify):

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 10
Casing Diameter (in.): 1
Lower Drillhole Diameter (in.): 2
Casing Depth (ft.): 10

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet): 5

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry * *
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite	Surface	10		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Paula Richardson
License #:
Date of Filling & Sealing (mm/dd/yyyy): 11/15/10
Street or Route: 146 E. Milwaukee St.
Saga Environmental
Telephone Number: (920) 674-3411
City: Jefferson
State: WI
ZIP Code: 53549
Signature of Person Doing Work:
Date Signed: 1/17/10

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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☐ **Verification Only of Fill and Seal**

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County: Waukesha
WI Unique Well # of Removed Well:
Heap# Well 4 SB105
Latitude / Longitude (Degrees and Minutes) — — ° — — . — — — 'N / — — ° — — . — — — 'W
Method Code (see Instructions)
¼ ¼ ¼ or Gov't Lot #
Section
Township N
Range ☐ E ☐ W
Well Street Address: W1003 County Rd. CI
Well City, Village or Town: Sullivan, WI
Well ZIP Code: 53156
Subdivision Name
Lot #
Reason For Removal From Service: Done with investigation
WI Unique Well # of Replacement Well

2. Facility / Owner Information

Facility Name: Jeffery Property
Facility ID (FID or PWS)
License/Permit/Monitoring #
Original Well Owner: Thomas Jeffery
Present Well Owner: Thomas Jeffery
Mailing Address of Present Owner: W1003 County Rd. CI
City of Present Owner: Palmyra
State: WI
ZIP Code: 53156

3. Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole
Original Construction Date (mm/dd/yyyy): 11/15/10
If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify):

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 10
Casing Diameter (in.): 1
Lower Drillhole Diameter (in.): 2
Casing Depth (ft.): 10

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet): 5

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☒ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	10		

Granular Bentonite

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Paula Richardson
License #
Date of Filling & Sealing (mm/dd/yyyy): 11/15/10
Street or Route: 146 E. Milwaukee St.
Telephone Number: (920) 674-3411
City: Jefferson
State: WI
ZIP Code: 53549
Signature of Person Doing Work
Date Signed: 1/17/10

DNR Use Only
Date Received
Noted By
Comments

ATTACHMENT D

Laboratory Analytical Reports

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November 24, 2010

Paula Richardson
Saga Environmental and Engineering, Inc.
146 E. Milwaukee St.
Jefferson, WI 53549

RE: Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Dear Paula Richardson:
Enclosed are the analytical results for sample(s) received by the laboratory on November 18, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Alee Her

Alee Her

alee.her@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

ACCREDITED IN ACCORDANCE WITH nelac

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CERTIFICATIONS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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SAMPLE SUMMARY

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4039771001	**SB101**	Water	11/15/10 11:00	11/18/10 09:00
4039771002	**SB102**	Water	11/15/10 12:00	11/18/10 09:00
4039771003	**SB103**	Water	11/15/10 13:00	11/18/10 09:00
4039771004	**SB104**	Water	11/15/10 14:00	11/18/10 09:00
4039771005	**SB105**	Water	11/15/10 15:00	11/18/10 09:00
4039771006	**TRIP BLANK**	Water	11/15/10 00:00	11/18/10 09:00

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SAMPLE ANALYTE COUNT

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4039771001	**SB101**	WI MOD GRO	SES	9	PASI-G
4039771002	**SB102**	WI MOD GRO	SES	9	PASI-G
		EPA 6010	DLB	1	PASI-G
4039771003	**SB103**	WI MOD GRO	SES	9	PASI-G
		EPA 6010	DLB	1	PASI-G
4039771004	**SB104**	WI MOD GRO	SES	9	PASI-G
		EPA 6010	DLB	1	PASI-G
4039771005	**SB105**	WI MOD GRO	SES	9	PASI-G
		EPA 6010	DLB	1	PASI-G
4039771006	**TRIP BLANK**	WI MOD GRO	SES	9	PASI-G

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Sample: SB101 **Lab ID: 4039771001** Collected: 11/15/10 11:00 Received: 11/18/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**0.42J**	ug/L	1.0	0.39	1		11/19/10 10:53	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		11/19/10 10:53	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		11/19/10 10:53	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 10:53	91-20-3	
Toluene	**0.85J**	ug/L	1.0	0.42	1		11/19/10 10:53	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		11/19/10 10:53	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 10:53	108-67-8	
Xylene (Total)	**<1.3**	ug/L	3.0	1.3	1		11/19/10 10:53	1330-20-7	
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		11/19/10 10:53	98-08-8	pH

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Sample: SB102 **Lab ID: 4039771002** Collected: 11/15/10 12:00 Received: 11/18/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.39**	ug/L	1.0	0.39	1		11/19/10 11:18	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		11/19/10 11:18	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		11/19/10 11:18	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 11:18	91-20-3	
Toluene	**0.62J**	ug/L	1.0	0.42	1		11/19/10 11:18	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		11/19/10 11:18	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 11:18	108-67-8	
Xylene (Total)	**<1.3**	ug/L	3.0	1.3	1		11/19/10 11:18	1330-20-7	
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		11/19/10 11:18	98-08-8	pH
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<1.7**	ug/L	7.5	1.7	1		11/19/10 16:28	7439-92-1	

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Sample: SB103 **Lab ID: 4039771003** Collected: 11/15/10 13:00 Received: 11/18/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**0.50J**	ug/L	1.0	0.39	1		11/19/10 11:44	71-43-2	
Ethylbenzene	**0.45J**	ug/L	1.0	0.41	1		11/19/10 11:44	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		11/19/10 11:44	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 11:44	91-20-3	
Toluene	**1.4**	ug/L	1.0	0.42	1		11/19/10 11:44	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		11/19/10 11:44	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 11:44	108-67-8	
Xylene (Total)	**<1.3**	ug/L	3.0	1.3	1		11/19/10 11:44	1330-20-7	
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		11/19/10 11:44	98-08-8	pH
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<1.7**	ug/L	7.5	1.7	1		11/19/10 16:40	7439-92-1	

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Sample: SB104 **Lab ID: 4039771004** Collected: 11/15/10 14:00 Received: 11/18/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.78**	ug/L	2.0	0.78	2		11/23/10 08:34	71-43-2	
Ethylbenzene	**17.3**	ug/L	2.0	0.83	2		11/23/10 08:34	100-41-4	
Methyl-tert-butyl ether	**<0.76**	ug/L	2.0	0.76	2		11/23/10 08:34	1634-04-4	
Naphthalene	**4.9**	ug/L	2.0	0.81	2		11/23/10 08:34	91-20-3	
Toluene	**2.8**	ug/L	2.0	0.83	2		11/23/10 08:34	108-88-3	
1,2,4-Trimethylbenzene	**14.1**	ug/L	2.0	0.86	2		11/23/10 08:34	95-63-6	
1,3,5-Trimethylbenzene	**7.1**	ug/L	2.0	0.79	2		11/23/10 08:34	108-67-8	
Xylene (Total)	**21.4**	ug/L	6.0	2.5	2		11/23/10 08:34	1330-20-7	
a,a,a-Trifluorotoluene (S)	152	%	80-120		2		11/23/10 08:34	98-08-8	D3,HS, S7,pH
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**2.0J**	ug/L	7.5	1.7	1		11/19/10 16:44	7439-92-1	

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Sample: SB105 **Lab ID: 4039771005** Collected: 11/15/10 15:00 Received: 11/18/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**0.45J**	ug/L	1.0	0.39	1		11/19/10 20:14	71-43-2	
Ethylbenzene	**2.8**	ug/L	1.0	0.41	1		11/19/10 20:14	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		11/19/10 20:14	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 20:14	91-20-3	
Toluene	**1.0**	ug/L	1.0	0.42	1		11/19/10 20:14	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		11/19/10 20:14	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 20:14	108-67-8	
Xylene (Total)	**<1.3**	ug/L	3.0	1.3	1		11/19/10 20:14	1330-20-7	
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		11/19/10 20:14	98-08-8	pH
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<1.7**	ug/L	7.5	1.7	1		11/19/10 16:48	7439-92-1	

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Sample: TRIP BLANK **Lab ID: 4039771006** Collected: 11/15/10 00:00 Received: 11/18/10 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.39**	ug/L	1.0	0.39	1		11/19/10 20:39	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		11/19/10 20:39	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		11/19/10 20:39	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 20:39	91-20-3	
Toluene	**<0.42**	ug/L	1.0	0.42	1		11/19/10 20:39	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		11/19/10 20:39	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		11/19/10 20:39	108-67-8	
Xylene (Total)	**<1.3**	ug/L	3.0	1.3	1		11/19/10 20:39	1330-20-7	
a,a,a-Trifluorotoluene (S)	105	%	80-120		1		11/19/10 20:39	98-08-8	

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QUALITY CONTROL DATA

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

QC Batch: GCV/5925 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 4039771001, 4039771002, 4039771003, 4039771004, 4039771005, 4039771006

METHOD BLANK: 386638 Matrix: Water
Associated Lab Samples: 4039771001, 4039771002, 4039771003, 4039771004, 4039771005, 4039771006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.43	1.0	11/19/10 09:10	
1,3,5-Trimethylbenzene	ug/L	<0.40	1.0	11/19/10 09:10	
Benzene	ug/L	<0.39	1.0	11/19/10 09:10	
Ethylbenzene	ug/L	<0.41	1.0	11/19/10 09:10	
Methyl-tert-butyl ether	ug/L	<0.38	1.0	11/19/10 09:10	
Naphthalene	ug/L	<0.40	1.0	11/19/10 09:10	
Toluene	ug/L	<0.42	1.0	11/19/10 09:10	
Xylene (Total)	ug/L	<1.3	3.0	11/19/10 09:10	
a,a,a-Trifluorotoluene (S)	%	104	80-120	11/19/10 09:10	

LABORATORY CONTROL SAMPLE & LCSD: 386639 386640

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.8	20.8	104	104	80-120	.4	20	
1,3,5-Trimethylbenzene	ug/L	20	20.9	20.9	105	105	80-120	.07	20	
Benzene	ug/L	20	20.9	20.8	105	104	80-120	.5	20	
Ethylbenzene	ug/L	20	21.1	21.1	106	105	80-120	.08	20	
Methyl-tert-butyl ether	ug/L	20	21.3	21.4	106	107	80-120	.6	20	
Naphthalene	ug/L	20	19.3	19.9	96	99	80-120	3	20	
Toluene	ug/L	20	21.0	20.9	105	104	80-120	.4	20	
Xylene (Total)	ug/L	60	63.0	62.7	105	104	80-120	.5	20	
a,a,a-Trifluorotoluene (S)	%				101	102	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 386706 386707

Parameter	Units	4039819003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	1450	200	200	1680	1630	119	89	31-178	4	20	
1,3,5-Trimethylbenzene	ug/L	371	200	200	628	608	129	118	66-145	3	20	
Benzene	ug/L	96.7	200	200	357	352	130	128	23-177	1	20	
Ethylbenzene	ug/L	957	200	200	1110	1080	76	60	63-144	3	20	M1
Methyl-tert-butyl ether	ug/L	<3.8	200	200	209	210	104	105	80-120	.7	20	
Naphthalene	ug/L	283	200	200	453	458	85	88	63-140	1	20	
Toluene	ug/L	63.1	200	200	282	281	110	109	53-164	.6	20	
Xylene (Total)	ug/L	3340	600	600	3910	3770	94	71	41-166	4	20	
a,a,a-Trifluorotoluene (S)	%						111	110	80-120			

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QUALITY CONTROL DATA

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

QC Batch: ICP/4091 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 4039771002, 4039771003, 4039771004, 4039771005

METHOD BLANK: 386868 Matrix: Water
Associated Lab Samples: 4039771002, 4039771003, 4039771004, 4039771005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<1.7	7.5	11/19/10 16:20	

LABORATORY CONTROL SAMPLE: 386869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	500	527	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 386870 386871

Parameter	Units	4039771002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead, Dissolved	ug/L	<1.7	500	500	510	500	102	100	75-125	2	20	

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QUALIFIERS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
S7	Surrogate recovery outside control limits (not confirmed by re-analysis).
pH	Post-analysis pH measurement indicates insufficient VOA sample preservation.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4039771

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4039771001	**SB101**	WI MOD GRO	GCV/5925		
4039771002	**SB102**	WI MOD GRO	GCV/5925		
4039771003	**SB103**	WI MOD GRO	GCV/5925		
4039771004	**SB104**	WI MOD GRO	GCV/5925		
4039771005	**SB105**	WI MOD GRO	GCV/5925		
4039771006	**TRIP BLANK**	WI MOD GRO	GCV/5925		
4039771002	**SB102**	EPA 6010	ICP/4091		
4039771003	**SB103**	EPA 6010	ICP/4091		
4039771004	**SB104**	EPA 6010	ICP/4091		
4039771005	**SB105**	EPA 6010	ICP/4091		

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

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CHAIN OF CUSTODY

KM

4039771

(Please Print Clearly)	
Company Name:	Saga Environmental Engr.
Branch/Location:	Jefferson
Project Contact:	Paula Richardson
Phone:	920-674-3411
Project Number:	10-731
Project Name:	Jeffery Property
Project State:	WI
Sampled By (Print):	Paula Richardson
Sampled By (Sign):	
PO #:	10-731
Regulatory Program:	PECFA

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	PECFA
Mail To Contact:	Paula Richardson
Mail To Company:	Saga Environmental Engr.
Mail To Address:	146 E. Milwaukee St. Jefferson, WI 53549
Invoice To Contact:	Paula Richardson
Invoice To Company:	
Invoice To Address:	Same
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SL = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVOC+naphthalene	Analyses Requested: Dissolved Lead	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
001	SB101	11/15/10	11a	GW	N	B	X			3-40ml B
002	SB102		12p	GW	N	B	X	X		250ml D
003	SB103			GW	N	B	X	X		
004	SB104			GW	N	B	X	X	Sheen	
005	SB105	11/15/10		GW	N	B	X	X		2-40ml B
006	Trip Blank				N	B	X			

Profile #

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	
Transmit Prelim Rush Results by (complete what you want):	
Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	11/17/10 14:05		11/17/10 1405
	11/17/10 1700		
CS Logistics	11/18/10 0900		11/18/10 0900

PACE Project No.: 4039771

Receipt Temp = RO / °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 06/14/06

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical

Sample Condition Upon Receipt

Client Name: Saga Env. Project # 4039771

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other CS Logistics

Tracking #:

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None Other

Optional
Proj. Due Date:
Proj. Name:

Thermometer Used N/A Type of Ice: (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature R01 Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☒ no

Person examining contents:
Date: 11/18/10
Initials: MRN

Temp should be above freezing to 6°C for all sample except Biota.
Biota Samples should be received ≤ 0°C.

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☑Yes ☐No ☐N/A	12.
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☑Yes ☐No ☐N/A	15. 2-40ml for -004 MRN 11/18
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution: Sediment in all VOA vials except T.B. MRN 11/18/10

Project Manager Review: Date: 11/18/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

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Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

December 20, 2010

Paula Richardson
Saga Environmental and Engineering, Inc.
146 E. Milwaukee St.
Jefferson, WI 53549

RE: Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

Dear Paula Richardson:
Enclosed are the analytical results for sample(s) received by the laboratory on December 11, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Alee Her

Alee Her

alee.her@pacelabs.com
Project Manager

Enclosures

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Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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SAMPLE SUMMARY

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4040689001	**PW-1**	Water	12/09/10 09:30	12/11/10 08:35
4040689002	**TRIP BLANK**	Water	12/09/10 09:30	12/11/10 08:35

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SAMPLE ANALYTE COUNT

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4040689001	**PW-1**	WI MOD GRO	SES	9	PASI-G
		EPA 6010	DLB	1	PASI-G
4040689002	**TRIP BLANK**	WI MOD GRO	SES	9	PASI-G

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

Sample: PW-1 **Lab ID: 4040689001** Collected: 12/09/10 09:30 Received: 12/11/10 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.39**	ug/L	1.0	0.39	1		12/13/10 14:51	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		12/13/10 14:51	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		12/13/10 14:51	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		12/13/10 14:51	91-20-3	
Toluene	**<0.42**	ug/L	1.0	0.42	1		12/13/10 14:51	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		12/13/10 14:51	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		12/13/10 14:51	108-67-8	
Xylene (Total)	**<1.3**	ug/L	3.0	1.3	1		12/13/10 14:51	1330-20-7	
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		12/13/10 14:51	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	**<1.4**	ug/L	7.5	1.4	1	12/14/10 14:45	12/16/10 13:34	7439-92-1	

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

Sample: TRIP BLANK **Lab ID: 4040689002** Collected: 12/09/10 09:30 Received: 12/11/10 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.39**	ug/L	1.0	0.39	1		12/13/10 15:17	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		12/13/10 15:17	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		12/13/10 15:17	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		12/13/10 15:17	91-20-3	
Toluene	**<0.42**	ug/L	1.0	0.42	1		12/13/10 15:17	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		12/13/10 15:17	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		12/13/10 15:17	108-67-8	
Xylene (Total)	**<1.3**	ug/L	3.0	1.3	1		12/13/10 15:17	1330-20-7	
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		12/13/10 15:17	98-08-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

QC Batch: GCV/6018 — Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO — Analysis Description: WIGRO GCV Water
Associated Lab Samples: 4040689001, 4040689002

METHOD BLANK: 395326 — Matrix: Water
Associated Lab Samples: 4040689001, 4040689002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.43	1.0	12/13/10 11:01	
1,3,5-Trimethylbenzene	ug/L	<0.40	1.0	12/13/10 11:01	
Benzene	ug/L	<0.39	1.0	12/13/10 11:01	
Ethylbenzene	ug/L	<0.41	1.0	12/13/10 11:01	
Methyl-tert-butyl ether	ug/L	<0.38	1.0	12/13/10 11:01	
Naphthalene	ug/L	<0.40	1.0	12/13/10 11:01	
Toluene	ug/L	<0.42	1.0	12/13/10 11:01	
Xylene (Total)	ug/L	<1.3	3.0	12/13/10 11:01	
a,a,a-Trifluorotoluene (S)	%	102	80-120	12/13/10 11:01	

LABORATORY CONTROL SAMPLE & LCSD: 395327 395328

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	19.4	19.2	97	96	80-120	.9	20	
1,3,5-Trimethylbenzene	ug/L	20	19.2	19.1	96	95	80-120	.9	20	
Benzene	ug/L	20	19.7	20.1	99	100	80-120	2	20	
Ethylbenzene	ug/L	20	19.7	19.5	98	98	80-120	.7	20	
Methyl-tert-butyl ether	ug/L	20	20.3	20.4	102	102	80-120	.4	20	
Naphthalene	ug/L	20	19.5	19.1	97	96	80-120	2	20	
Toluene	ug/L	20	19.7	19.7	99	99	80-120	.02	20	
Xylene (Total)	ug/L	60	58.7	58.3	98	97	80-120	.7	20	
a,a,a-Trifluorotoluene (S)	%				102	101	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 395457 395458

Parameter	Units	4040676005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	975	200	200	1230	1150	126	86	31-178	7	20	
1,3,5-Trimethylbenzene	ug/L	137	200	200	344	327	103	95	66-145	5	20	
Benzene	ug/L	<3.9	200	200	208	201	104	101	23-177	3	20	
Ethylbenzene	ug/L	178	200	200	387	369	104	95	63-144	5	20	
Methyl-tert-butyl ether	ug/L	24.8	200	200	221	218	98	97	80-120	1	20	
Naphthalene	ug/L	139	200	200	340	333	101	97	63-140	2	20	
Toluene	ug/L	<4.2	200	200	210	205	105	103	53-164	2	20	
Xylene (Total)	ug/L	287	600	600	898	860	102	95	41-166	4	20	
a,a,a-Trifluorotoluene (S)	%						103	103	80-120			

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QUALITY CONTROL DATA

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

QC Batch: MPRP/4888
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 4040689001

METHOD BLANK: 396045 Matrix: Water
Associated Lab Samples: 4040689001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.4	7.5	12/16/10 11:26	

LABORATORY CONTROL SAMPLE: 396046

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	488	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 396047 396048

Parameter	Units	4040655002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	100	500	500	580	577	96	95	75-125	.5	20	

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QUALIFIERS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4040689

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4040689001	**PW-1**	WI MOD GRO	GCV/6018		
4040689002	**TRIP BLANK**	WI MOD GRO	GCV/6018		
4040689001	**PW-1**	EPA 3010	MPRP/4888	EPA 6010	ICP/4166

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

CHAIN OF CUSTODY

4040689

(Please Print Clearly)	
Company Name:	Saga Environmental
Branch/Location:	Jefferson
Project Contact:	Paula Richardson
Phone:	920-674-3411
Project Number:	10-731
Project Name:	Jeffery Property
Project State:	WI
Sampled By (Print):	Paula Richardson
Sampled By (Sign):	
PO #:	Regulatory Program: PELFA

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	PELFA
Mail To Contact:	Paula Richardson
Mail To Company:	Saga Env. + Engr.
Mail To Address:	146 E. Milwaukee St Jefferson, WI 53549
Invoice To Contact:	Paula Richardson
Invoice To Company:	
Invoice To Address:	Same
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☒ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					VOA	N	N			
					Pick Letter	B	D			
001	PW-1	12/9/10	9:30a	DW		X	X		1-250mL D, 3-40mL B	
002	Trip blank	12/9/10	9:30a	W		X			1-40mL B	

Analyses Requested: PVOCs + Naphth. (X); lead (X)

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	
Transmit Prelim Rush Results by (complete what you want):	
Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	12/10/10 0965		12/10/10 0965
	12/10/10 1200		
CS Logistics	12/11/10 0835		12/6/10 0835

PACE Project No.: 4040689

Receipt Temp = 1.0Z °C

Sample Receipt pH: (OK) Adjusted

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Pace Analytical Services, Inc.
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Green Bay, WI 54302

Pace Analytical

Sample Condition Upon Receipt

Client Name: Saga Environmental Project # 4040689

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None Other

Thermometer Used NA **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature ROI **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☑ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Person examining contents:
Date: 12-11-10
Initials: BF

Temp should be above freezing to 6°C for all sample except Biota.
Biota Samples should be received ≤ 0°C.

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☑No ☐N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed BF / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 12/13/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Wisconsin Department of Commerce
Environmental and Regulatory Services Division

Bureau of PECFA
Site Review Section

CLOSE OUT FORM

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04 (1)(m)]

A. Commerce Number: 53156-9688-03-

DNR BRRTS Number: 03-28-228585

B. Site Information (property deed required for sites with residual contamination)

Name: Jeffery Property
Address: W1003 County Rd CI
City: Sullivan, WI

Date Received (office use only)

C. Responsible Party (RP) Information

Contact Name: Thomas Jeffery
Business Name (if applicable):
Mailing Address: 3716 E. Jacobs Dr
City, State, Zip Code: Milton, WI 53563
Telephone: (262) 472-5124

D. Property Owner Information (if different from RP)

Contact Name:
Business Name (if applicable):
Mailing Address:
City, State, Zip Code:
Telephone:

E. Consulting Firm Information

Contact Name: Paula Richardson
Firm Name: Saga Environmental and Engineering, Inc.
Mailing Address: 146 E. Milwaukee St
City, State, Zip Code: Jefferson, WI 53549
Telephone: (920) 674-3411
Electronic Mail Address: prichardson@saga-ee.com

Proposed Public Notification and Fee Payment Confirmation

(Check all that apply)

☒ **None**

☐ **DNR Soil GIS Registry**
Registry fee sent to DNR? Yes ☐

☐ **DNR GW GIS Registry**
Registry fee sent to DNR? Yes ☐

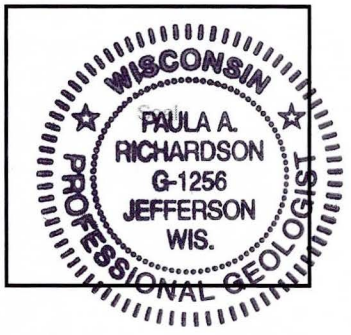
☐ **DNR GW GIS Registry - improperly abandoned monitoring well(s)**
Registry fee sent to DNR? Yes ☐
(Only one GW Registry fee per site.)

I certify by my signature that I am the environmental consultant on this site, that I have reviewed all the environmental information relating to the remediation at this site, that the information contained in this form and following correspondence is true and accurate, and that it is my professional opinion that this site meets all regulatory requirements for closure. (Must be signed by a professional listed below that is currently licensed by the Department of Regulation and Licensing).

Consultant Signature: [signature] Date: 2/22/11

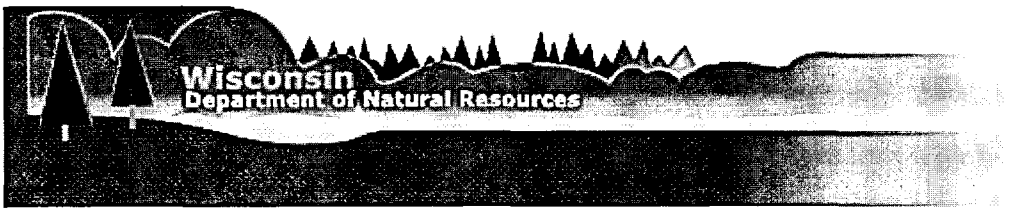
Check One:

Professional Engineer	☐	License #
Professional Geologist	☒	License # 1,256
Hydrologist	☐	License #
Soil Scientist	☐	License #



F. Other Interested Party(s) (attach additional sheets if necessary)

Name:
Mailing Address:
City, State, Zip Code:
Telephone:
Reason for interest:



BRRTS on the Web Activity Details for JEFFERY PROPERTY

Printed Tue, 22 Feb 2011 01:56:52 CST

Activity No: 03-28-228585
Activity Name: JEFFERY PROPERTY
Type: LUST
Status: OPEN
Jurisdiction: COMMERCE
Start Date: 08/27/1999
End Date: 00/00/0000
Last Action: 02/14/2011
Location: JEFFERY PROPERTY
FID: 268568190
Address: W1003 CNTY HWY CI
Municipality: PALMYRA
County: JEFFERSON
WI Region:
Commerce No: 53156968803
EPA ID:
Risk: MEDIUM
Plot Size: UNKNOWN
Comments: *** TRANSFERRED TO COMMERCE - ACTIVITY NO LONGER UNDER DNR JURISDICTION ***
EPA NPL?: No
Commerce Tracked?: Yes
PECFA Eligible?: No
AST?: No
Drycleaner?: No
Co-Contamination?: No
Geo-Located?:
PLSS: NW 1/4 of the SE 1/4 of Sec 34, T06N, R16E

Actions

Date	Name	Comment
08/27/1999	Notification	-
10/25/1999	RP Letter Sent	-
11/01/1999	Tank Closure Environmental Site Assessment Rpt Received	-
05/04/2000	RP Letter Sent/2	-

07/12/2007	Push Action Taken	-
07/15/2009	Push Action Taken/2	-
12/29/2009	Notice of Noncompliance (NON)	-
04/22/2010	Miscellaneous	RSV IS WORKING WITH RP - WILL BE SIGNING CONTACT SOON
02/14/2011	Activity Transferred to WI Dept. of Commerce	-

Impacts

Type	Comment
Soil Contamination	-

Scoring

Type	Date	Score

Substances

Substance Name	Category	Released Amt
Gasoline - Unleaded and Leaded	Petroleum	

Spill Info

Incident Date	Reported Date	Investigator	Source

Spiller Actions

Action	Comment

Who

Project Manager:
WI DEPT OF COMMERCE (DCOM) 201 WEST WASHINGTON AVE MADISON, WI 53703

Responsible Party:
(PERSONAL IDENTIFIABLE INFORMATION WITHHELD)

Return to Search screen

Site Data

Commerce Number 53156-9688-03
Site Name Jeffery Property
Site Address W1003 County Rd CI
Site City Palmyra

Disclaimer:
The information you are viewing is from the current PECFA database. Some of this data, including but not limited to, eligibility, tank type and maximum reimbursement amount, is subject to change based on new information that is received.

Occurrence Data

Link to Web Report Data

Occurrence:	A	File Location:	DNR
Occurrence Name:	Jeffery Property	File Transfer Date:	
Tank Type:	USTM	Max. Reimbursement:	$190,000.00
Comm Notification Date:	05/18/2010	PECFA Eligibility:	☑
MtBE:	Not Detected	MtBE ug/L:	
Closure Flag:	☐	Closure Date:	
Final Payment:	☐	BRRTS No:	0328228585
DNR Notification Date:	08/27/1999	Occurrence ID:	19748
Contaminated Media-Groundwater:	☐	Contaminated Media-Soil:	☐
GIS Registry (GW):	☐	GIS Registry (Soil):	☐
GIS Registry Fee Paid (GW):	☐	GIS Registry Fee Paid (Soil):	☐
SIR Date:			
$60K Flag:	☐	$60K Failure:	☐
$80K Flag:	☐	$80K Failure:	☐
Claim Liability Status:	200- LIABILITY-WILL FILE	Occ Class Rqd:	☑
		Date Received:	05/18/2010

Site Review Data

Submittal Type	Received Date	Reviewed Date	Status	Total Approved Amount	Reviewer	Sub Type
CON	07/01/2010	07/07/2010			Shawn Wenzel	Execute

Claims Data

Claim No	Claim Type	Audit Line	Submitted Date	Check Out Amount	Completed Date	Amount Paid	Paid Date	Planned Paid Date
1	Claim							

Claim Totals

Submitted	Paid	Claims	Deduct
		1	$0.00

Return to Search screen

Wenzel, Shawn A - COMMERCE

From: Paula Richardson [prichardson@saga-ee.com]
Sent: Tuesday, February 22, 2011 2:42 PM
To: Wenzel, Shawn A - COMMERCE
Subject: RE: Closure Request for Commerce #53156-9688-03

Shawn,

I received a letter from the WDNR saying that the file had been transferred, but apparently the physical file has not. I believe Randy Maass had it last. Please let me know when you receive it.

Regards,

Paula A. Richardson, P.G.
Vice President/ Hydrogeologist

From: Wenzel, Shawn A - COMMERCE [mailto:Shawn.Wenzel@Wisconsin.gov]
Sent: Tuesday, February 22, 2011 2:00 PM
To: Paula Richardson
Cc: Jeffery, Thomas C
Subject: RE: Closure Request for Commerce #53156-9688-03

Thanks.

I cannot finalize my review until the transfer process is complete. I see that DNR has is listed on their site as being transferred.

Shawn A. Wenzel, Senior Hydrogeologist
Department of Commerce PECFA Bureau
Environmental & Regulatory Services Division
Site Review Section, Madison
Phone (608) 261-5401
Fax (608) 267-1381
http://www.commerce.wi.gov/ER/ER-PECFA-Home.html

Learn more about your site at *Tracker On The Web*
Commerce is on **Facebook, Twitter, LinkedIn, YouTube,** etc. http://commerce.wi.gov/SocialMedia

---

From: Paula Richardson [mailto:prichardson@saga-ee.com]
Sent: Tuesday, February 22, 2011 1:42 PM
To: Wenzel, Shawn A - COMMERCE

Cc: Jeffery, Thomas C
Subject: Closure Request for Commerce #53156-9688-03

Good Afternoon Shawn,

Please find attached a Closure Request for the Jeffery Property located at W1003 County Road CI, Sullivan, WI for your review. I will send a hard copy in the mail this afternoon or tomorrow morning as well.

Please feel free to call me with any questions you may have.

Regards,

Paula A. Richardson, P.G.
Vice President/ Hydrogeologist

146 E. Milwaukee Street
Jefferson, WI 53549
Ph. 920-674-3411
Cell 920-605-6073
Fax 920-674-3481
email: prichardson@saga-ee.com

Wenzel, Shawn A - COMMERCE

From: Paula Richardson [prichardson@saga-ee.com]
Sent: Tuesday, February 22, 2011 1:42 PM
To: Wenzel, Shawn A - COMMERCE
Cc: Jeffery, Thomas C
Subject: Closure Request for Commerce #53156-9688-03
Attachments: 110222 Jeffery Commerce Closure Request.pdf

Good Afternoon Shawn,

Please find attached a Closure Request for the Jeffery Property located at W1003 County Road CI, Sullivan, WI for your review. I will send a hard copy in the mail this afternoon or tomorrow morning as well.

Please feel free to call me with any questions you may have.

Regards,

Saga Environmental & Engineering, Inc.

Paula A. Richardson, P.G.
Vice President/ Hydrogeologist

146 E. Milwaukee Street
Jefferson, WI 53549
Ph. 920-674-3411
Cell 920-605-6073
Fax 920-674-3481
email: prichardson@saga-ee.com

Waiting for Transfer.

Return to Search screen

Site Data

Commerce Number 53156-9688-03
Site Name Jeffery Property
Site Address W1003 County Rd CI
Site City Palmyra

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Occurrence Data

Link to Web Report Data

Occurrence:	A	File Location:	DNR
Occurrence Name:	Jeffery Property	File Transfer Date:	
Tank Type:	USTM	Max. Reimbursement:	$190,000.00
Comm Notification Date:	05/18/2010	PECFA Eligibility:	☑
MtBE:	Not Detected	MtBE ug/L:	
Closure Flag:	☐	Closure Date:	
Final Payment:	☐	BRRTS No:	0328228585
DNR Notification Date:	08/27/1999	Occurrence ID:	19748
Contaminated Media-Groundwater:	☐	Contaminated Media-Soil:	☐
GIS Registry (GW):	☐	GIS Registry (Soil):	☐
GIS Registry Fee Paid (GW):	☐	GIS Registry Fee Paid (Soil):	☐
SIR Date:			
$60K Flag:	☐	$60K Failure:	☐
$80K Flag:	☐	$80K Failure:	☐
Claim Liability Status:	200- LIABILITY-WILL FILE	Occ Class Rqd:	☑
		Date Received:	05/18/2010

Site Review Data

Submittal Type	Received Date	Reviewed Date	Status	Total Approved Amount	Reviewer	Sub Type
CON	07/01/2010	07/07/2010			Shawn Wenzel	Execute

Claims Data

Claim No	Claim Type	Audit Line	Date	Submitted Amount	Check Out Date	Completed Date	Amount Paid	Paid Date	Planned Paid Date
1	Claim								

Claim Totals

Submitted	Paid	Claims	Deduct
		1	$0.00

Return to Search screen

BRRTS on the Web Activity Details for JEFFERY PROPERTY

Printed Tue, 1 Mar 2011 11:01:18 CST

Activity No: 03-28-228585
Activity Name: JEFFERY PROPERTY
Type: LUST
Status: OPEN
Jurisdiction: COMMERCE
Start Date: 08/27/1999
End Date: 00/00/0000
Last Action: 02/14/2011
Location: JEFFERY PROPERTY
FID: 268568190
Address: W1003 CNTY HWY CI
Municipality: PALMYRA
County: JEFFERSON
WI Region:
Commerce No: 53156968803
EPA ID:
Risk: MEDIUM
Plot Size: UNKNOWN
Comments: *** TRANSFERRED TO COMMERCE - ACTIVITY NO LONGER UNDER DNR JURISDICTION ***
EPA NPL?: No
Commerce Tracked?: Yes
PECFA Eligible?: No
AST?: No
Drycleaner?: No
Co-Contamination?: No
Geo-Located?:
PLSS: NW 1/4 of the SE 1/4 of Sec 34, T06N, R16E

Actions

Date	Name	Comment
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Impacts

Type	Comment
Soil Contamination	-

Scoring

Type	Date	Score

Substances

Substance Name	Category	Released Amt
Gasoline - Unleaded and Leaded	Petroleum	

Spill Info

Incident Date	Reported Date	Investigator	Source

Spiller Actions

Action	Comment

Who

Project Manager:
WI DEPT OF COMMERCE (DCOM) 201 WEST WASHINGTON AVE MADISON, WI 53703

Responsible Party:
(PERSONAL IDENTIFIABLE INFORMATION WITHHELD)

BRRTS data comes from various sources, both internal and external to DNR. There may be ommissions and errors in the data and possible delays in updating new information. Please see the legal notices and disclaimers page on BRRTS on the Web for more information.

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
P.O. Box 8044
Madison, Wisconsin 53708-8044
TTY: Contact Through Relay
Fax: (608) 267-1381
Scott Walker, Governor
Paul F. Jadin, Secretary

commerce.wi.gov
Wisconsin
Department of Commerce

March 11, 2011

Thomas Jeffery
W1003 County Rd CI
Palmyra, WI 53156

RE: **Closure Denied**

Commerce # 53156-9688-03-A DNR BRRTS # 03-28-228585
Jeffery Property, W1003 County Rd CI, Palmyra

Dear Mr. Jeffery:

On March 2, 2011, the Wisconsin Department of Commerce (Commerce) received the case file and a request for case closure prepared by your consultant, Saga Environmental & Engineering, Inc., for the site referenced above. Commerce has determined that this case cannot be closed until you provide additional information and address the following concerns:

- A water sample must be collected from the sump in the basement and laboratory analyzed. The water sample should be laboratory analyzed for PVOC, Naphthalene, and Lead.
- Figures should be revised to include the location of the sump, and the potable well associated with this site.
- Groundwater data tables should be revised to include the new data, and the current ground water standards (revised by DNR 1/1/11 – Toluene and Xylenes).
- The site is required to be included in the DNR GIS Registry site due to the soil contamination identified during the tank closure assessment. The DNR GIS Registry fee must be paid directly to the DNR.

Upon completion of the work referenced above, the groundwater lab data (lab report) should be submitted to Commerce for review, along with a brief summary of the work completed, and revised tables and figures. If the laboratory data indicates no impacts to the water, submit a complete soil GIS Registry packet. If the water is determined to be impacted, submit the above mentioned information for review, and recommendations for additional work to address the impacted water.

State Statute 101.143 allows for a PECFA claim to be submitted if at least $50,000 in unclaimed eligible costs has been incurred and no claim has been submitted during the previous 12 months. This site appears to meet this claim milestone. Consequently, Commerce suggests that you submit a claim as soon as possible so that unwarranted PECFA loan costs are not incurred.

Thank you for your efforts to move this case toward closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 261-5401.

Sincerely,

Shawn A. Wenzel
Senior Hydrogeologist
Site Review Section

cc: Paula Richardson, Saga Environmental & Engineering, Inc.

Wenzel, Shawn A - COMMERCE

From: Paula Richardson [prichardson@saga-ee.com]
Sent: Monday, April 25, 2011 1:45 PM
To: Wenzel, Shawn A - COMMERCE
Cc: Jeffery, Thomas C
Subject: Jeffery Property Closure Request - Additional Information - 53156-9688-03
Follow Up Flag: Follow up
Due By: Wednesday, April 27, 2011 10:30 AM
Flag Status: Red
Attachments: 110425 Jeffery Commerce Closure Request.pdf

Good Afternoon Shawn,

Please find attached a revised closure request for the Jeffery Property site in Sullivan, WI. I also put a hard copy of the letter report into the mail this afternoon, so you should receive that shortly.

Please feel free to call me with any questions you may have following your review.

Regards,

Paula

Saga Environmental & Engineering, Inc.

Paula A. Richardson, P.G.
Vice President/ Hydrogeologist

146 E. Milwaukee Street
Jefferson, WI 53549
Ph. 920-674-3411
Cell 920-605-6073
Fax 920-674-3481
email: prichardson@saga-ee.com

Saga Environmental & Engineering, Inc.

April 25, 2011

Mr. Shawn Wenzel
Wisconsin Department of Commerce – PECFA Bureau
Environmental & Regulatory Services Division
P.O. Box 8044
Madison, Wisconsin 53708-8044

RE: Closure Request Addendum
Jeffery Property at W1003 County Road CI
Palmyra, Wisconsin
Commerce #53156-9688-03 BRRTS#03-28-228585

Dear Mr. Wenzel:

Saga Environmental and Engineering, Inc. (Saga) is pleased to present this closure request addendum summarizing additional environmental site investigation at the above referenced site (site) and justification for case closure. Initial site investigation activities conducted by Saga were detailed in Saga's February 22, 2011 Closure Request and are summarized briefly below.

November 2010 Investigation

Saga mobilized a Geoprobe drill rig to the site on November 15, 2010 to conduct soil borings in the area where contamination had previously been detected during widening of the adjacent roadway in 1999. Saga completed five soil borings at the site at the approximate locations shown on the attached map (Attachment A), each to an approximate depth of ten feet below ground surface (bgs). Saga had planned to install a boring within the former tank bed at that time; however, the drill rig could not access that area as a large juniper tree occupied that area at the time. Soil samples were collected continuously, soil descriptions were logged by a registered professional geologist, and unsaturated samples were screened for volatile organic vapors using a photoionization detector (PID) for possible laboratory analyses.

Groundwater was encountered at about 5 feet bgs in each boring. Soils logged in the borings generally consisted of sand and silt. Based on PID readings and visual and olfactory observations, there were no indications of impacts in the unsaturated zone. Therefore, no soil samples were collected. Groundwater samples were collected from each location and submitted for petroleum volatile organic compounds (PVOCs) and dissolved lead (Table 1). Groundwater samples were also collected from the onsite potable well and submitted for the same analyses.

Oregon Office:
31960 SW Charbonneau Drive #101
Wilsonville, OR 97070
telephone: 503.694.6960

Wisconsin Office:
146 East Milwaukee Street #120
Jefferson, WI 53549
telephone: 920.674.3411

November 2010 Investigation Results

No PVOCs or dissolved lead were detected above their respective WAC ch. NR140 enforcement standards (ESs) in any groundwater sample collected, and no PVOCs or dissolved lead were detected in the water sample collected from the potable well (Table 1 and Attachment B). The concentration of lead detected in the groundwater sample collected from soil boring SB104 slightly exceeded the WAC ch. NR140 preventive action limit (PAL) of 1.5 µg/L at a concentration of 2.0 µg/L. In addition, benzene was detected at 0.5 µg/L (equal to the benzene PAL) in the groundwater sample collected from soil boring SB103. Benzene was not detected in the groundwater sample collected from soil boring SB104. However, the sample was diluted due to matrix interference and the detection limit exceeded the PAL. No other parameters exceeded their respective PALs in the groundwater samples collected from the site.

Free product was not observed at any time during site investigation activities.

Shallow groundwater flow in the vicinity of the subject property is expected to be west, toward an unnamed creek, based on local topography. However, as the on-site building has a basement and groundwater is shallow, the basement and its foundation drain sump are expected to impede or capture groundwater flow to the west in the former tank bed area. Therefore, although no explicitly downgradient groundwater samples have been collected, it is expected that any petroleum-related contamination originating in the former tank bed area would stagnate in the area immediately surrounding the former tank bed, which has been adequately characterized.

Based on site investigation data, Saga concluded that only low-level residual groundwater contamination below NR 140 ESs remains at the site and that historical concentrations of GRO and DRO detected in saturated soil samples were likely representative of a combination of soil and groundwater conditions at that time. As more than a decade has elapsed since the soil samples were collected and the source of contamination has been removed, the moderately permeable sands and silt at the site coupled with the shallow depth to groundwater are expected to be conducive to natural attenuation of petroleum-related contaminants in the subsurface by aerobic degradation and dispersion. Therefore, the residual, low-level (below the ES) groundwater contamination remaining at the site is expected to be reduced to non-detectable levels within a reasonable timeframe. Consequently, Saga determined that no further investigation or remediation is necessary at the site, and requested site closure at that time.

March 2011 Closure Denial and Commerce Request for Additional Information

On March 11, 2011 Saga was contacted by Mr. Shawn Wenzel at the Department of Commerce (Commerce) who notified us that the request for "clean" closure had been denied. Mr. Wenzel indicated that a water sample would need to be collected from the basement sump and submitted for laboratory analysis of PVOCs + naphthalene and dissolved lead, in order to further assess the potential for migration of contaminants into the groundwater beneath the building and/or vapor intrusion before closure would be granted. Mr. Wenzel indicated that if this data came back with favorable results (i.e. no contaminant concentrations above the ES), closure could be granted with a GIS registration for soil

contamination. In addition, as an optional task, Mr. Wenzel also indicated that if Mr. Jeffery wished to cut the juniper bush down and have Saga collect a soil sample from the same location and depth as the sample collected in 1999 that had contained GRO/DRO concentrations exceeding W.A.C. NR 746 residual contaminant levels (RCLs), a "clean" closure of the site could be granted if the analytical results of that sample were below RCLs.

As "clean" closure without restrictions was important for Mr. Jeffery, who plans to sell the property, Saga recommended collecting the soil sample along with the sump water sample to confirm that no soil contamination above W.A.C. RCLs is present at the site.

April 2011 Site Investigation

On April 11, 2011, Saga collected a sample of the water in the basement sump at the property and submitted it to Pace Analytical Laboratories for laboratory analysis of PVOCs + naphthalene and dissolved lead. Laboratory analytical reports are included in Attachment C.

Saga also mobilized a Geoprobe drill rig to the Jeffery property to advance one soil boring (SB106, Attachment A) in the approximate location that soil sample S-3 had been collected in 1999 (Mr. Jeffery had cut the juniper shrubs and cleared the boring location previous to drilling activities commencing). Saga advanced the boring to an approximate depth of 8 feet bgs and collected one soil sample from the 7.5 feet to 8 feet interval (same depth as S-3 sample) for analysis of GRO and DRO. No staining or odors were noted at any time during drilling. The soil boring log and abandonment form are included in Attachment B.

April 2011 Results and Conclusion

No petroleum-related compounds or lead were detected in either the sump water sample or soil sample. As more than a decade has elapsed since the 1999 soil samples were collected and the source of contamination has been removed, the moderately permeable sands and silt at the site coupled with the shallow depth to groundwater have been conducive to natural attenuation of petroleum-related contaminants in the subsurface by aerobic degradation and dispersion, as expected. Therefore, the residual, low-level (below the ES) groundwater contamination remaining at the site are expected to be reduced to non-detectable levels within a reasonable timeframe. Consequently, Saga determines that no further investigation or remediation is necessary at the site, and we respectfully request site closure at this time. We also request a PAL exemption for the detection of lead at a concentration exceeding the PAL in the groundwater sample collected from soil boring SB-104. The source of the lead has been removed and lead was not detected in the water samples collected from either the sump or on-site potable well.

* * *

Should you have any questions regarding the information in this document, please contact the undersigned at 920-674-3411.

Sincerely,

Saga Environmental and Engineering, Inc.

Paula A. Richardson, P.G
Vice President/ Hydrogeologist

Enclosures:

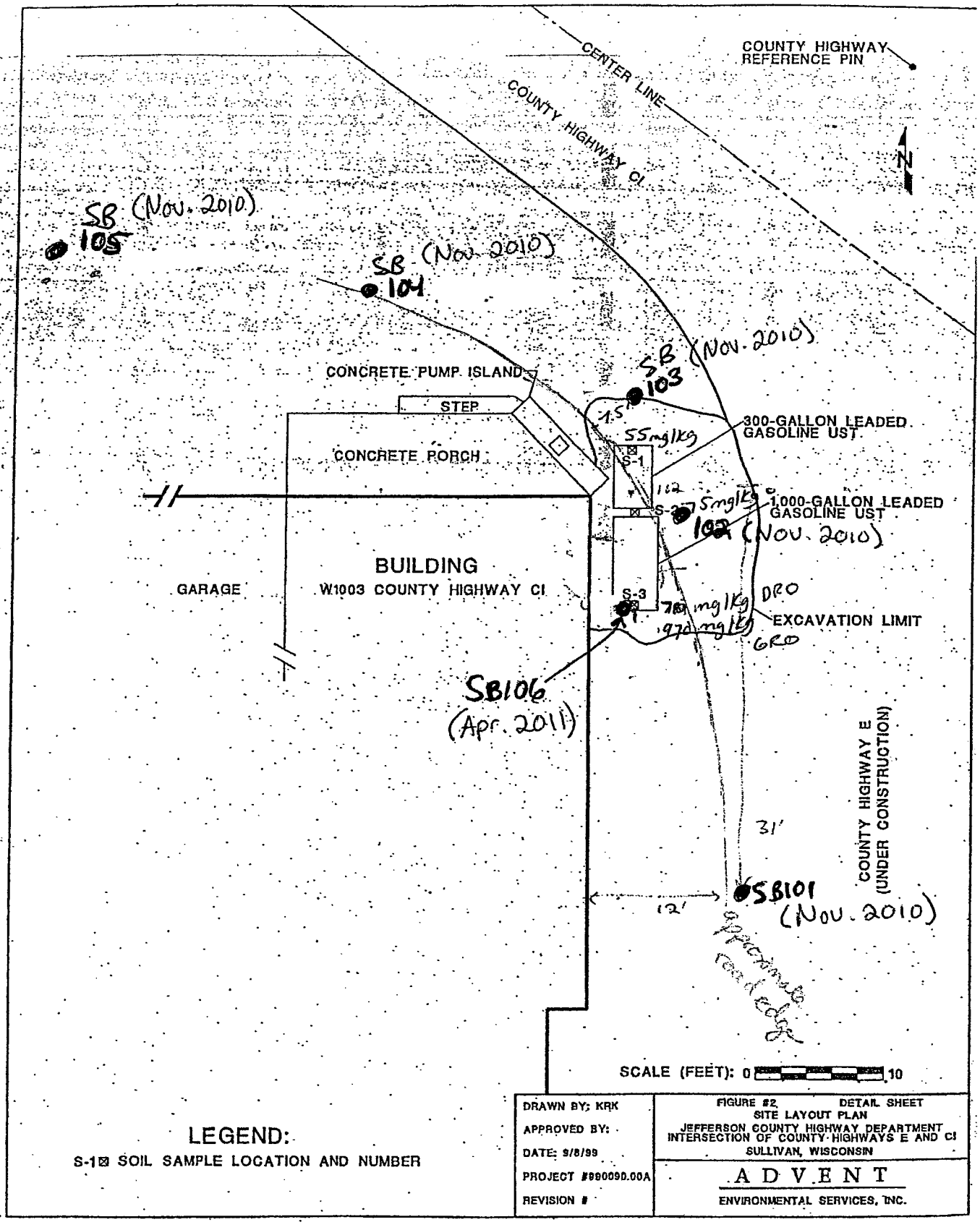
Table 1
Attachments A through C

TABLE 1
GROUNDWATER ANALYTICAL SUMMARY
JEFFERY PROPERTY
PALMYRA, WI
Concentrations in µg/L

Sample ID	Date	Volatile Organic Compounds (VOCs; µg/L)								Lead, Dissolved (µg/L)
		Benzene	Ethylbenzene	Toluene	Xylenes	Methyl tert-butyl ether	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Naphthalene	
Wisconsin Administrative Code NR 140 Groundwater Standards										
NR 140 PAL		0.5	140	200	1,000	12	96		10	1.5
NR 140 ES		5	700	1,000	10,000	60	480		100	15
Temporary Monitoring Well Samples										
SB101	11/15/2010	0.42	<0.41	0.85	<1.3	<0.38	<0.43	<0.40	<0.40	--
SB102	11/15/2010	<0.39	<0.41	0.62	<1.3	<0.38	<0.43	<0.40	<0.40	<1.7
SB103	11/15/2010	*0.50*	0.45 J	1.4	<1.3	<0.38	<0.43	<0.40	<0.40	<1.7
SB104	11/15/2010	<0.78	17.3	<0.76	21.4	<0.76	14.1	7.1	4.9	*2.0*
SB105	11/15/2010	0.45	2.8	1.0	<1.3	<0.38	<0.43	<0.40	<0.40	<1.7
Potable Well Sample										
PW-1	12/9/2010	<0.39	<0.41	<0.42	<1.3	<0.38	<0.43	<0.40	<0.40	<1.4
Sump Water Sample										
Sump	4/11/2011	<0.39	<0.41	<0.42	<1.3	<0.38	<0.43	<0.40	<0.40	<1.7

Notes:

0.50 : Concentration meets or exceeds NR 140 PAL.
µg/L : Micrograms per liter.
PAL : Preventive Action Limit.
ES : Enforcement Standard.
<0.20 : Analyte not detected above limit of detection shown.


COUNTY HIGHWAY REFERENCE PIN
CENTER LINE
COUNTY HIGHWAY CI
N
SB (Nov. 2010) 105
SB (Nov. 2010) 104
SB (Nov. 2010) 103
CONCRETE PUMP ISLAND
STEP
CONCRETE PORCH
1.5'
55mg/kg
300-GALLON LEADED GASOLINE UST
S-1
1.2'
5mg/kg
1,000-GALLON LEADED GASOLINE UST
102 (Nov. 2010)
BUILDING
GARAGE
W1003 COUNTY HIGHWAY CI
S-3
78 mg/kg DRO
970 mg/kg GRO
EXCAVATION LIMIT
SB106 (Apr. 2011)
31'
COUNTY HIGHWAY E (UNDER CONSTRUCTION)
12'
SB101 (Nov. 2010)
approximate road edge
SCALE (FEET): 0 10
LEGEND:
S-1⊠ SOIL SAMPLE LOCATION AND NUMBER
DRAWN BY: KRK
APPROVED BY:
DATE: 9/8/99
PROJECT #990090.00A
REVISION #
FIGURE #2 DETAIL SHEET
SITE LAYOUT PLAN
JEFFERSON COUNTY HIGHWAY DEPARTMENT
INTERSECTION OF COUNTY HIGHWAYS E AND CI
SULLIVAN, WISCONSIN
ADVENT
ENVIRONMENTAL SERVICES, INC.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Teffery Property		SB106

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Firm: On-Site Environmental	04/11/2011 (m m d d y y y y)	04/11/2011 (m m d d y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Jefferson		Sullivan

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	0'-1' Topsoil, Silt w/sand, dark brown, sl. moist, no odor or staining										
			1	1'-7' Sand (SP), yellowish-brown, fine to med. sand, very moist, no odor or staining	SP									
			2											
			3											
			4											
			5	@ 5' wet			▼							
			6											
			7	7'-8' Silt (ML), Light grayish brown, wet, no odor or staining	ML									Collect soil Sample for GRO/DRO @ 7.5'-8'
			8	End of Boring @ 8'										
			9											
			10											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Sagan Environmental + Engr.

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Heap# boring #
Jefferson	_ _ _ _ _	SB106

Lattitude / Longitude (Degrees and Minutes) — Method Code (see instructions)

__ __ ° __ __ . __ __ __ 'N
__ __ ° __ __ . __ __ __ 'W

¼ ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address

Well City, Village or Town | Well ZIP Code

Subdivision Name | Lot #

Reason For Removal From Service | WI Unique Well # of Replacement Well

2. Facility / Owner Information

Facility Name: Jeffery Property

Facility ID (FID or PWS)

License/Permit/Monitoring #

Original Well Owner: Thomas Jeffery

Present Well Owner: Thomas Jeffery

Mailing Address of Present Owner: W1003 County Rd. CI

City of Present Owner: Palmyra | State: WI | ZIP Code: 53156

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 4/11/11

If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify): _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
8	—
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2	—

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)? | Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☒ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite	Surface	8		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Saga Environmental Engr.		4/11/11

Street or Route: 146 E. Milwaukee St. #120 | Telephone Number: (920) 674-3411

City: Jefferson | State: WI | ZIP Code: 53549 | Signature of Person Doing Work | Date Signed: 4/12/11

DNR Use Only

Date Received	Noted By
Comments	

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(920)469-2436

April 20, 2011

Paula Richardson
Saga Environmental and Engineering, Inc.
146 E. Milwaukee St.
Jefferson, WI 53549

RE: Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044452

Dear Paula Richardson:
Enclosed are the analytical results for sample(s) received by the laboratory on April 13, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Alee Her

Alee Her

alee.her@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044452

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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SAMPLE SUMMARY

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044452

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4044452001	**SB-106**	Solid	04/11/11 00:00	04/13/11 08:45
4044452002	**MEOH BLANK**	Solid	04/11/11 00:00	04/13/11 08:45

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SAMPLE ANALYTE COUNT

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044452

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4044452001	**SB-106**	WI MOD DRO	KHB	1	PASI-G
		WI MOD GRO	PMS	1	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4044452002	**MEOH BLANK**	WI MOD GRO	PMS	1	PASI-G

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044452

Sample: SB-106 **Lab ID: 4044452001** Collected: 04/11/11 00:00 Received: 04/13/11 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<0.72**	mg/kg	1.4	0.72	1	04/15/11 11:15	04/19/11 09:51		G2
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	**<3.1**	mg/kg	3.1	3.1	1	04/14/11 12:00	04/14/11 15:04		
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.8**	%	0.10	0.10	1		04/15/11 07:50		

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044452

Sample: MEOH BLANK **Lab ID: 4044452002** Collected: 04/11/11 00:00 Received: 04/13/11 08:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	<2.5	mg/kg	2.5	2.5	1	04/14/11 12:00	04/14/11 22:47		

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QUALITY CONTROL DATA

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044452

QC Batch: OEXT/10854 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 4044452001

METHOD BLANK: 436862 Matrix: Solid
Associated Lab Samples: 4044452001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	<0.99	2.0	04/19/11 08:26	

LABORATORY CONTROL SAMPLE & LCSD: 436863 436864

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	40	35.7	37.2	89	93	70-120	4	20	

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QUALITY CONTROL DATA

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044452

QC Batch: GCV/6501
QC Batch Method: TPH GRO/PVOC WI ext.
Analysis Method: WI MOD GRO
Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 4044452001, 4044452002

METHOD BLANK: 436089 Matrix: Solid
Associated Lab Samples: 4044452001, 4044452002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	<2.5	2.5	04/14/11 10:00	

LABORATORY CONTROL SAMPLE & LCSD: 436090 436091

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/kg	10	9.3	10.6	93	106	80-120	13	20	

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QUALITY CONTROL DATA

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044452

QC Batch: PMST/5365
QC Batch Method: ASTM D2974-87
Associated Lab Samples: 4044452001

Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture

SAMPLE DUPLICATE: 436700

Parameter	Units	4044400002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.9	6.0	2	10	

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QUALIFIERS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044452

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

G2 The sample weight in the container did not meet method specifications.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044452

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4044452001	**SB-106**	WI MOD DRO	OEXT/10854	WI MOD DRO	GCSV/5716
4044452001	**SB-106**	TPH GRO/PVOC WI ext.	GCV/6501	WI MOD GRO	GCV/6506
4044452002	**MEOH BLANK**	TPH GRO/PVOC WI ext.	GCV/6501	WI MOD GRO	GCV/6506
4044452001	**SB-106**	ASTM D2974-87	PMST/5365		

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April 19, 2011

Paula Richardson
Saga Environmental and Engineering, Inc.
146 E. Milwaukee St.
Jefferson, WI 53549

RE: Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044450

Dear Paula Richardson:
Enclosed are the analytical results for sample(s) received by the laboratory on April 13, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Alee Her

Alee Her

alee.her@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044450

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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SAMPLE SUMMARY

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044450

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4044450001	**SUMP**	Water	04/11/11 00:00	04/13/11 08:45
4044450002	**TRIP BLANK**	Water	04/11/11 00:00	04/13/11 08:45

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SAMPLE ANALYTE COUNT

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044450

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4044450001	**SUMP**	WI MOD GRO	SES	9	PASI-G
		EPA 6010	DLB	1	PASI-G
4044450002	**TRIP BLANK**	WI MOD GRO	SES	9	PASI-G

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044450

Sample: SUMP **Lab ID: 4044450001** Collected: 04/11/11 00:00 Received: 04/13/11 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	<0.39	ug/L	1.0	0.39	1		04/15/11 08:27	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		04/15/11 08:27	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		04/15/11 08:27	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		04/15/11 08:27	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		04/15/11 08:27	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		04/15/11 08:27	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		04/15/11 08:27	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		04/15/11 08:27	1330-20-7	
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		04/15/11 08:27	98-08-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	<1.7	ug/L	7.5	1.7	1		04/14/11 13:50	7439-92-1	

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ANALYTICAL RESULTS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044450

Sample: TRIP BLANK **Lab ID: 4044450002** Collected: 04/11/11 00:00 Received: 04/13/11 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	<0.39	ug/L	1.0	0.39	1		04/14/11 16:16	71-43-2	
Ethylbenzene	<0.41	ug/L	1.0	0.41	1		04/14/11 16:16	100-41-4	
Methyl-tert-butyl ether	<0.38	ug/L	1.0	0.38	1		04/14/11 16:16	1634-04-4	
Naphthalene	<0.40	ug/L	1.0	0.40	1		04/14/11 16:16	91-20-3	
Toluene	<0.42	ug/L	1.0	0.42	1		04/14/11 16:16	108-88-3	
1,2,4-Trimethylbenzene	<0.43	ug/L	1.0	0.43	1		04/14/11 16:16	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		04/14/11 16:16	108-67-8	
Xylene (Total)	<1.3	ug/L	3.0	1.3	1		04/14/11 16:16	1330-20-7	
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		04/14/11 16:16	98-08-8	

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QUALITY CONTROL DATA

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044450

QC Batch: GCV/6500 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 4044450001, 4044450002

METHOD BLANK: 436075 Matrix: Water
Associated Lab Samples: 4044450001, 4044450002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.43	1.0	04/14/11 10:31	
1,3,5-Trimethylbenzene	ug/L	<0.40	1.0	04/14/11 10:31	
Benzene	ug/L	<0.39	1.0	04/14/11 10:31	
Ethylbenzene	ug/L	<0.41	1.0	04/14/11 10:31	
Methyl-tert-butyl ether	ug/L	<0.38	1.0	04/14/11 10:31	
Naphthalene	ug/L	<0.40	1.0	04/14/11 10:31	
Toluene	ug/L	<0.42	1.0	04/14/11 10:31	
Xylene (Total)	ug/L	<1.3	3.0	04/14/11 10:31	
a,a,a-Trifluorotoluene (S)	%	101	80-120	04/14/11 10:31	

LABORATORY CONTROL SAMPLE & LCSD: 436076 436077

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.3	20.1	102	101	80-120	1	20	
1,3,5-Trimethylbenzene	ug/L	20	20.3	20.1	101	101	80-120	.6	20	
Benzene	ug/L	20	20.6	20.5	103	102	80-120	.9	20	
Ethylbenzene	ug/L	20	20.3	20.2	102	101	80-120	.5	20	
Methyl-tert-butyl ether	ug/L	20	19.5	19.4	98	97	80-120	.7	20	
Naphthalene	ug/L	20	18.2	18.3	91	91	80-120	.2	20	
Toluene	ug/L	20	20.4	20.4	102	102	80-120	.05	20	
Xylene (Total)	ug/L	60	60.1	59.6	100	99	80-120	.8	20	
a,a,a-Trifluorotoluene (S)	%				101	101	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 436397 436398

Parameter	Units	4044509008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	<4.3	200	200	200	206	100	103	31-178	3	20	
1,3,5-Trimethylbenzene	ug/L	8.9J	200	200	215	221	103	106	66-145	3	20	
Benzene	ug/L	1820	200	200	1960	2150	69	164	23-177	9	20	
Ethylbenzene	ug/L	41.8	200	200	247	256	103	107	63-144	3	20	
Methyl-tert-butyl ether	ug/L	<3.8	200	200	195	194	98	97	80-120	.6	20	
Naphthalene	ug/L	59.6	200	200	236	245	88	93	63-140	4	20	
Toluene	ug/L	35.2	200	200	237	245	101	105	53-164	3	20	
Xylene (Total)	ug/L	94.0	600	600	699	722	101	105	41-166	3	20	
a,a,a-Trifluorotoluene (S)	%						94	94	80-120			

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QUALITY CONTROL DATA

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044450

QC Batch: ICP/4458
QC Batch Method: EPA 6010
Analysis Method: EPA 6010
Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 4044450001

METHOD BLANK: 436305 Matrix: Water
Associated Lab Samples: 4044450001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<1.7	7.5	04/14/11 16:20	

LABORATORY CONTROL SAMPLE: 436306

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	500	461	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 436307 436308

Parameter	Units	4044465001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead, Dissolved	ug/L	2.4J	500	500	463	459	92	91	75-125	.8	20	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044450

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

Pace Analytical®
www.pacelabs.com

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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 10-731 JEFFERY PROPERTY
Pace Project No.: 4044450

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4044450001	SUMP	WI MOD GRO	GCV/6500		
4044450002	TRIP BLANK	WI MOD GRO	GCV/6500		
4044450001	SUMP	EPA 6010	ICP/4458		

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
P.O. Box 8044
Madison, Wisconsin 53708-8044
TTY: Contact Through Relay
Fax: (608) 267-1381
Scott Walker, Governor
Paul F. Jadin, Secretary

commerce.wi.gov
Wisconsin
Department of Commerce

May 24, 2011

Thomas Jeffery
W1003 County Rd CI
Palmyra, WI 53156

RE: **Final Closure**

Commerce # 53156-9688-03-A DNR BRRTS # 03-28-228585
Jeffery Property, W1003 Cty Rd CI, Palmyra

Dear Mr. Jeffery:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure prepared by your consultant, Saga Environmental & Engineering, for the site referenced above. Commerce has determined that this site does not pose a significant threat to human health or the environment. This case is now listed as "closed" on the Commerce database. No further investigation or remedial action is necessary.

During the final groundwater sampling event conducted on November 15, 2010, the preventive action limits (PAL) for Benzene and Lead were attained or exceeded at temporary monitoring wells SB103 and SB104, including Benzene at 0.50 micrograms per liter and Lead at 2.0 micrograms per liter, respectively. Commerce is issuing a PAL exemption, per section NR 140.28(2), Wisconsin Administrative Code, for Benzene and Lead at the referenced property.

It is in your best interest to keep all documentation related to the environmental activities at your site. If residual contamination is encountered in the future, it must be managed in accordance with all applicable statutes and rules. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

Timely filing of your final PECFA claim (if applicable) is encouraged. If your PECFA claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 261-5401.

Sincerely,

Shawn A. Wenzel
Senior Hydrogeologist
Site Review Section

cc: Paula Richardson, Saga Environmental & Engineering, Inc.

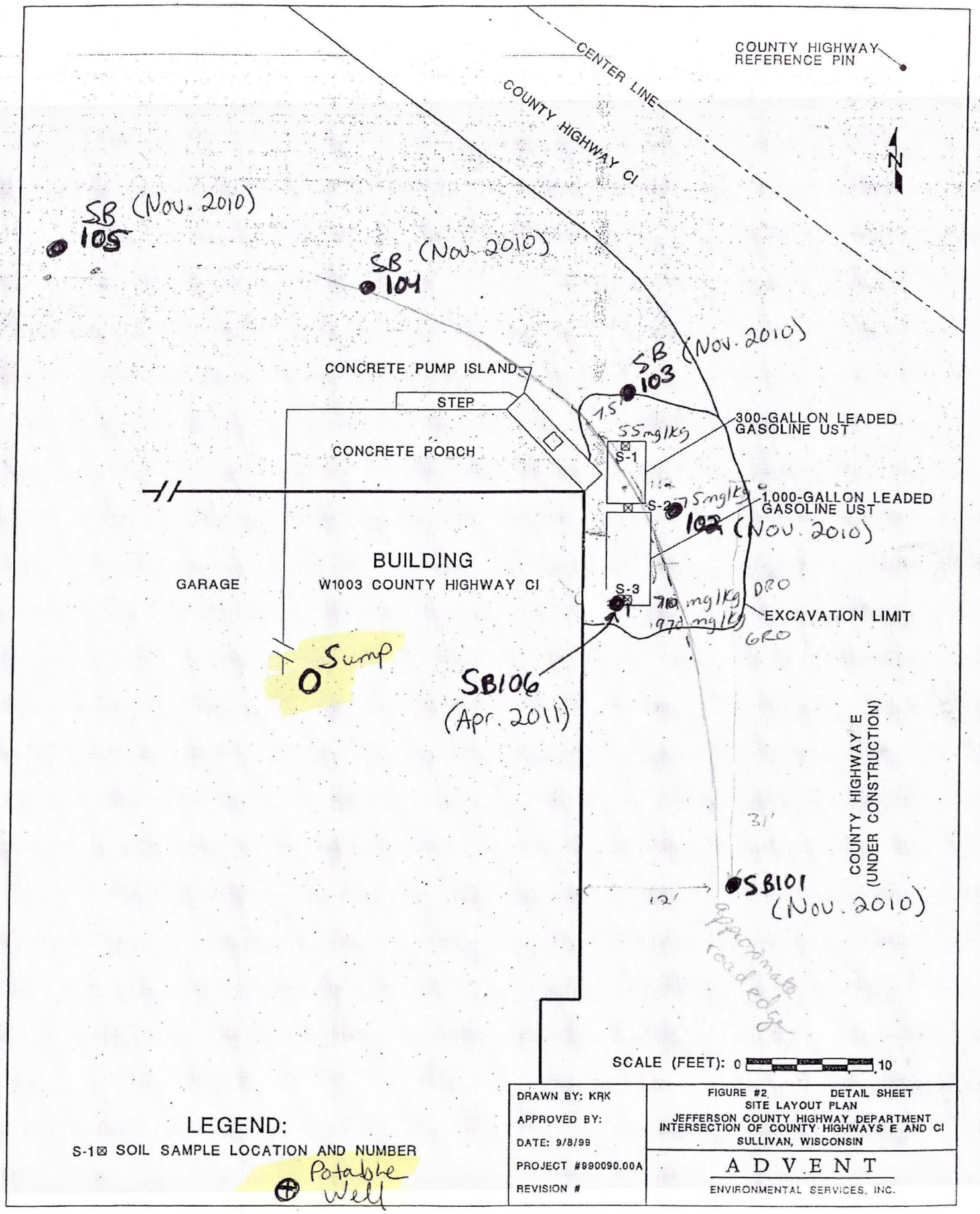
COUNTY HIGHWAY REFERENCE PIN
CENTER LINE
COUNTY HIGHWAY CI
N
SB (Nov. 2010) 105
SB (Nov. 2010) 104
SB (Nov. 2010) 103
CONCRETE PUMP ISLAND
STEP
CONCRETE PORCH
1.5'
55 mg/kg
S-1
300-GALLON LEADED GASOLINE UST
S-2
5 mg/kg
1,000-GALLON LEADED GASOLINE UST
102 (Nov. 2010)
BUILDING
W1003 COUNTY HIGHWAY CI
GARAGE
S-3
710 mg/kg DRO
972 mg/kg GRO
EXCAVATION LIMIT
Sump
SB106 (Apr. 2011)
31'
12'
SB101 (Nov. 2010)
COUNTY HIGHWAY E (UNDER CONSTRUCTION)
approximate road edge
SCALE (FEET): 0 10
LEGEND:
S-1⊠ SOIL SAMPLE LOCATION AND NUMBER
Potable Well
DRAWN BY: KRK
APPROVED BY:
DATE: 9/8/99
PROJECT #990090.00A
REVISION #
FIGURE #2 DETAIL SHEET
SITE LAYOUT PLAN
JEFFERSON COUNTY HIGHWAY DEPARTMENT
INTERSECTION OF COUNTY HIGHWAYS E AND CI
SULLIVAN, WISCONSIN
ADVENT
ENVIRONMENTAL SERVICES, INC.

TABLE 1
GROUNDWATER ANALYTICAL SUMMARY
JEFFERY PROPERTY
PALMYRA, WI
Concentrations in µg/L

Sample ID	Date	Volatile Organic Compounds (VOCs; µg/L) Benzene	Ethylbenzene	Toluene	Xylenes	Methyl tert-butyl ether	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Naphthalene	Lead, Dissolved (µg/L)
Wisconsin Administrative Code NR 140 Groundwater Standards										
NR 140 PAL		0.5	140	160	400	12	96		10	1.5
NR 140 ES		5	700	800	2,000	60	480		100	15
Temporary Monitoring Well Samples										
SB101	11/15/2010	0.42	<0.41	0.85	<1.3	<0.38	<0.43	<0.40	<0.40	–
SB102	11/15/2010	<0.39	<0.41	0.62	<1.3	<0.38	<0.43	<0.40	<0.40	<1.7
SB103	11/15/2010	*0.50*	0.45 J	1.4	<1.3	<0.38	<0.43	<0.40	<0.40	<1.7
SB104	11/15/2010	<0.78	17.3	<0.76	21.4	<0.76	14.1	7.1	4.9	*2.0*
SB105	11/15/2010	0.45	2.8	1.0	<1.3	<0.38	<0.43	<0.40	<0.40	<1.7
Potable Well Sample										
PW-1	12/9/2010	<0.39	<0.41	<0.42	<1.3	<0.38	<0.43	<0.40	<0.40	<1.4
Sump Water Sample										
Sump	4/11/2011	<0.39	<0.41	<0.42	<1.3	<0.38	<0.43	<0.40	<0.40	<1.7

Notes:

0.50 : Concentration meets or exceeds NR 140 PAL.
µg/L : Micrograms per liter.
PAL : Preventive Action Limit.
ES : Enforcement Standard.
<0.20 : Analyte not detected above limit of detection shown.

Jeffery Property 03-28-228585

Hello Ms. Greve,

I sincerely apologize for not responding sooner on addressing this problem.

I would like very much to hire someone to test the soil and plan to do so. Due to money issues, I was hoping that you could give me a 6 month extension on the testing date.

If not, I understand - sorry for the delay.

Thank you,
Tom

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Lloyd L. Eagan, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY Access via relay - 711

December 29, 2009

Mr. Thomas Jeffery
W1003 County Highway CI
Palmyra, WI 53156

Subject: **Notice of Non-compliance** - ch. 292, Wis. Statutes; Jeffery Property, W1003 County Highway CI, Palmyra; Jefferson County; BRRTS# 03-28-228585

Dear Mr. Jeffery:

On May 4, 2000, the Department of Natural Resources sent you a letter informing you that contamination had been discovered during the removal of two underground storage tanks from your property. That letter explained your responsibilities under the hazardous substances spill law, s. 292.11 (3) Wisconsin Statutes to "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." Having not received verification that the requirements of its 2000 letter had been met, the Department sent letters on July 12, 2007 and July 15, 2009, reminding you of your continuing responsibility to address the contamination on your property.

To date, the Department has not received correspondence indicating that you have taken any action regarding this matter. The Department interprets your failure hire an environmental consultant as a failure to complete investigation/remediation activities at the Site. Therefore, the Department alleges that you are in violation of s. 292.11(3), Wis. Statues.

The requirement to hire an environmental consultant to complete a site investigation and, if necessary, remediation of the site remains in effect and must be complied with within 30 days of the date of this letter. Failure to respond in writing **within 30 days** of the date of this letter will be viewed as a negative response and will result in further enforcement action. Be advised that the Department has the ability to record an affidavit on the property deed for the site, pursuant to s. NR 728.11, Wis. Adm. Code. The intent of the affidavit is to give notice of contamination on the property, and, in particular, to alert potential purchasers of the property of the contamination.

If you have questions about this letter or how you need to proceed, please contact me at the address listed above, by phone at (608)275-3220, or at the email address listed below.

Sincerely,

Rachel Greve

Rachel Greve
Hydrogeologist - South Central Region
Bureau for Remediation and Redevelopment
rachel.greve@wisconsin.gov

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
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Fitchburg, Wisconsin 53711-5397
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FAX 608-275-3338
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January 20, 2010

Mr. Tom Jeffery
W1003 County Highway CI
Palmyra, WI 53156

Subject: **Site Cleanup Next Steps**
Jeffery Property, W1003 County Highway CI, Palmyra, Jefferson County
BRRTS #03-28-228585

Dear Mr. Jeffery:

Thank you for your reply to my December 29, 2009 letter. I appreciate the financial difficulties that can result from a site investigation and cleanup effort.

Many of the costs for the needed work may be reimbursed by Wisconsin's Petroleum Environmental Cleanup Fund Award (PECFA) program. For information on initial site eligibility, please contact Renee Dickey of the Department of Commerce at 608-264-8765. Depending on your financial situation, you may qualify for a reduced PECFA deductible, thereby relieving you of more of the long-term costs for this work. Please contact Dorothy White of the Department of Commerce at 608-266-3713 if you wish to discuss the possibility of a reduced deductible.

Your responsibilities under Section 292.11 of the Wisconsin Statutes (also known as the "spills law") require you to determine the extent of contamination and, if necessary, clean up and properly dispose of contaminants. To get the case closed, you will need to hire a qualified environmental consultant to perform an environmental investigation in compliance with Wisconsin Administrative Code NR 700 series. I've attached a list of environmental consultants that work in the PECFA program to aid you in hiring a consultant.

By **April 30, 2010**, you must provide the Department with an update on the status of your efforts to begin a cleanup at this site. When you have contracted with an environmental consultant to complete this work, you will need to inform the Department, in writing, of their name and address. That correspondence must also include the date by which your consultant will begin the site investigation field work and a schedule for completing that investigation. Within forty-five (45) days of completing the site investigation field work, your consultant will need to submit a report on the results of the investigation. The report should include recommendations for additional work or case closure, as appropriate.

If you have questions about how you need to proceed, feel free to call me at 608-275-3220.

Sincerely,

Rachel Greve

Rachel Greve
Hydrogeologist - South Central Region
Bureau for Remediation and Redevelopment
rachel.greve@wisconsin.gov

cc: Renee Dickey, DCOMM (via email)
file

Enclosures

If you have questions about how you need to proceed, feel free to call me at 608-275-3220.

Sincerely,

Rachel Greve

Rachel Greve
Hydrogeologist - South Central Region
Bureau for Remediation and Redevelopment
rachel.greve@wisconsin.gov

cc: Renee Dickey, DCOMM (via email)
file

Enclosures

MS. GREVE,

ON APRIL 20th I MET WITH PAULA RICHARDSON FROM RSV ENGINEERING TO DISCUSS THE TESTING OF MY PROPERTY.

MS. RICHARDSON IS PUTTING TOGETHER A CONTRACT THAT I WILL DISCUSS (WITH HER) IN TAG NEXT WEEK OR SO. I ANTICIPATE I WILL CONTRACT RSV TO CONDUCT ALL INVESTIGATION AND CLEAN UP IF NECESSARY.

WHEN THE CONTRACT IS FINALIZED AND SIGNED, I WILL NOTIFY YOU.

Tom Imfeld

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Lloyd L. Eagan, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
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January 20, 2010

Over →

Mr. Tom Jeffery
W1003 County Highway CI
Palmyra, WI 53156

Subject: **Site Cleanup Next Steps**
Jeffery Property, W1003 County Highway CI, Palmyra, Jefferson County
BRRTS #03-28-228585

Dear Mr. Jeffery:

Thank you for your reply to my December 29, 2009 letter. I appreciate the financial difficulties that can result from a site investigation and cleanup effort.

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By **April 30, 2010**, you must provide the Department with an update on the status of your efforts to begin a cleanup at this site. When you have contracted with an environmental consultant to complete this work, you will need to inform the Department, in writing, of their name and address. That correspondence must also include the date by which your consultant will begin the site investigation field work and a schedule for completing that investigation. Within forty-five (45) days of completing the site investigation field work, your consultant will need to submit a report on the results of the investigation. The report should include recommendations for additional work or case closure, as appropriate.

Phone Log Rachel Greve

Date:	4/22/2010	
Site Name:	Jeffery Property	03-28-228585
Contact Name:	Paula Richardson, RSV Engineering	
Subject:	PECFA Eligibility	

Tom Jeffery contacted RSV Engineering about conducting a site investigation at his property. They do not have a contract yet but will in the near future. The site is listed in BOTW as not PECFA eligible, but this is probably because the tanks were never registered. Paula wanted to know if they could register the tanks now. PECFA does allow after-the-fact tank registration. I mentioned the agent process and PECFA deductible deferment as possible ways to help finance the cleanup.

BRRTS Freeview Details

Site name and address changed 2-15-07

SELECTED RECORD

LOCATION: JEFFREY PROPERTY

ADDRESS: W1003 CNTY HWY CI

MUNICIPALITY: PALMYRA

COUNTY: JEFFERSON

REGION: SC

FID: 268568190

SITE GEO

PLSS: None 1/4 of None 1/4 of Section None, TNoneN, RNo

LAT/LONG: None° None' None" None° None' None"

RR ACTIVITIES [1]

03-28-228585 JEFFREY PROPERTY

TYPE: LUST

START: 08/27/1999

END: None

ADDL ADDRESS: None

COMMENT: None

FILE LOCATION: NW 1/4, SE 1/4, Section 34, Tn 6N, Range

DCOM NUMBER: None

CREATED 09/01/1999 11:00:43 BY BROWNBJ

UPDATED 02/15/2007 13:40:03 BY WEIHEW

ACTIONS [4]

08/27/1999 - 1 Notification :

10/25/1999 - 2 RP Letter Sent :

11/01/1999 - 33 Tank Closure/Site Assessment Report Rec

05/04/2000 - 2 RP Letter Sent/2 :

ACTIVITY GEO

PLSS: NW 1/4 of SE 1/4 of Section 34, T06N, R16E

LAT/LONG: None° None' None" None° None' None"

CHANGE HISTORY [0]

NO CHANGES FOUND

ELIGIBILITY [0]

None

EXCEEDENCES [0]

NO EXCEEDENCES

FLAGS [0]

NO FLAGS

IMPACTS [1]

Soil Contamination

PHANTOM CONTAMINATION [0]

NO PHANTOM CONTAMINATION

PRIORITY [1]

09/01/1999 PRIORITY: Unknown

RISK [1]

12/01/1999 Unknown

SCORING [0]

NONE

- FINANCIAL TRANSACTIONS [0]
  - NO SL EXPENDITURES
- SUBSTANCES [1]
  - PETROLEUM : GASOLINE
    - COMMENT: None
    - OTHER DESC: Gasoline
    - RELEASED: None None
    - RECOVERED: None None
    - PHYSICAL CHAR: None
    - COLOR: None
    - ODOR: None
- WHO [2]
  - Responsible Party
    - THOMAS JEFFERY
    - W1003 CTH CI
    - PALMYRA, WI 53156
    - UNITED STATES
  - Project Manager
    - RANDALL MAASS
    - HYDROGEOLOGIST
    - 3911 FISH HATCHERY RD
    - FITCHBURG
- SHWIMS ACTIVITIES [0]
  - None

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Lloyd L. Eagan, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY Access via relay - 711

July 11, 2007

File Ref: 03-28-228585

Thomas Jeffery
W1003 CTH CI
Palmyra, WI 53156

Subject: Contamination at the Jeffrey Property, southwest corner of Highway CI & E, Sullivan.

Dear Mr. Jeffery:

On May 4, 2000, the Department of Natural Resources sent you a letter informing you that contamination had been discovered during the removal of two underground storage tanks from your property. That letter explained your responsibilities under the hazardous substances spill law, s. 292.11 (3) Wisconsin Statutes to "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."

The Department has not received a reply from you about your plans to address the contamination on your property. Unfortunately, due to an oversight, the Department did not follow up with you in a timely manner. It has recently come to our attention that no action has been taken to clean up the contamination identified on your property in 1999.

We regret the time lapse that has occurred between our first letter to you and this follow-up. When contamination is discovered, it is important to begin investigation and cleanup as soon as possible in order to prevent contamination from spreading. However, despite the delay, the investigation and cleanup of contamination on your property remains your responsibility. The first step toward complying with spill law requirements is to hire an environmental consultant to investigate and remediate the contamination on your property. Please contact the Department **within 60 days** regarding your plans for hiring a consultant.

It appears from our records that you did not receive the Site Assessment Report regarding the contamination at this site. Because Advent, the company that conducted the initial site investigation, is no longer in business, I am enclosing the pertinent portions of that report for your information.

If you have any questions about this letter, please feel free to contact me at (608) 275-3220.

Sincerely,

Rachel Greve

Rachel Greve
Hydrogeologist - South Central Region
Bureau for Remediation and Redevelopment
rachel.greve@wisconsin.gov

Enclosure: Site Assessment Report for Underground Storage Tank Closure

WISCONSIN
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Jim Doyle, Governor
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South Central Region Headquarters
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July 15, 2009

Mr. Thomas Jeffery
W1003 County Highway CI
Palmyra, WI 53156

Subject: Status of Required Actions to Address Contamination at the Jeffery Property, W1003 County Highway CI, Palmyra; Jefferson County; BRRTS# 03-28-228585

Dear Mr. Jeffery:

On May 4, 2000, the Department of Natural Resources sent you a letter informing you that contamination had been discovered during the removal of two underground storage tanks from your property. That letter explained your responsibilities under the hazardous substances spill law, s. 292.11 (3) Wisconsin Statutes to "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." Having not received verification that the requirements of its 2000 letter had been met, the Department sent a letter on July 12, 2007 reminding you of your continuing responsibility to address the contamination on your property. The Department has received no response to that letter.

The first step toward complying with spill law requirements is to hire an environmental consultant to investigate and remediate the contamination on your property. Please submit verification that you have hired an environmental consultant and also submit information on any actions that have been taken to address the contamination at the site. This information must be submitted to me by **September 15, 2009**. Not responding to this letter will be viewed as a negative response and may result in additional enforcement actions.

If you have any questions or comments, please contact me at (608) 275-3220 or at the address noted above. If I am unavailable, please contact Randy Maass at (608) 275-3224.

Sincerely,

Rachel Greve

Rachel Greve
Hydrogeologist - South Central Region
Bureau for Remediation and Redevelopment
rachel.greve@wisconsin.gov

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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Fitchburg, Wisconsin 53711-5397
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December 29, 2009

Mr. Thomas Jeffery
W1003 County Highway CI
Palmyra, WI 53156

Subject: **Notice of Non-compliance** - ch. 292, Wis. Statutes; Jeffery Property, W1003 County Highway CI, Palmyra; Jefferson County; BRRTS# 03-28-228585

Dear Mr. Jeffery:

On May 4, 2000, the Department of Natural Resources sent you a letter informing you that contamination had been discovered during the removal of two underground storage tanks from your property. That letter explained your responsibilities under the hazardous substances spill law, s. 292.11 (3) Wisconsin Statutes to "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." Having not received verification that the requirements of its 2000 letter had been met, the Department sent letters on July 12, 2007 and July 15, 2009, reminding you of your continuing responsibility to address the contamination on your property.

To date, the Department has not received correspondence indicating that you have taken any action regarding this matter. The Department interprets your failure hire an environmental consultant as a failure to complete investigation/remediation activities at the Site. Therefore, the Department alleges that you are in violation of s. 292.11(3), Wis. Statues.

The requirement to hire an environmental consultant to complete a site investigation and, if necessary, remediation of the site remains in effect and must be complied with within 30 days of the date of this letter. Failure to respond in writing **within 30 days** of the date of this letter will be viewed as a negative response and will result in further enforcement action. Be advised that the Department has the ability to record an affidavit on the property deed for the site, pursuant to s. NR 728.11, Wis. Adm. Code. The intent of the affidavit is to give notice of contamination on the property, and, in particular, to alert potential purchasers of the property of the contamination.

If you have questions about this letter or how you need to proceed, please contact me at the address listed above, by phone at (608)275-3220, or at the email address listed below.

Sincerely,

Rachel Greve

Rachel Greve
Hydrogeologist - South Central Region
Bureau for Remediation and Redevelopment
rachel.greve@wisconsin.gov

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

May 4, 2000

File Ref: 03-28-228585

Thomas and Dorothy Jeffery
W1003 CTH CI
Sullivan WI 53178

Subject: Jefferson County ROW, southwest corner of Highway CI & E, Sullivan

Dear Mr. & Mrs. Jeffery:

In August 1999, we notified the Jefferson County Highway Department that an investigation was needed at the above property location. Two underground storage tanks had been removed and contamination was encountered. We have since been contacted by the county regarding property ownership. After reviewing the property records, the county has advised us that the tanks in question were on your property, and thus, responsibility for investigation the contamination is yours.

The spill law authorizes the Department of Natural Resources to enforce cleanup of contaminated sites, under s. 292.11 of the Wisconsin Statutes. As the owner of the property where a hazardous substance discharge has occurred, you are required to determine the horizontal and vertical extent of contamination and clean-up/properly dispose of the contaminants.

Your legal responsibilities are defined both in statute and in administrative rules. The hazardous substance spill law, s. 292.11 (3) Wisconsin Statutes, states:

> RESPONSIBILITY. 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.

Wisconsin Administrative Code NR 700 through NR 728 establishes requirements for interim actions, public information, site investigation, design and operation of remedial action systems, and case closure. Wisconsin Administrative Code NR 140 establishes groundwater standards.

It is important that an investigation begins at your site as soon as possible. The longer contamination is left in the environment, the farther it can spread and the more difficult and costly it becomes to cleanup. Since this cleanup must comply with Wisconsin laws and rules, professional engineering and hydrogeologic experience is necessary. Therefore, you should hire a professional environmental consultant who can assure you that Department policies and guidelines are being followed.

Your consultant will help you in providing the Department with the following:

- Submit written verification (such as a letter from the consultant) that you have hired an environmental consultant. **Please submit this information within 30**

days of the date of this letter.

- Submit an investigation workplan explaining what work will be performed to identify the extent of contamination. This workplan should include a time schedule. Also, please provide documentation of any previous work performed related to this release.

- Submit the investigation report defining the degree and extent of any soil and/or groundwater contamination.

- Provide a remedial action plan outlining the remedy selected.

- Provide a remedial action report with data supporting your consultant's conclusions and recommendations for future work or site closure.

In addition, you will be required to keep the Department informed on site progress by submitting 60 day updates. You will be notified when to provide the status reports at the time you submit your investigation workplan.

There are times when staffing levels do not allow us to keep current with workload demands. However, to maintain your compliance with the spill law and chs. NR 700 through NR 728, investigation and cleanup actions should not be unnecessarily delayed waiting for DNR responses. In the event that you experience delays, please refer to NR 716.09(3) regarding Department review of sites.

Your correspondence and reports regarding this site should be sent to Marilyn Jahnke, Department of Natural Resources, 3911 Fish Hatchery Road, Fitchburg WI 53711. Unless otherwise requested, please send only one copy of all plans and reports. Correspondence should be identified with the site name and address which is listed in the subject of this letter.

I have enclosed a list of environmental consultants and some important tips on selecting one. If you are eligible for Wisconsins' PECFA program (see end of letter), you will need to compare at least three consultant's proposals before making your selection. Also enclosed are materials on controlling costs, understanding the cleanup process, and choosing a site cleanup method. Please read this information carefully.

Reimbursement from the Petroleum Environmental Cleanup Fund (PECFA) is available for the costs of cleaning up the contamination from eligible petroleum storage tanks. The fund is administered by the Department of Commerce. Please contact DCOM at (608) 266-2424 for more information on eligibility and regulations for this program.

If you have any questions about this letter or your responsibilities, please call me at (608) 275-3212.

Sincerely,

Marilyn Jahnke

Marilyn Jahnke, Program Assistant
Remediation & Redevelopment
Telephone: (608) 275-3212
jahnkm@dnr.state.wi.us

Bureau for Remediation and Redevelopment
Activity Detail Report - Case Tracking

file

Activity Number: 03-28-228585 **VPLE:** ☐ **Gen Prop:** ☐ **Activity Type:** LUST

Region: South Central Region **County:** Jefferson **FID:** 268568190

Location: JEFFERSON COUNTY RIGHT OF WAY **EPA ID:**

Address: SW CORNER OF CTY HWY CI & E **Start Date:** 08/27/1999 **End Date:** OPEN

Municipality: SULLIVAN **Project Manager:**

Legal Description: None Found **Priority:** Unknown

Latitude: None Found **Score:**

Longitude: None Found **LUST Trust Eligible:**

RECEIVED
FEB 16 2011
ERS DIVISION

Transferred DCom: ☐ **Pecfa Eligible:** ☐

Tracked by DCom: ☐ **Pecfa 80k:** ☐

Pecfa 80k Failure: ☐

Who:

Contact Type: RP CONTACT/AGENT
Name: RANDY KUHL
Title:
Company:
Address:
JEFFERSON, WI 53549
Phone: (920) 674-7391 Ext:
Fax: 9207231391
E-Mail:

Contact Type: CONSULTANT
Name: KEN KUEHN
Title:
Company:
Address: P.O. BOX 277
MEQUON, WI 530920277
Phone: (414) 371-5026 Ext: 3028
Fax:
E-Mail:

Contact Type: RESPONSIBLE PARTY
Name:
Title:
Company: JEFFERSON COUNTY
Address:
JEFFERSON, WI 53549
Phone: (920) 674-7391 Ext:
Fax: 9207231391
E-Mail:

Contact Type: CONSULTANT BRANCH OFFICE
Name:
Title:
Company: ADVENT ENVIRONMENTAL SERVICES
Address: P.O. BOX 277
MEQUON, WI 530920277
Phone: (414) 371-5026 Ext: 3028
Fax:
E-Mail:

Impacts:
Soil Contamination

Substances:
Leaded Gas

ERP Substances:
Leaded Gas
Treatment Flag: ☐ Disposal Flag: ☐ Landfill Flag: ☐
Disposal City:

Actions:

1	Notification	08/27/99
2	RP Letter Sent	09/02/99

268568190

03-28-228585

Wisconsin Department of Natural Resources

Notification of Petroleum Contamination from Underground / Aboveground Storage Tank Systems

RECEIVED AUG 27 1999

Please complete this form and FAX it to the appropriate WDNR contact person (see list on back page) immediately upon discovery of a release from (CIRCLE ONE): UST / AST system.

TO: WDNR, Attn: Pat Chung

FAX #: 263-8483

PLEASE TYPE or PRINT LEGIBLY:

1. **Name, company, mailing address and phone number of person reporting the discharge:**

Kent Kuehn
Advent Environmental Services
PO Box 277
Mequon, WI 53092-0277

Ph # 414-371-5021
Ph # 371-5026
Ext # 3028

2. **Site Information**

Name of site at which discharge occurred (local name of site/business -- not responsible party name, unless a residence): Jefferson County (Right-of-way)
Intersection of County Highways CI and E

Location (actual street address, not PO box; if no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60): Southwest Corner of County Highway CI and E (Intersection)

Municipality (city, village, township in which the site is located -- not mailing address):
Town of Sullivan

County:
Jefferson

Legal Description: NW 1/4, SE 1/4, Section 34, Tn 6N, Range 16 (E) W

3. **Responsible Party (RP) and/or RP Representative Information**

RP / Business Name: Jefferson County

Contact Person (if different): Mr. Randy Kuhl

Mailing Address (with zip code):
631 N. Watertown Road
Jefferson, WI 53549

Telephone Number:
920-674-7391 or 920-723-1391 (mobil)

4. **Identity, physical state and quantity of the hazardous substance discharged (check all that apply):**

- ____ Unleaded gasoline
- X Leaded gasoline
- ____ Diesel
- ____ Fuel oil
- ____ Waste oil
- ____ Other____

5. **Impacts to the environment (enter "K" for known/confirmed or "P" for potential for all that apply):**

____ Fire/explosion threat	X Soil contamination
____ Contaminated private wells (# of wells)____	____ Surface water impacts
____ Contaminated public wells	____ Floating product
X Groundwater contamination	____ Other____

6. **Contamination was discovered as a result of:**

X Tank closure assessment ____ Site assessment ____ (other)____

On what date: *August 12, 1999

*ANALYTICAL Results Received 8/26/99

Additional Comments:

Samples Taken at approximately 7.5 feet below ground Surface. Groundwater encountered at approximately 8.0 feet below ground Water.

See enclosed analytical Results

FAX numbers to report leaking tank sites in DNR's five regions are as follows:

Northeast Region (920-492-5859)
Underground Tanks: Attention - Janis DeBrock
Aboveground Tanks: Attention - Roxanne Chronert
Brown, Calumet, Door, Fond du Lac ***(except City of Waupun - see South Central Region)***, Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Waupaca, Waushara, Winnebago Counties

Northern Region (715-365-8932); Attention - Janet Kazda:
Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn Counties

South Central Region (608-275-3338); Attention - Marilyn Jahnke:
Columbia, Crawford, Dane, Dodge, Fond du Lac ***(City of Waupun only)***, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk Counties

Southeast Region ~~(414-229-6810)~~; Attention - ~~Mike Farley~~: Pat Chung 263-8483
Kenosha, Milwaukee, Ozaukee, Racine, Sheboygan, Walworth, Washington, Waukesha Counties

West Central Region (715-839-6076); Attention - John Grump:
Adams, Buffalo, Chippewa, Clark, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood Counties

Rev. 9/97

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Advent Environmental Services -
P.O. Box 277
Mequon, WI 53092-0277
Attention: Ken Kuehn

Client Project ID: Jefferson County Highway
Sample Descript: Soil
Analysis for: Percent Solids, EPA 7.3.3.1.5
First Sample #: B908210-01

Sampled: Aug 12, 1999
Received: Aug 13, 1999
Analyzed: Aug 19, 1999
Reported: Aug 25, 1999

LABORATORY ANALYSIS FOR: Percent Solids, EPA 7.3.3.1.5

Sample Number	Sample Description	Detection Limit %	Sample Result %
B908210-01	S-1 (North)	0.10	80
B908210-02	S-2 (Middle)	0.10	83
B908210-03	S-3 (South)	0.10	82

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

B908210-01.ADV <1>

GREAT LAKES ANALYTICAL
1380 Busch Parkway
Buffalo Grove, Illinois 60089
Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Advent Environmental Services - P.O. Box 277
Mequon, WI 53092-0277
Attention: Ken Kuehn

Client Project ID: Jefferson County Highway
Matrix Descript: Soil
Analysis Method: WDNR DRO
First Sample #: B908210-01

Sampled: Aug 12, 1999
Received: Aug 13, 1999
Extracted: Aug 17, 1999
Analyzed: Aug 24, 1999
Reported: Aug 25, 1999

DIESEL RANGE ORGANICS

Sample Number	Sample Description	Detection Limit mg/kg, Dry Weight (ppm)	High B.P. Hydrocarbons mg/kg, Dry Weight (ppm)	Chromatogram Description
B908210-01	S-1 (North)	6.2	8.9	Diesel Range, Late Gas Range, Early Peaks, Non-Characteristic Diesel Pattern
B908210-02	S-2 (Middle)	6.0	76	Diesel Range, Diesel Pattern,Early Peaks
B908210-03	S-3 (South)	61	970	Diesel Range,Early Peaks, Non-Characteristic Diesel Pattern

High Boiling Point Hydrocarbons is performed as described in Leaking Underground Storage Tank Analytical Guidance, July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

B908210-01.ADV <2>

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Advent Environmental Services
P.O. Box 277
Mequon, WI 53092-0277
Attention: Ken Kuehn

Client Project ID: Jefferson County Highway
Matrix Descript: Soil
Analysis Method: WDNR GRO
First Sample #: B908210-01

Sampled: Aug 12, 1999
Received: Aug 13, 1999
Analyzed: Aug 18, 1999
Reported: Aug 26, 1999

GASOLINE RANGE ORGANICS

Sample Number	Sample Description	Detection Limit mg/kg, Dry Weight (ppm)	Low/Medium B.P. Hydrocarbons mg/kg, Dry Weight (ppm)	Chromatogram Description
B908210-01	S-1 (North)	6.3	55	Gas Range, Several Large Peaks, Elevated Baseline
B908210-02	S-2 (Middle)	6.0	75	Gas Range, Several Large Peaks, Elevated Baseline
B908210-03	S-3 (South)	61	710	Gas Range, Several Large Peaks, Elevated Baseline

Low to Medium Boiling Point Hydrocarbons is performed as described in Leaking Undergound Storage Tank Analytical Guidance July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

B908210-01.ADV <3>

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Advent Environmental Services - P.O. Box 277
Mequon, WI 53092-0277
Attention: Ken Kuehn

Client Project ID: Jefferson County Highway
Matrix Descript: Liquid
Analysis Method: WDNR GRO
First Sample #: B908210-04

Sampled: Aug 12, 1999
Received: Aug 13, 1999

Analyzed: Aug 18, 1999
Reported: Aug 26, 1999

GASOLINE RANGE ORGANICS

Sample Number	Sample Description	Detection Limit µg/L (ppb)	Low/Medium B.P. Hydrocarbons µg/L (ppb)	Chromatogram Description
B908210-04	Methenol Blank	5,000	N.D.	---

Low to Medium Boiling Point Hydrocarbons is performed as described in Leaking Undergound Storage Tank Analytical Guidance July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

B908210-01.ADV <4>

LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, IL 60089-4505
(847) 808-7766
FAX (847) 808-7772

20725 Watertown Road
Brookfield, WI 53501
(414) 798-1030
FAX (414) 798-1066

CHAIN OF CUSTODY REPORT

08/26 '99 17:19 NO.014 06/06

8478087772

Client: Advent Env. Services
Address: PO Box 277
Whequon, WI 53092-0277
Report to: Ken Kuehn Phone #: (847) 880-1999 Fax #: (800)
Project: Jefferson County Highway
Sampler: Ken Kuehn
PO/Quote #: 990090.00

Bill To: Advent Env.
Address: Same
Same
State & Program: WI WST Phone #: (800) 830-898 Fax #:

TAT: 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.
DATE RESULTS NEEDED: Normal
TEMPERATURE UPON RECEIPT: ON ICE
AIR BILL NO. GLADIU

FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	PRESERVATIVES	NO. CONTAINERS	TYPE CONTAINERS	DRO GRO BTEX	SAMPLE CONTROL: CRACKED/BROKEN, MISSING/SEALED, GOOD CONDITION	LABORATORY ID NUMBER
1 S-1 (North)	8/12/99	1:40pm	S	Methanol	3	G	X X X	Y	B908210-01
2 S-2 (Middle)	"	1:45pm	"	"	3	"	X X X	Y	-02
3 S-3 (South)	"	1:24pm	"	"	3	"	X X X	Y	-03
4 Methanol Blank	"	11:40am	"	"	1	"	X	Y	-04
5									
6									
7									
8									
9									
10									
11									
12									

RELINQUISHED: Kenneth Kuehn 8/12/99
RECEIVED: K Ostrander 8/13/99
RELINQUISHED: K Ostrander 8/13/99
RECEIVED: Amy Loomis 8/13

GREAT LAKES ANALYTIC

COMMENTS: Please analyze Gasoline and Diesel Range organics per State of Wisconsin Lust Program

PAGE 1 OF 1

Bureau for Remediation and Redevelopment
Activity Detail Report - Case Tracking

Chris

Activity Number: 03-28-228585 **VPLE:** ☐ **Gen Prop:** ☐ **Activity Type:** LUST

Region: South Central Region **County:** Jefferson **FID:** 268568190

Location: JEFFERSON COUNTY RIGHT OF WAY **EPA ID:**

Address: SW CORNER OF CTY HWY CI & E **Start Date:** 08/27/1999 **End Date:** OPEN

Municipality: SULLIVAN **Project Manager:**

Legal Description: None Found **Priority:** Unknown

Latitude: None Found **Score:**

Longitude: None Found **LUST Trust Eligible:**

Transferred DCom: ☐ **Pecfa Eligible:** ☐

Tracked by DCom: ☐ **Pecfa 80k:** ☐

Pecfa 80k Failure: ☐

Who:

Contact Type: RP CONTACT/AGENT
Name: RANDY KUHL
Title:
Company:
Address:
JEFFERSON, WI 53549
Phone: (920) 674-7391 Ext:
Fax: 9207231391
E-Mail:

Contact Type: CONSULTANT
Name: KEN KUEHN
Title:
Company:
Address: P.O. BOX 277
MEQUON, WI 530920277
Phone: (414) 371-5026 Ext: 3028
Fax:
E-Mail:

Contact Type: RESPONSIBLE PARTY
Name:
Title:
Company: JEFFERSON COUNTY
Address:
JEFFERSON, WI 53549
Phone: (920) 674-7391 Ext:
Fax: 9207231391
E-Mail:

Contact Type: CONSULTANT BRANCH OFFICE
Name:
Title:
Company: ADVENT ENVIRONMENTAL SERVICES
Address: P.O. BOX 277
MEQUON, WI 530920277
Phone: (414) 371-5026 Ext: 3028
Fax:
E-Mail:

Impacts:
Soil Contamination

Substances:
Leaded Gas

ERP Substances:
Leaded Gas
Treatment Flag: ☐ Disposal Flag: ☐ Landfill Flag: ☐
Disposal City:

Actions:

1	Notification	08/27/99
2	RP Letter Sent	09/02/99

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Date: August 25, 1999

Advent Environmental Services - Mequon
P.O. Box 277
Mequon, WI 53092-0277
Attention: Ken Kuehn

Project: Jefferson County Highway

Enclosed are the results from 3 soil samples and 1 liquid sample received at Great Lakes Analytical on August 19, 1999. The requested analyses are listed below:

SAMPLE#	SAMPLE DESCRIPTION	DATE OF COLLECTION	TEST METHOD
B908210-01	Soil, S-1 (North)	8/12/99	Percent Solids, EPA 7.3.3.1.5 WDNR DRO WDNR GRO
B908210-02	Soil, S-2 (Middle)	8/12/99	Percent Solids, EPA 7.3.3.1.5 WDNR DRO WDNR GRO
B908210-03	Soil, S-3 (South)	8/12/99	Percent Solids, EPA 7.3.3.1.5 WDNR DRO WDNR GRO
B908210-04	Liquid, Methanol Blank	8/12/99	WDNR GRO

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

Certifications: AALA-401.01; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11497; Pennsylvania DEP-68-500; Tennessee DOH-02804; Tennessee DEC; Wisconsin SNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Advent Environmental Services -	Client Project ID:	Jefferson County Highway	Sampled:	Aug 12, 1999
P.O. Box 277	Sample Descript:	Soil	Received:	Aug 13, 1999
Mequon, WI 53092-0277	Analysis for:	Percent Solids, EPA 7.3.3.1.5		
Attention: Ken Kuehn	First Sample #:	B908210-01	Analyzed:	Aug 19, 1999
			Reported:	Aug 25, 1999

LABORATORY ANALYSIS FOR: Percent Solids, EPA 7.3.3.1.5

Sample Number	Sample Description	Detection Limit %	Sample Result %
B908210-01	S-1 (North)	0.10	80
B908210-02	S-2 (Middle)	0.10	83
B908210-03	S-3 (South)	0.10	82

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

B908210-01.ADV <1>

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Advent Environmental Services -	Client Project ID:	Jefferson County Highway	Sampled:	Aug 12, 1999
P.O. Box 277	Matrix Descript:	Soil	Received:	Aug 13, 1999
Mequon, WI 53092-0277	Analysis Method:	WDNR DRO	Extracted:	Aug 17, 1999
Attention: Ken Kuehn	First Sample #:	B908210-01	Analyzed:	Aug 24, 1999
			Reported:	Aug 25, 1999

DIESEL RANGE ORGANICS

Sample Number	Sample Description	Detection Limit mg/kg, Dry Weight (ppm)	High B.P. Hydrocarbons mg/kg, Dry Weight (ppm)	Chromatogram Description
B908210-01	S-1 (North)	6.2	8.9	Diesel Range, Late Gas Range, Early Peaks, Non-Characteristic Diesel Pattern
B908210-02	S-2 (Middle)	6.0	76	Diesel Range, Diesel Pattern, Early Peaks
B908210-03	S-3 (South)	61	970	Diesel Range, Early Peaks, Non-Characteristic Diesel Pattern

High Boiling Point Hydrocarbons is performed as described in Leaking Underground Storage Tank Analytical Guidance, July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

B908210-01.ADV <2>

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Advent Environmental Services -
P.O. Box 277
Mequon, WI 53092-0277
Attention: Ken Kuehn

Client Project ID: Jefferson County Highway
Matrix Descript: Soil
Analysis Method: WDNR GRO
First Sample #: B908210-01

Sampled: Aug 12, 1999
Received: Aug 13, 1999

Analyzed: Aug 18, 1999
Reported: Aug 26, 1999

GASOLINE RANGE ORGANICS

Sample Number	Sample Description	Detection Limit mg/kg, Dry Weight (ppm)	Low/Medium B.P. Hydrocarbons mg/kg, Dry Weight (ppm),	Chromatogram Description
B908210-01	S-1 (North)	6.3	55	Gas Range, Several Large Peaks, Elevated Baseline
B908210-02	S-2 (Middle)	6.0	75	Gas Range, Several Large Peaks, Elevated Baseline
B908210-03	S-3 (South)	61	710	Gas Range, Several Large Peaks, Elevated Baseline

Low to Medium Boiling Point Hydrocarbons is performed as described in Leaking Undergound Storage Tank Analytical Guidance July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

B908210-01.ADV <3>

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Advent Environmental Services -	Client Project ID:	Jefferson County Highway	Sampled:	Aug 12, 1999
P.O. Box 277	Matrix Descript:	Liquid	Received:	Aug 13, 1999
Mequon, WI 53092-0277	Analysis Method:	WDNR GRO		
Attention: Ken Kuehn	First Sample #:	B908210-04	Analyzed:	Aug 18, 1999
			Reported:	Aug 26, 1999

GASOLINE RANGE ORGANICS

Sample Number	Sample Description	Detection Limit µg/L (ppb)	Low/Medium B.P. Hydrocarbons µg/L (ppb)	Chromatogram Description
B908210-04	Methanol Blank	5,000	N.D.	---

Low to Medium Boiling Point Hydrocarbons is performed as described in Leaking Undergound Storage Tank Analytical Guidance July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

B908210-01.ADV <4>

ADVENT

Advent
Environmental
Services, Inc.

October 28, 1999

Mr. Randy Kuhl
631 N. Watertown Road
Jefferson, WI 53549

Re: Site Assessment Report for Underground Storage Tank (UST) Closure, Jefferson County Highway Department Project, Intersection of County Highways E and CI (right of way), Sullivan, Wisconsin
Advent Project No. 990090.00.

Dear Mr. Kuhl:

Advent Environmental Services, Inc., has prepared a Site Assessment Report for Underground Storage Tank Closure for the Jefferson County Highway Department project located at the intersection of County Highways E and CI. Gasoline range organic (GRO) and diesel range organic (DRO) concentrations were detected in soil samples collected from beneath the 1,000-gallon and 300-gallon leaded gasoline underground storage tanks (USTs). Laboratory analysis revealed GRO and DRO concentrations in excess of the Wisconsin Department of Natural Resources (WDNR) site investigation guideline of 10 ppm. Advent notified the WDNR of this release on August 27, 1999. Advent recommends investigating the extent of this petroleum release.

Advent has submitted this report to the Wisconsin Department of Natural Resources (WDNR) at the following address:

Ms. Marilyn Jahnke
Remediation and Redevelopment Program
WDNR – South Central District
3911 Fish Hatchery Road
Fitchburg, WI 53711-5397

If you have any questions or concerns, please call me at (414) 371-5026, ext. 3028.

Sincerely,

Ken Kuehn
Geologist — Mequon Office

CC: Ms. Marilyn Jahnke, WDNR Remediation and Redevelopment Program

990090r0a.doc

10845 N. Buntrock Ave. 64W Mequon, WI 53092
414-238-1998 1-800-880-1998 Fax 414-238-1988

Site Background Information

The underground storage tank (UST) systems were located in the Jefferson County Highway right of way and fall under the jurisdiction of the Jefferson County Highway Department. The UST systems were located at the southwest corner of the intersection of County Highways E and CI, Sullivan, Wisconsin (NW¼, SE¼, Sec. 34, T.6N., R.16E.). The area is located in the Jefferson County right of way adjacent to a residential/commercial building. (See Figure 1.) The site is surrounded by residential and commercial properties.

One 1,000-gallon leaded gasoline UST and one 300-gallon leaded gasoline UST were located in the Jefferson County right of way. These USTs were used for retail sales of gasoline in the past, at the adjacent property. (See Figure 2.) The USTs were not registered with the Wisconsin Department of Commerce (WDCOM).

Tank Activities and Excavations

Advent provided closure assessment services for the removal of one 1,000-gallon leaded gasoline UST and one 300-gallon leaded gasoline UST on August 12, 1999. Copies of the Checklist for Tank Closure (Form ERS-8951) and the Underground Flammable/Combustible Liquid Storage Tank Inventory (Form ERS-7437) are included in Appendix A. The original forms were submitted to WDCOM by Inspector Bill Shane of the Wisconsin Department of Commerce-Area 4. The certified site assessor was Mr. Ken Kuehn (certification number 41561) of Advent. The certified remover/cleaner was Mr. Ricky Klebenow (certification number 41650) of Advent.

Tank Cleaning and Disposal

The USTs were cleaned on-site by removing the side portion of the tanks and scraping the inside of the tanks. All tank sludge material generated was transferred into one 55-gallon drum. After cleaning, the USTs were labeled and and left on-site for the Jefferson County Highway Department to dispose of as scrap.

Surplus Product Management

No surplus water or petroleum product was encountered during the UST cleaning process.

Tank Sludge Management

Approximately 25 gallons of waste sludge material consisting of leaded gasoline, water, and inorganic solids was generated at the site from cleaning the USTs. This material was placed into one 55-gallon drum and is pending approval for disposal by WRR Environmental Services Co., Inc., Eau Claire, Wisconsin. (See Appendix B.)

Site Location

See Figure 1.

Site Layout Plan

See Figure 2.

Visual Inspection

The ambient air temperature was 83°F with partly cloudy skies at the time of the USTs' closure assessment. The USTs were located in a common tank bed beneath sand and gravel in the Jefferson County right of way near the southwest corner of the intersection of County Highways E and CI. (See Figure 2.) No unanticipated USTs were encountered in the excavation.

The depth of the UST excavation was approximately 6 feet below ground surface (bgs). One to two feet of overburden was removed from above the USTs. Petroleum soil odor and staining were observed in soil samples collected from beneath the USTs. The native soil type encountered was brown fine to medium silty sand with some gravel. Freestanding water was observed in the excavation at a depth of approximately 8 feet bgs.

There were numerous holes observed in the USTs ranging from 1 millimeter to 6 centimeters in size. The 1,000-gallon leaded gasoline UST was 3.5 feet in diameter by 7.5 feet long. The 300-gallon leaded gasoline UST was 3 feet in diameter by 5 feet long.

The piping consisted of fill pipes directly above the USTs. The product feed pipes went to a concrete pump island located approximately 2 feet from the 300-gallon UST. The pump dispenser was not present at the time of the UST closures. The piping was in good condition, and no holes were observed.

Soil Sampling and Field Screening Results

To assess the leaded gasoline USTs systems, Advent collected a total of three soil samples from beneath the USTs. All soil samples collected were analyzed for gasoline range organics (GROs) and diesel range organics (DROs). A description of standard sampling and field screening techniques is included in Appendix C. The results of laboratory analyses are summarized in Table 1.

Lab Results

GROs and DROs were detected in all three of the soil samples (S-1 to S-3) analyzed. The concentrations ranged from 8.9 parts per million (ppm) to 970 ppm. Laboratory reports and chain of custody are included in Appendix D.

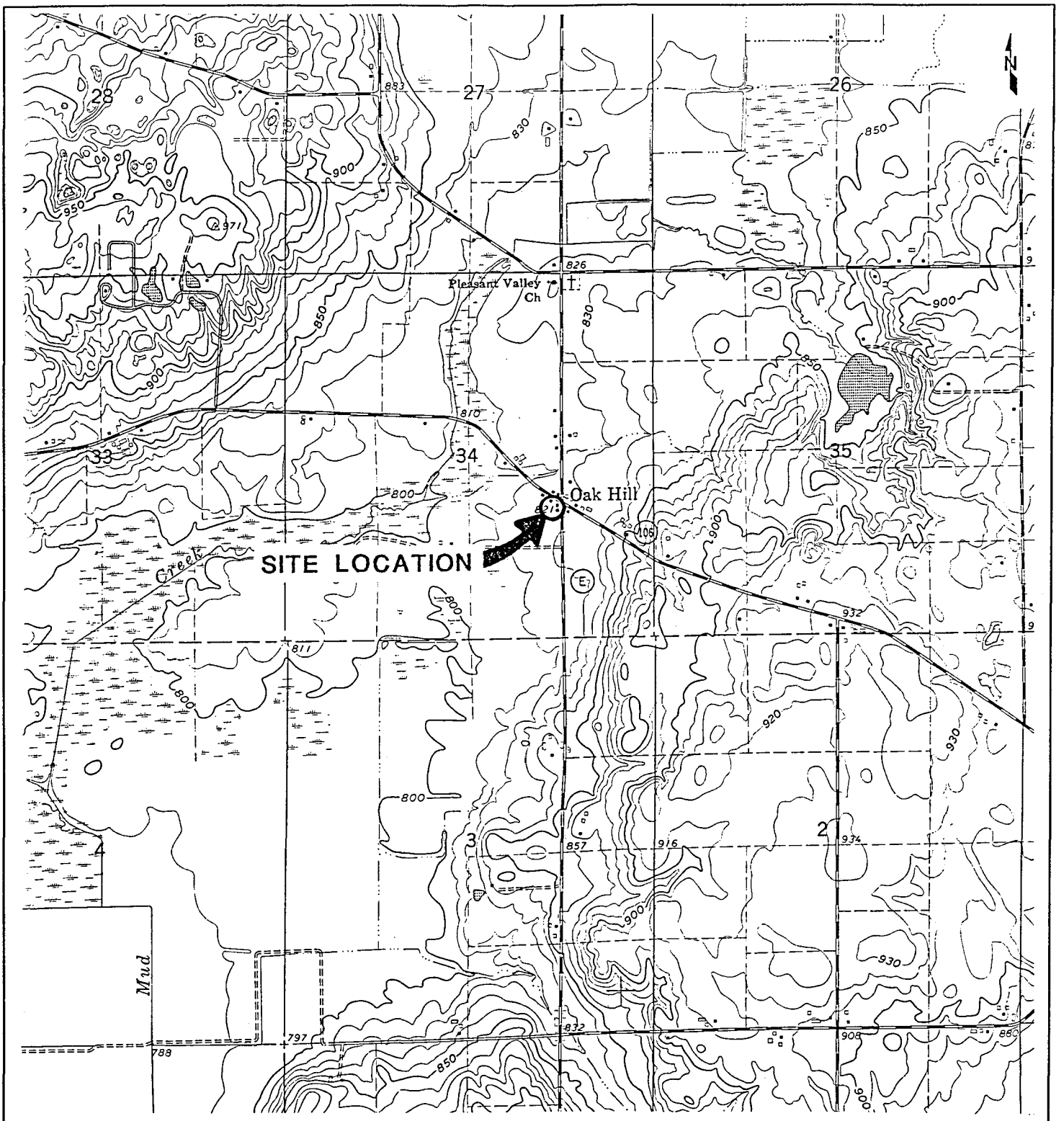
Conclusion and Recommendations

Gasoline range organic (GRO) and diesel range organic (DRO) concentrations were detected in soil samples collected from beneath the 1,000-gallon and 300-gallon leaded gasoline underground storage tanks (USTs). Laboratory analysis revealed GRO or DRO concentrations in excess of the Wisconsin Department of Natural Resources (WDNR) site investigation guideline of 10 ppm in all three samples. Advent notified the WDNR of this release on August 27, 1999. Advent recommends investigating the extent of this petroleum release.

TABLE 1
JEFFERSON COUNTY HIGHWAY DEPARTMENT
INTERSECTION OF COUNTY HIGHWAYS E AND CI
LABORATORY RESULTS

Sample ID	UST Sample Location	Sample Depth (feet)	Soil Type	GROs (ppm)	DROs (ppm)
S-1	300-gallon Leaded Gasoline UST, North	7.5	Silty Sand	**55**	**8.9**
S-2	Between 1,000-gallon and 300-gallon Leaded Gasoline USTs	7.5	Silty Sand	**75**	**76**
S-3	1,000-gallon Leaded Gasoline UST, South	7.5	Silty Sand	**710**	**970**

GRO = gasoline range organics
DRO = diesel range organics
ppm = parts per million
Shaded areas indicate concentrations above the WDNR investigative guideline of 10 ppm.



WISCONSIN

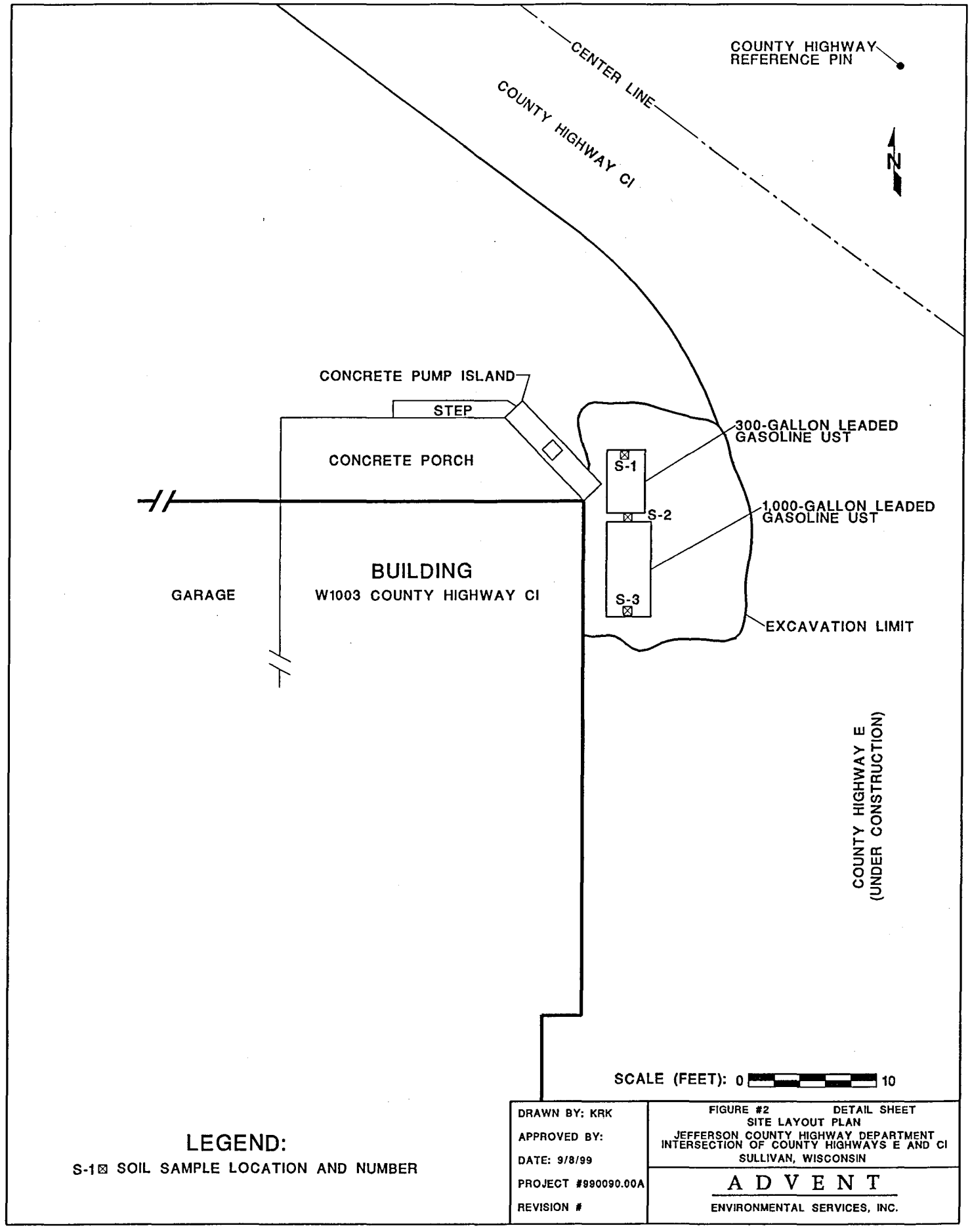
QUADRANGLE LOCATION
NW1/4 SE1/4 SEC.34 T.6N., R.16E.

SCALE (FEET): 0 2000

NOTE:

FIGURE DEVELOPED FROM THE PALMYRA, WISCONSIN, 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP.

DRAWN BY: KRK	FIGURE #1 DETAIL SHEET
APPROVED BY:	SITE LOCATION JEFFERSON COUNTY HIGHWAY DEPARTMENT INTERSECTION OF COUNTY HIGHWAYS E AND CI
DATE: 9/8/99	SULLIVAN, WISCONSIN
PROJECT #990090.00	ADVENT
REVISION #	ENVIRONMENTAL SERVICES, INC.



LEGEND:

S-1⊠ SOIL SAMPLE LOCATION AND NUMBER

DRAWN BY: KRK	FIGURE #2 DETAIL SHEET
APPROVED BY:	SITE LAYOUT PLAN
DATE: 9/8/99	JEFFERSON COUNTY HIGHWAY DEPARTMENT
PROJECT #990090.00A	INTERSECTION OF COUNTY HIGHWAYS E AND CI
REVISION #	SULLIVAN, WISCONSIN
	ADVENT
	ENVIRONMENTAL SERVICES, INC.

APPENDIX A

Checklist for Tank Closure (Form ERS – 8951) and Underground Flammable/Combustible Liquid Storage Tank Inventory (Form ERS – 7437)

Complete one form for each site closure.

The information you provide may be used for secondary purposes [Privacy Law, s.15.04 (1)(m)].

CHECKLIST FOR TANK CLOSURE

CHECK ONE: ☒ UNDERGROUND ☐ ABOVEGROUND

FOR PORTIONS OF THE FORM THAT DO NOT APPLY, CHECK THE N/A BOX BELOW

RETURN COMPLETED CHECKLIST TO:
Wisconsin Department of Commerce
ERS Division
Bureau of Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837

A. IDENTIFICATION: (Please Print) Indicate whether closure is for: ☒ Tank System ☐ Tank Only ☐ Piping Only

1. Site Name	2. Owner Name
INTERSECTION OF COUNTY ROADS E & CT	JEFFERSON COUNTY HIGHWAY DEPT
Site Street Address (not P.O. Box)	Owner Street Address
N 1003 COUNTY HWY CT	141 WEST WOOLCOCK ST
☐ City ☐ Village ☒ Town of: SULLIVAN	☒ City ☐ Village ☐ Town of: JEFFERSON; State: WI; Zip Code: 53549
State: WI; Zip Code: 53137; County: JEFFERSON	County: JEFFERSON; Telephone No. (include area code): (920) 723-1391
3. Closure Company Name (print): DUENT ENVIRONMENTAL SERVICES	Closure Company Street Address: P.O. BOX 277
Closure Company Telephone No. (include area code): (414) 371-5020	Closure Company City, State, Zip Code: MEQUON WI 53092-0277
4. Name of Company Performing Closure Assessment: DUENT ENVIRONMENTAL SERVICE	Assessment Company Street Address, City, State, Zip Code: P.O. BOX 277 MEQUON WI 53092-0277
Telephone No. (include area code): (414) 371-5020	Certified Assessor Name (print): KEN KUELAN; Assessor Signature: [signature]; Assessor Certification No.: 41561

Tank ID #	Closure	Temp. Closure	Closure in Place	Tank Capacity	Contents*	Closure Assessment
1. A	☒	☐	☐	300	LEADED	☒ Y ☐ N
2. B	☒	☐	☐	1000	LEADED	☒ Y ☐ N
3.	☐	☐	☐			☐ Y ☐ N
4.	☐	☐	☐			☐ Y ☐ N

* Indicate which product: Diesel; Leaded; Unleaded; Fuel Oil; Gasohol; Aviation Fuel; Kerosene; Premix; Waste/Used Motor Oil; Flammable/Combustible Hazardous Waste; Chemical (indicate the chemical name(s) _____ and CAS number(s) _____ _____ _____; Other _____.

Written notification was provided to the local agent 15 days in advance of closure date.	☒ Y	☐ N	☐ NA
All local permits were obtained before beginning closure.	☒ Y	☐ N	☐ NA

Check applicable box at right in response to all statements in Sections B-E.

	Remover Verified		Inspector Verified		NA
B. TEMPORARILY OUT OF SERVICE					
Written inspector approval of temporary closure obtained, which is effective until (provide date) _____	☐ Y	☐ N	☐		☐
1. Product Removed					
a. Product lines drained into tank (or other container) and resulting liquid removed, AND	☐ Y	☐ N	☐		☐
b. All product removed to bottom of suction line, OR	☐ Y	☐ N	☐		☐
c. All product removed to within 1" of bottom.	☐ Y	☐ N	☐		☐
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	☐ Y	☐ N	☐		☐
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	☐ Y	☐ N	☐		☐
4. Dispensers/pumps left in place but locked and power disconnected.	☐ Y	☐ N	☐		☐
5. Vent lines left open.	☐ Y	☐ N	☐		☐
6. Inventory form filed indicating temporary closure.	☐ Y	☐ N	☐		☐
C. CLOSURE BY REMOVAL					
1. Product from piping drained into tank (or other container).	☒ Y	☐ N	☐		☐
2. Piping disconnected from tank and removed.	☒ Y	☐ N	☐		☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☒ Y	☐ N	☐		☐
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☒ Y	☐ N	☐		☐
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	☒ Y	☐ N	☐		☐
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.					
6. Vent lines left connected until tanks purged.	☒ Y	☐ N	☐		☐
7. Tank openings temporarily plugged so vapors exit through vent.	☒ Y	☐ N	☐		☐
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	☒ Y	☐ N	☐		☐
9. Tank removed from excavation after PURGING/INERTING; placed on level ground and blocked to prevent movement.	☒ Y	☐ N	☐		☐
10. Tank cleaned before being removed from site.	☒ Y	☐ N	☐		☐

- CONTINUE ON NEXT PAGE -

CLOSURE BY REMOVAL (continued)

	Remover Verified	Inspector Verified	NA
11. Tank labeled in 2" high letters after removal but before being moved from site.	☒Y ☐N	☐	☐
NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.			
12. Tank vent hole (1/8" in uppermost part of tank) installed prior to moving the tank from site.	☐Y ☐N	☐	☒
13. Form ERS-7437 or ERS-8731 filed by owner with the Dept. of Commerce indicating closure by removal.	☒Y ☐N	☐	☐
14. Site security is provided while the excavation is open.	☒Y ☐N	☐	☐

D. CLOSURE IN PLACE

NOTE: CLOSURES IN PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF COMMERCE OR LOCAL AGENT.

1. Product from piping drained into tank (or other container).	☐Y	☐N	☐	☐
2. Piping disconnected from tank and removed.	☐Y	☐N	☐	☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☐Y	☐N	☐	☐
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☐y	☐N	☐	☐
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	☐Y	☐N	☐	☐
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR - EDUCTOR OUTPUT 12 FT. ABOVE GRADE.				
6. Vent lines left connected until tanks purged.	☐Y	☐N	☐	☐
7. Tank openings temporarily plugged so vapors exit through vent.	☐Y	☐N	☐	☐
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) see Section F.	☐Y	☐N	☐	☐
9. Tank properly cleaned to remove all sludge and residue.	☐Y	☐N	☐	☐
10. Solid inert material (sand, cyclone boiler slag, pea gravel recommended) introduced and tank filled.	☐Y	☐N	☐	☐
11. Vent line disconnected or removed.	☐Y	☐N	☐	☐
12. Inventory form filed by owner with the Department of Commerce indicating closure in place.	☐Y	☐N	☐	☐

E. CLOSURE ASSESSMENTS

NOTE: DETERMINE IF A CLOSURE ASSESSMENT IS REQUIRED BY REFERRING TO COMM 10.

1. Individual conducting the assessment has a closure assessment plan (written) which is used as the basis for their work on the site.	☒Y	☐N	☐	☐
2. Do points of obvious contamination exist?	☐Y	☒N	☐	☐
3. Are there strong odors in the soils?	☐Y	☒N	☐	☐
4. Was a field screening instrument used to pre-screen soil sample locations?	☐Y	☒N	☐	☐
5. Was a closure assessment omitted because of obvious contamination?	☐Y	☒N	☐	☐
6. Was the DNR notified of suspected or obvious contamination?	☐Y	☒N	☐	☐

Agency, office and person contacted: _____

7. Contamination suspected because of: ☐Odor ☐Soil Staining ☐Free Product ☐Sheen on Groundwater ☐Field Instrument Test

F. METHOD OF ACHIEVING 10% LEVEL DESCRIPTION

☒ Eductor Or Diffused Air Blower
Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground. Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.

☐ Dry Ice
Dry Ice introduced at 1.5 pounds per 100 gallons of tank capacity. Dry ice crushed and distributed over the greatest possible tank area. Dry ice evaporated before proceeding.

☐ Inert Gas (CO/2 or N/2) NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT.
Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent. Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

☒ Tank atmosphere monitored for flammable or combustible vapor levels.
Calibrate combustible gas indicator. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank. Readings of 10% or less of the lower flammable range (LEL) obtained before removing tank from ground.

G. NOTE SPECIFIC PROBLEMS OR NONCOMPLIANCE ISSUES BELOW

No Inspection On Site

H. REMOVER/CLEANER INFORMATION

Remover Name (print)	Remover Signature	Remover Certification No.	Date Signed
RICKY K KLEBEN	Ricky K Kleben	41650	8-12-99

I. INSPECTOR INFORMATION

Inspector Name (print)	Inspector Signature	Inspector Certification No.
BILL SHANE	Bill Shane	30265

DID # For Location Where Inspection Performed	Inspector Telephone Number	Date Signed
2813	608-275-7854	8/17/99

TANK INVENTORY FORM ERS-7437 or ERS-8731 SIGNED BY THE OWNER MUST BE SUBMITTED WITH EACH CLOSURE CHECKLIST

REMOVER

leg Obj #: _____

UNDERGROUND FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837

nderground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. A separate rm is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously egistered this tank by submitting a form? ☐ Yes ☒ No If yes, are you correcting/updating information only? ☐ Yes ☐ No

rsonal information you provide may be used for secondary purposes. [Privacy Law, s. 15.04 (1)(m)]

his registration applies to a tank that is (check one):
☐ In Use
☐ Newly Installed
☐ Abandoned with Product
☐ Abandoned without Product (empty)
☒ Closed - Tank Removed
☐ Closed - Filled with Inert Materials
☐ Temporary Out of Service - Provide Date: _____
☐ Abandon with Water
☐ Ownership Change (Indicate new owner name in block 2)

Fire Department providing fire coverage where tank is located:
☐ City ☒ Village
☐ Town of Rome

I. IDENTIFICATION (Please Print)

1. Tank Site Name: Intersection of County Roads E & CI
Site Address: W1003 County Highway CI
Site Telephone Number: (920) 723-1391
☐ City ☐ Village ☒ Town of: Sullivan
State: Wisconsin
Zip Code: 53137
County: Jefferson

2. Tank Owner Name: Jefferson County Highway Dept
Mailing Address: 141 W. Woolcock St
Telephone Number: (920) 723-1391
☒ City ☐ Village ☐ Town of: Jefferson
State: Wisconsin
Zip Code: 53549
County: Jefferson

3. Previous Name: NA
Previous site address if different than #1: NA

Site ID #: NA
Facility ID #: NA
Customer ID #: NA

4. Tank Age (age or date installed): Unknown
5. Tank Capacity (gallons): 1,000

II. LAND OWNER TYPE (check one)
☐ County ☐ Federal Leased ☐ Federal Owned ☐ Municipal ☐ Other Government
☐ Private ☐ State ☐ Tribal Nation

OCCUPANCY TYPE (check one)
☒ Gas/Retail Sales ☐ Bulk Storage ☐ Utility ☐ Mercantile/Commercial ☐ Industrial ☐ School ☐ Residential
☐ Agricultural ☐ Backup or Emergency Generator ☐ Other (Specify:)

Tank Construction:
☐ Bare Steel ☐ Coated Steel ☐ Unknown
☐ Fiberglass ☐ Steel – Fiberglass Reinforced Plastic Composite
☐ Lined (Date) ☐ Other (specify)

Cathodic Protection
☐ Sacrificial Anodes
☐ Impressed Current
☒ N/A

Overfill Protection? ☐ Yes ☒ No
Spill Containment? ☐ Yes ☒ No
Tank Double Walled? ☐ Yes ☒ No

Primary Tank leak detection method
☐ Inventory control and tightness testing
☐ Manual tank gauging (only for tanks of 1,000 gallons or less)
☐ Automatic tank gauging
☐ Interstitial monitoring
☐ Statistical Inventory Reconciliation (SIR)
☐ Groundwater monitoring
☐ Vapor monitoring
☒ Unknown

Piping Construction:
☐ Bare Steel ☐ Coated Steel ☐ Unknown
☐ Fiberglass ☐ Flexible ☐ N/A
☐ Other (specify)

Cathodic Protection
☐ Sacrificial Anodes
☐ Impressed Current
☒ N/A

Pipe Double Walled? ☐ Yes ☒ No

Primary Piping System Type: ☐ Pressurized piping with ➡ A. ☐ auto shutoff; B. ☐ alarm or C ☐ flow restrictor ☒ Unknown
☐ Suction piping with check valve at tank ☐ Suction piping with check valve at pump and inspectable ☐ Not needed if waste oil

Piping Leak Detection Method (used if pressurized or check valve at tank): ☐ SIR ☐ Tightness testing ☐ Electronic line leak monitor
☐ Groundwater monitoring ☐ Vapor monitoring ☐ Interstitial monitoring ☐ Not required ☒ Unknown

Vapor Recovery/Stage II CARB #: _____
☐ Fiberglass ☒ Other (specify): NA ☐ Flexible ☐ Operational - Provide Date (mo/day/yr):

TANK CONTENTS (Current, or previous product if tank now empty)
☐ Diesel ☒ Leaded ☐ Unleaded ☐ Fuel Oil ☐ Gasohol
☐ Other (Specify): _____ ☐ Empty ☐ Sand/Gravel/Slurry* ☐ Unknown* ☐ Premix
☐ Waste Used Motor Oil ☐ Chemical _____ ☐ Kerosene ☐ Aviation ☐ Hazardous Waste*
(indicate chemical name and number)

If chosen, this tank is NOT PECFA eligible.

Geo Latitude: NA
Geo Longitude: NA

If Tank Closed, Abandoned or Out of Service, give date (day/yr): August 12, 1999

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

Owner or Operator Name (please print): Jefferson Highway Dept (Randy Kuhl)

Indicate whether:
☒ Owner or ☐ Operator

Owner or Operator Signature: County rep. Randy Kuhl

Date Signed: 8/12/99

Refer to comments on reverse side of form.

437 (R 04/96)

Reg Obj #: _____

UNDERGROUND
FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? ☐ Yes ☒ No If yes, are you correcting/updating information only? ☐ Yes ☐ No
Personal information you provide may be used for secondary purposes. [Privacy Law, s. 15.04 (1)(m)]

This registration applies to a tank that is (check one):
☐ In Use
☐ Newly Installed
☐ Abandoned with Product
☐ Abandoned without Product (empty)
☒ Closed - Tank Removed
☐ Closed - Filled with Inert Materials
☐ Temporary Out of Service - Provide Date: _____
☐ Abandon with Water
☐ Ownership Change (Indicate new owner name in block 2)

Fire Department providing fire coverage where tank is located:
☐ City ☒ Village
☐ Town of ROME

A. IDENTIFICATION (Please Print)

1. Tank Site Name	Site Address	Site Telephone Number
EGCI INTERSECTION OF CTY RD [illegible]	W1003 COUNTY HWY CI	(920) 723-1391
☐ City ☐ Village ☒ Town of: SULLIVAN	State: WI / Zip Code: 53137	County: JEFFERSON
2. Tank Owner Name	Mailing Address	Telephone Number
JEFFERSON CTY HWY DEPT.	141 WEST WOOLCOCK ST	(920) 723-1391
☒ City ☐ Village ☐ Town of: JEFFERSON	State: WI / Zip Code: 53549	County: JEFFERSON
3. Previous Name	Previous site address if different than #1	

B. Site ID #	Facility ID #.	Customer ID #:

4. Tank Age (age or date installed): UNKNOWN
5. Tank Capacity (gallons): 300

D. LAND OWNER TYPE (check one)
☒ County ☐ Federal Leased ☐ Federal Owned ☐ Municipal ☐ Other Government
☐ Private ☐ State ☐ Tribal Nation

E. OCCUPANCY TYPE (check one)
☒ Gas/Retail Sales ☐ Bulk Storage ☐ Utility ☐ Mercantile/Commercial ☐ Industrial ☐ School ☐ Residential
☐ Agricultural ☐ Backup or Emergency Generator ☐ Other (Specify:)

Tank Construction:
☒ Bare Steel ☐ Coated Steel ☐ Unknown
☐ Fiberglass ☐ Steel – Fiberglass Reinforced Plastic Composite
☐ Lined (Date) ☐ Other (specify)

Cathodic Protection
☐ Sacrificial Anodes
☐ Impressed Current
☒ N/A

Overfill Protection? ☐ Yes ☒ No
Spill Containment? ☐ Yes ☒ No
Tank Double Walled? ☐ Yes ☒ No

Primary Tank leak detection method
☐ Inventory control and tightness testing
☐ Manual tank gauging (only for tanks of 1,000 gallons or less)
☐ Automatic tank gauging
☐ Interstitial monitoring
☐ Statistical Inventory Reconciliation (SIR)
☐ Groundwater monitoring
☐ Vapor monitoring
☒ Unknown

Piping Construction:
☒ Bare Steel ☐ Coated Steel ☐ Unknown
☐ Fiberglass ☐ Flexible ☐ N/A
☐ Other (specify)

Cathodic Protection
☐ Sacrificial Anodes
☐ Impressed Current
☒ N/A

Pipe Double Walled? ☐ Yes ☒ No

Primary Piping System Type: ☐ Pressurized piping with → A. ☐ auto shutoff; B. ☐ alarm or C. ☐ flow restrictor ☒ Unknown
☐ Suction piping with check valve at tank ☐ Suction piping with check valve at pump and inspectable ☐ Not needed if waste oil

Piping Leak Detection Method. (used if pressurized or check valve at tank): ☐ SIR ☐ Tightness testing ☐ Electronic line leak monitor
☐ Groundwater monitoring ☐ Vapor monitoring ☐ Interstitial monitoring ☐ Not required ☒ Unknown

Vapor Recovery/Stage II CARB #: _____
☐ Fiberglass ☐ Other (specify): ☐ Flexible ☐ Operational - Provide Date (mo/day/yr): N/A

TANK CONTENTS (Current, or previous product if tank now empty)
☐ Diesel ☒ Leaded ☐ Unleaded ☐ Fuel Oil ☐ Gasohol
☐ Other (Specify): _____ ☐ Empty ☐ Sand/Gravel/Slurry* ☐ Unknown* ☐ Premix
☐ Waste/Used Motor Oil ☐ Chemical _____ ☐ Kerosene ☐ Aviation ☐ Hazardous Waste*
(Indicate chemical name and number)

* If chosen, this tank is NOT PECFA eligible.

Geo Latitude: N/A Geo Longitude: N/A

If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr): 8-12-99

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

Owner or Operator Name (please print): JEFFERSON CTY HWY DEPT. (RANDY KUHL)

Indicate whether: ☒ Owner or ☐ Operator

Owner or Operator Signature: County rep. Randy Kuhl

Date Signed: 8-12-99

: Refer to comments on reverse side of form.

-7437 (R. 04/98)

APPENDIX B

WRR Profile Sheet For UST Program (UST form 4/95)

WRR™
WRR Environmental Services Co., Inc.

715-834-9624 FAX 715-836-8785
5200 State Road 93, Eau Claire, Wisconsin 54701

Printed on recycled paper

"Dedicated to Providing Quality Service into the 21st Century"

DATE: August 17, 1999 TO: ADVENT/mq

CUSTOMER: Jefferson County Highway Dept

RE: PROFILE ID#: 99080184-1FA221

MATERIAL: Leaded Gasoline

WRR is pleased to inform you that your material can be processed at WRR. See current ***UST PRICING SCHEDULE*** for estimated cost of disposal. **Off-specification material will result in a price adjustment.**

Transportation of this material requires special licenses and paperwork. WRR will handle all necessary paperwork for the transportation of your material.

In order for you to have a pick-up of your material or delivery of a product, you must call our Dispatch Office at 715-836-8771.

If you have any questions concerning this proposal, please call. Thank you.

KRK 8/23/99
Mail to Randy Kuhl
631 N. Watertown Road
Jefferson, WI 53549
I requested Jeanita (WRR)
Mail Paperwork for
Pre-Signature

WRR™
WRR Environmental Services Co., Inc.
715-834-9624 FAX 715-836-8785
5200 State Road 93, Eau Claire, Wisconsin 54701

Printed on recycled paper

PROFILE SHEET FOR UST PROGRAM

"Committed to Providing Quality Service into the 21st Century"

A. GENERAL INFORMATION

Generator Name (Tank Owner) Jefferson County Highway Dept.
Site Address W 1003 County Highway EE
City, State, Zip Town of Sullivan WI 53137
Contact Mr. Randy Kruhl
Phone (920) 723-9391
EPA ID# NA (V.S.Q.G.)

Contractor:
Name Advent Env. Services
Address PO Box 277
City, State, Zip Mequon, WI 53092-0277
Contact Ken Kuehn
Phone 800-1998

Distributor:
Name NA
Contact

Bill to: Generator ☐ Contractor ☒ Distributor ☐

B. UNDERGROUND TANK INFORMATION

Capacity (Gal.) 1,000 gallon / 300 gallon
Date Tank was Taken Out of Service 8/12/99

Material Tank Last Contained:

Description	Please Check One	# of Gallons to be disposed of at WRR	Profile ID# (*Assigned by WRR*)
Unleaded Gasoline	☐		
Leaded Gasoline	☒	25 gallons	
Diesel Fuel	☐		
Heating Oil #1, #2	☐		
Heating Oil #5, #6	☐		
Waste Oil	☐		
Other _____	☐		

Physical Description of Material 1-10% Solids, 90-99% Liquids

Does the sludge contain PCB's?	YES	☐	NO	☒	
Will the tank be disposed of at WRR?	YES	☐	NO	☒	
Sample Provided?	YES	☐	NO	☒	
Transportation (of sludge) will be by?	Contractor	☐	WRR	☒	DISTRIBUTOR ☐
Material to be Shipped In?	Drums	☒	Bulk	☐	1 x 55 gallon drum

Certification: I, the undersigned, the generator, or an employee of the generator, and having proper authority granted by the generator, hereby certify the information above is a true representation of the waste. I have examined and am familiar with the information submitted on this form. To the best of my knowledge it is true and correct, and that all known and suspected hazards have been disclosed.

Generator Signature County rep Randy Kuhl Date 8-12-99

APPENDIX C

Sampling and Field Screening Procedures

SAMPLING AND FIELD SCREENING PROCEDURES

Soil Sample Collection

We collected soil samples from native soil within the UST excavation using a backhoe bucket. We sampled soils by removing a minimum of 6 inches of soil from the backhoe bucket with a stainless steel trowel. Soil samples that could be acquired at shallow depths (less than 4 feet) were obtained by removing a minimum of 6 inches of soil with a stainless steel trowel and collecting the sample. Adequate soil was collected and split into two samples: one for field screening and one for laboratory analysis. Soil sampling locations were determined in accordance with WDILHR 10 Appendix B, Part IV, Letter C, "Soil Sample Locations" and applicable soil sampling and WDNR guidelines.

Soil Samples Submitted for Laboratory Analysis

After collection, we put the soil samples into the appropriate containers as follows:

ANALYTE	CONTAINER TYPE	FIELD PRESERVATIVE
GRO	2-Ounce jar	Methanol
DRO	4-Ounce jar	None

TLC = Teflon-lined cap

Samples were then sealed and cooled to 4°C for transport to the laboratory. All samples were labeled with the following information:

- Site name
- Sample number
- Sample location
- Date and time of collection
- Analysis requested
- Name of sampler
- Other applicable information (i.e., PID readings, odors)

Field Screening Procedures

We field screened samples with a PID using the headspace procedure. Results from this screening survey were used to select samples for laboratory analysis. The PID calibration was checked daily with isobutylene gas and at appropriate time intervals according to WDNR guidelines. The headspace procedure was conducted as follows:

- Headspace samples were collected in clean 4-ounce glass jars and filled half-full with the sample material.

- The mouth of the headspace jar was then covered with heavy-gauge aluminum foil and sealed with the lid of the jar.

- The sample was then agitated for at least 30 seconds to break soil clods and release headspace vapors.

- When ambient air temperatures were below 70°F, the headspace samples were placed in a warm environment out of direct sunlight and allowed to equilibrate to approximately 70°F. When ambient air temperatures were above 70°F, samples were placed in a cooler environment out of direct sunlight and allowed to equilibrate to approximately 70°F.

- Following equilibration, the sample headspace was analyzed by inserting the PID probe through a single, small hole in the foil seal to a position halfway between the seal and sample surface and then recording the highest instrument readings.

- New headspace jars were used for each site. After use, the headspace jars were cleaned with an Alconox™ and water solution and allowed to dry. If no VOC carryover was identified with a PID, the jars were reused; if VOC carryover was identified, the sample jars were discarded.

Chain of Custody Procedures

Advent completed a chain of custody record in triplicate immediately after sample collection. The chain of custody record was kept with the samples during transport to the laboratory. When transferring sample custody, the individuals relinquishing and receiving the samples signed, dated, and noted the time on the chain of custody record. A designated sample custodian accepted custody of the shipped samples and verified that the sample identification numbers matched those on the chain of custody record. A copy of the chain of custody record was then retained by the laboratory until analyses were completed. The record was then transferred to Advent with the analytical results and maintained in the project file.

APPENDIX D

Laboratory Results and Chain of Custody

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Date: August 25, 1999

Advent Environmental Services - Mequon
P.O. Box 277
Mequon, WI 53092-0277
Attention: Ken Kuehn

Project: Jefferson County Highway

Enclosed are the results from 3 soil samples and 1 liquid sample received at Great Lakes Analytical on August 19, 1999. The requested analyses are listed below:

SAMPLE#	SAMPLE DESCRIPTION	DATE OF COLLECTION	TEST METHOD
B908210-01	Soil, S-1 (North)	8/12/99	Percent Solids, EPA 7.3.3.1.5 WDNR DRO WDNR GRO
B908210-02	Soil, S-2 (Middle)	8/12/99	Percent Solids, EPA 7.3.3.1.5 WDNR DRO WDNR GRO
B908210-03	Soil, S-3 (South)	8/12/99	Percent Solids, EPA 7.3.3.1.5 WDNR DRO WDNR GRO
B908210-04	Liquid, Methanol Blank	8/12/99	WDNR GRO

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

Certifications: AALA-461.01; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487;
Pennsylvania DEP-68-500; Tennessee DOH-02804; Tennessee DEC; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Advent Environmental Services -	Client Project ID:	Jefferson County Highway	Sampled:	Aug 12, 1999
P.O. Box 277	Sample Descript:	Soil	Received:	Aug 13, 1999
Mequon, WI 53092-0277	Analysis for:	Percent Solids, EPA 7.3.3.1.5		
Attention: Ken Kuehn	First Sample #:	B908210-01	Analyzed:	Aug 19, 1999
			Reported:	Aug 25, 1999

LABORATORY ANALYSIS FOR: Percent Solids, EPA 7.3.3.1.5

Sample Number	Sample Description	Detection Limit %	Sample Result %
B908210-01	S-1 (North)	0.10	80
B908210-02	S-2 (Middle)	0.10	83
B908210-03	S-3 (South)	0.10	82

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

Certifications: AALA-461.01; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487;
Pennsylvania DEP-68-500; Tennessee DOH-02804; Tennessee DEC; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Advent Environmental Services -	Client Project ID:	Jefferson County Highway	Sampled:	Aug 12, 1999
P.O. Box 277	Matrix Descript:	Soil	Received:	Aug 13, 1999
Mequon, WI 53092-0277	Analysis Method:	WDNR DRO	Extracted:	Aug 17, 1999
Attention: Ken Kuehn	First Sample #:	B908210-01	Analyzed:	Aug 24, 1999
			Reported:	Aug 25, 1999

DIESEL RANGE ORGANICS

Sample Number	Sample Description	Detection Limit mg/kg, Dry Weight (ppm)	High B.P. Hydrocarbons mg/kg, Dry Weight (ppm)	Chromatogram Description
B908210-01	S-1 (North)	6.2	8.9	Diesel Range, Late Gas Range, Early Peaks, Non-Characteristic Diesel Pattern
B908210-02	S-2 (Middle)	6.0	76	Diesel Range, Diesel Pattern,Early Peaks
B908210-03	S-3 (South)	61	970	Diesel Range,Early Peaks, Non-Characteristic Diesel Pattern

High Boiling Point Hydrocarbons is performed as described in Leaking Underground Storage Tank Analytical Guidance, July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

Certifications: AALA-461.01; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487; Pennsylvania DEP-68-500; Tennessee DOH-02804; Tennessee DEC; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Advent Environmental Services -	Client Project ID:	Jefferson County Highway	Sampled:	Aug 12, 1999
P.O. Box 277	Matrix Descript:	Soil	Received:	Aug 13, 1999
Mequon, WI 53092-0277	Analysis Method:	WDNR GRO		
Attention: Ken Kuehn	First Sample #:	B908210-01	Analyzed:	Aug 18, 1999
			Reported:	Aug 26, 1999

GASOLINE RANGE ORGANICS

Sample Number	Sample Description	Detection Limit mg/kg, Dry Weight (ppm)	Low/Medium B.P. Hydrocarbons mg/kg, Dry Weight (ppm)	Chromatogram Description
B908210-01	S-1 (North)	6.3	55	Gas Range, Several Large Peaks, Elevated Baseline
B908210-02	S-2 (Middle)	6.0	75	Gas Range, Several Large Peaks, Elevated Baseline
B908210-03	S-3 (South)	61	710	Gas Range, Several Large Peaks, Elevated Baseline

Low to Medium Boiling Point Hydrocarbons is performed as described in Leaking Undergound Storage Tank Analytical Guidance July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

Certifications: AALA-461.01; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487; Pennsylvania DEP-68-500; Tennessee DOH-02804; Tennessee DEC; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Advent Environmental Services -	Client Project ID:	Jefferson County Highway	Sampled:	Aug 12, 1999
P.O. Box 277	Matrix Descript:	Liquid	Received:	Aug 13, 1999
Mequon, WI 53092-0277	Analysis Method:	WDNR GRO		
Attention: Ken Kuehn	First Sample #:	B908210-04	Analyzed:	Aug 18, 1999
			Reported:	Aug 26, 1999

GASOLINE RANGE ORGANICS

Sample Number	Sample Description	Detection Limit µg/L (ppb)	Low/Medium B.P. Hydrocarbons µg/L (ppb)	Chromatogram Description
B908210-04	Methanol Blank	5,000	N.D.	---

Low to Medium Boiling Point Hydrocarbons is performed as described in Leaking Undergound Storage Tank Analytical Guidance July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

B908210-01.ADV <4>

GREAT LAKES ANALYTICAL

CHAIN OF CUSTODY REPORT

138[redacted]h P[redacted]y
Buffalo Grove, IL 60089-4505
(847) 808-7766
FAX (847) 808-7772

207[redacted]erto[redacted]ad
Brookfield, WI 53501
(414) 798-1030
FAX (414) 798-1066

Client: Advent Env. Services
Address: PO Box 277
Wequon, WI 53092-0277
Report to: Ken Kuehn
Phone #: (847) 808-1998
Fax #: (800)

Bill To: Advent Env.
Address: Same
Same
State & Program: WI UST
Phone #: (800) 880-6988
Fax #: ( )

TAT: 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.
DATE RESULTS NEEDED: Normal
TEMPERATURE UPON RECEIPT: ON ICE
AIR BILL NO. GUAPIU

Project: Jefferson County Highway
Sampler: Ken Kuehn
PO/Quote #: 990090.00

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	PRESERVATIVES	NO. CONTAINERS	TYPE CONTAINERS	DRO	GRO	Dry weight	SAMPLE CONTROL: CRACKED/BROKEN	SAMPLE CONTROL: IMPROPERLY SEALED	SAMPLE CONTROL: GOOD CONDITION	LABORATORY ID NUMBER
1	S-1 (North)	8/12/99	1:20pm	S	Methanol	3	G	X	X	X			X	B908210-01
2	S-2 (Middle)	"	1:40pm	"	"	3	"	X	X	X			X	-02
3	S-3 (South)	"	1:25pm	"	"	3	"	X	X	X			X	-03
4	Methanol Blank	"	11:20am	"	"	1	"		X				X	-04
5														
6														
7														
8														
9														
10														

RELINQUISHED	DATE/TIME	RECEIVED	DATE/TIME	RELINQUISHED	DATE/TIME	RECEIVED	DATE/TIME
Kenneth Kuehn	8/12/99	K Ostrowski	8/13/99	K Ostrowski	8/13/99	Amy Leasing	8-13
RELINQUISHED	DATE/TIME	RECEIVED	DATE/TIME	RELINQUISHED	DATE/TIME	RECEIVED	DATE/TIME

COMMENTS: Please analyze Gasoline and Diesel Range organics per State of Wisconsin Cust Program

PAGE 1 OF 1

JG958198

Wisconsin Department of Natural Resources

Notification of Petroleum Contamination from Underground / Aboveground Storage Tank Systems

Please complete this form and FAX it to the appropriate WDNR contact person (see list on back page) immediately upon discovery of a release from (CIRCLE ONE): UST / AST system.

TO: WDNR, Attn: ~~Pat Strong~~ Brenda Brown

FAX #: 263 - 8483

PLEASE TYPE or PRINT LEGIBLY:

1. **Name, company, mailing address and phone number of person reporting the discharge:**

Ken Kuehn
Advent Environmental Services
PO Box 277
Mequon, WI 53092-0277 Ph # 371-5026 Ext # 302

2. **Site Information**

Name of site at which discharge occurred (local name of site/business -- not responsible party name, unless a residence): Jefferson County (Right-of-way) Intersection of County Highways CI and E

Location (actual street address, not PO box; if no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60): Southwest Corner of County Highway CI and E (Intersection)

RECEIVED
DNR / HEADQUARTERS
SED
1998 SEP 27 PM 3:15

Municipality (city, village, township in which the site is located -- not mailing address):
Town of Sullivan

County:
Jefferson

Legal Description: NW 1/4, SE 1/4, Section 34, Tn 6N, Range 16 (E) W

3. **Responsible Party (RP) and/or RP Representative Information**

RP / Business Name: Jefferson County Highway Dept.

Contact Person (if different): Mr. Randy Kuhl

Mailing Address (with zip code):
631 N. Watertown Road
Jefferson, WI 53549

Telephone Number:
920-674-7391 or 920-723-1391 (mobil)

4. **Identity, physical state and quantity of the hazardous substance discharged (check all that apply):**

- [X] Unleaded gasoline
- [X] Leaded gasoline
- [ ] Diesel
- [ ] Fuel oil
- [ ] Waste oil
- [ ] Other _____

5. **Impacts to the environment (enter "K" for known/confirmed or "P" for potential for all that apply):**

_____ Fire/explosion threat	X Soil contamination
_____ Contaminated private wells (# of wells)_____	_____ Surface water impacts
_____ Contaminated public wells	_____ Floating product
X Groundwater contamination	_____ Other_____

6. **Contamination was discovered as a result of:**

X Tank closure assessment _____ Site assessment _____ (other)_____

On what date: *August 12, 1999

*ANALYTICAL Results Recieved 8/26/99

Additional Comments:

Samples Taken at approximately 7.5 feet below ground Surface. Groundwater encountered at approximately 8.0 feet below ground Water.

See enclosed analytical Results

FAX numbers to report leaking tank sites in DNR's five regions are as follows:

Northeast Region (920-492-5859)
Underground Tanks: Attention - Janis DeBrock
Aboveground Tanks: Attention - Roxanne Chronert
Brown, Calumet, Door, Fond du Lac ***(except City of Waupun - see South Central Region)***, Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Waupaca, Waushara, Winnebago Counties

Northern Region (715-365-8932); Attention - Janet Kazda:
Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn Counties

South Central Region (608-275-3338); Attention - Marilyn Jahnke:
Columbia, Crawford, Dane, Dodge, Fond du Lac ***(City of Waupun only)***, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk Counties

Southeast Region ~~(414-229-8810)~~; Attention - ~~Mike Farley~~: Patchung 263-8483
Kenosha, Milwaukee, Ozaukee, Racine, Sheboygan, Walworth, Washington, Waukesha Counties

West Central Region (715-839-6076); Attention - John Grump:
Adams, Buffalo, Chippewa, Clark, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood Counties

Rev. 9/97

Bureau for Remediation and Redevelopment
Activity Detail Report - Case Tracking

E9

Activity Number: 03-28-228585 **VPLE:** ☐ **Gen Prop:** ☐ **Activity Type:** LUST

Region: South Central Region **County:** Jefferson **FID:** 268568190

Location: JEFFERSON COUNTY RIGHT OF WAY **EPA ID:**

Address: SW CORNER OF CTY HWY CI & E **Start Date:** 08/27/1999 **End Date:** OPEN

Municipality: SULLIVAN **Project Manager:**

Legal Description: None Found **Priority:** Unknown

Latitude: None Found **Score:**

Longitude: None Found **LUST Trust Eligible:**

Transferred DCom: ☐ **Pecfa Eligible:** ☐

Tracked by DCom: ☐ **Pecfa 80k:** ☐

Pecfa 80k Failure: ☐

Who:

Contact Type: RP CONTACT/AGENT
Name: RANDY KUHL
Title:
Company:
Address:
JEFFERSON, WI 53549
Phone: (920) 674-7391 Ext:
Fax: 9207231391
E-Mail:

Contact Type: CONSULTANT
Name: KEN KUEHN
Title:
Company:
Address: P.O. BOX 277
MEQUON, WI 530920277
Phone: (414) 371-5026 Ext: 3028
Fax:
E-Mail:

Contact Type: RESPONSIBLE PARTY
Name:
Title:
Company: JEFFERSON COUNTY
Address:
JEFFERSON, WI 53549
Phone: (920) 674-7391 Ext:
Fax: 9207231391
E-Mail:

Contact Type: CONSULTANT BRANCH OFFICE
Name:
Title:
Company: ADVENT ENVIRONMENTAL SERVICES
Address: P.O. BOX 277
MEQUON, WI 530920277
Phone: (414) 371-5026 Ext: 3028
Fax:
E-Mail:

Impacts:
Soil Contamination

Substances:
Leaded Gas

ERP Substances:
Leaded Gas
Treatment Flag: ☐ Disposal Flag: ☐ Landfill Flag: ☐
Disposal City:

Actions:

1	Notification	08/27/99
2	RP Letter Sent	09/02/99

BRRTS indicates RP letter sent 9/2/99. However, neither RP nor consultant recd one. Resent 10/25/99 & chgd tracking. MD

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

October 25, 1999

File Ref: 03-28-228585

Mr Randy Kuhl
Jefferson County Highway Dept
631 N Watertown Rd
Jefferson 53549

Subject: Jefferson County Right-of-way, Southwest corner of Highway CI and E, Sullivan

Dear Mr. Kuhl:

On August 27, 1999, the Department received notification that two underground tanks had been found in the right-of-way, soil samples had been collected, and contamination had been found. As a result of this discovery, further work will be needed to determine the extent of the contamination.

The spill law authorizes the Department of Natural Resources to enforce cleanup of contaminated sites, under s. 292.11 of the Wisconsin Statutes. As the owner of the property where a hazardous substance discharge has occurred, you are required to determine the horizontal and vertical extent of contamination and clean-up/properly dispose of the contaminants.

Your legal responsibilities are defined both in statute and in administrative rules. The hazardous substance spill law, s. 292.11 (3) Wisconsin Statutes, states:

> RESPONSIBILITY. 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.

Wisconsin Administrative Code NR 700 through NR 728 establishes requirements for interim actions, public information, site investigation, design and operation of remedial action systems, and case closure. Wisconsin Administrative Code NR 140 establishes groundwater standards.

It is important that an investigation begins at your site as soon as possible. The longer contamination is left in the environment, the farther it can spread and the more difficult and costly it becomes to cleanup. Since this cleanup must comply with Wisconsin laws and rules, professional engineering and hydrogeologic experience is necessary. Therefore, you should hire a professional environmental consultant who can assure you that Department policies and guidelines are being followed.

Your consultant will help you in providing the Department with the following:

- Submit written verification (such as a letter from the consultant) that you have hired an environmental consultant. **Please submit this information within 30 days of the date of this letter.**

- Submit an investigation workplan explaining what work will be performed to identify the extent of contamination. This workplan should include a time schedule. Also, please provide documentation of any previous work performed related to this release.

- Submit the investigation report defining the degree and extent of any soil and/or groundwater contamination.

- Provide a remedial action plan outlining the remedy selected.

- Provide a remedial action report with data supporting your consultant's conclusions and recommendations for future work or site closure.

In addition, you will be required to keep the Department informed on site progress by submitting 60 day updates. You will be notified when to provide the status reports at the time you submit your investigation workplan.

There are times when staffing levels do not allow us to keep current with workload demands. However, to maintain your compliance with the spill law and chs. NR 700 through NR 728, investigation and cleanup actions should not be unnecessarily delayed waiting for DNR responses. In the event that you experience delays, please refer to NR 716.09(3) regarding Department review of sites.

Your correspondence and reports regarding this site should be sent to Marilyn Jahnke, Department of Natural Resources, 3911 Fish Hatchery Road, Fitchburg WI 53711. Unless otherwise requested, please send only one copy of all plans and reports. Correspondence should be identified with the site name and address which is listed in the subject of this letter.

I have enclosed a list of environmental consultants and some important tips on selecting one. If you are eligible for Wisconsins' PECFA program (see end of letter), you will need to compare at least three consultant's proposals before making your selection. Please read this information carefully.

Reimbursement from the Petroleum Environmental Cleanup Fund (PECFA) is available for the costs of cleaning up the contamination from eligible petroleum storage tanks. The fund is administered by the Department of Commerce. Please contact DCOM at (608) 266-2424 for more information on eligibility and regulations for this program.

If you have any questions about this letter or your responsibilities, please call me at (608) 275-3212.

Sincerely,

Marilyn Jahnke

Marilyn Jahnke, Program Assistant
Remediation & Redevelopment
Telephone: (608) 275-3212
jahnkm@dnr.state.wi.us

cc: Ken Kuehn, Advent Environmental Services, PO Box 277, Mequon WI 53092

03-28-228585
Jefferson County
Right of Way

JEFFERSON COUNTY
CORPORATION COUNSEL

Courthouse, Room 209
320 South Main Street
Jefferson, Wisconsin 53549-1799

PHILIP C. RISTOW
Corporation Counsel

(920) 674-7135
Fax: (920) 675-0068

November 23, 1999

Ms. Marilyn Jahnke
Wisconsin Dept. of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711-5397

Re: Jefferson County Right-of-way,
Southwest corner of Highway CI and E, Sullivan

Dear Ms. Jahnke:

In response to your October 25, 1999 letter addressed to Randy Kuhl, I have had the opportunity to review ownership of the property in question. Jefferson County does not own the property, but merely has a highway easement in that location. The owners of the property are Dorothy and Thomas Jeffery, W1003 County Trunk CI, Sullivan, WI.

Some preliminary paperwork (Form LRS 8591) was filed with the Department of Commerce concerning potential registration of these tanks as belonging to Jefferson County. I am sending a copy of this letter to the Department of Commerce, Bureau of Storage Tank Regulation, to advise that agency that Jefferson County is not the owner of the real estate nor the tanks involved at this site and that any registration to that effect has been made in error.

If you need further information concerning documentation of ownership, please advise. Otherwise, I would appreciate correspondence indicating that Jefferson County will not be considered a potentially responsible party in this matter.

Sincerely,

Philip C. Ristow
Corporation Counsel
(WI State Bar #1016697)

PCR:rgh

pc: Dept. of Commerce, Bureau of Storage Tank Regulation

DEPARTMENT OF NATURAL RESOURCES
BRRTS TRACKING FORM 1/99 53156-9688-03

RECEIVED
FEB 16 2011
ERS DIVISION

UID: 03-28-228585	FID:	PMN:

Programs: (LUST) ERP VP _____ GP _____

County Jefferson

Site Name ~~Jefferson Co ROW~~ Jeffrey Property

Address ~~SW corner Hwy C I + E~~ W 1003 CTH CI

Municipality ~~Sullivan~~ Palmyra

Legal Desc: ____1/4 ____1/4 s____ t____N r____E/W

Lat: ____º ____' ____" Long. ____º ____' ____"

Notification Date 8-27-99

RP letter Date 10-25-99

Closure Date _____

Reported by:

_____

_____

Phone: _____ _____

Priority	Factors	Funding
____HIGH	__Free Product	_____RP
____MED	__Surface Water Impact	_____LTF
____LOW	__Expanding plume	_____EF
____UNK	__Bedrock contamination	_____OTHER_____
	__Private/Potable well	

2 USTs

RESPONSIBLE PARTY

Name Randy Kuhl

Company Jefferson Co. Hwy Dept

Address 631 N Watertown Rd

53549

Phone: Thomas Jeffery

cc: W1003 CTH C1

Palmyra WI 53156

Impacts

___ Cont. Private Well
___ Cont. Public Well
___ Groundwater Contamin.
___ Soil Contamination
___ Surface Water Impacts
___ Direct Contact

Substances

X Gasoline Pb
___ Diesel
___ Fuel Oil
___ Waste Oil
___ VOCs
___ Unknown
___ Ag Chem
___ Leachate
___ Metals