

State of Wisconsin - Department of Natural Resources  
Substance Release Notification Report (SERTS)  
Report created on 12/02/2010

SPILL ID# 20101006NE69-1 BRRTS# 04-69-556408

Incident Date & Time: 10/06/2010	Reported Date & Time: 10/06/2010	BRRTS No: 04-69-556408	Spill ID: 20101006NE69-1
DATCP Reported? No DATCP Transferred? No	NFA Letter Sent? No	ERP Transferred? No	Incident Closed? Yes : 11/10/2010

8049255-69-408

Location			
Region: NE	County: Waupaca	Municipality: BEAR CREEK, TOWNSHIP OF	
Facility/Property Name and Street Address: HWY 76 HWY 76		Description: 300 FEET EAST OF THE INTERSECTION OF HWY 76/45/22	
Facility Type: Roadway (Public Road/Highway/Street/Alley/ROW)			
Lat/Long:	PLSS: SW ¼ of SE ¼ of Sec 24, T24N, R14E	WTM: X 619633 Y 451670	
Weather Conditions: Night			

Responsible Parties			
Name/Address (1): DENNISON QUALITY OIL - FORMER HWY 76/45/22 BEAR CREEK, WI -	Contact:	Other Contact:	Spill Packet:

**Cause**  
GASOLINE SMELLING WATER OZZING FROM BENEATH THE ROADWAY. THOUGHT TO BE FROM THE FORMER GAS STATION - DENNISON QUALITY OIL - GROUNDWATER CONTAMINATION FROM A LEAKING UNDERGROUND STORAGE TANK (03-69-000214), A DIESEL SPILL (04-69-415530) AND A GASOLINE SPILL (04-69-449692).

Cause Type: LUST CASE 03-69-000214

Substances						
Name	Other / Comments	Amt Released	Amt Recovered	Type	Color	Odor
Gasoline		UNK	UNK	LIQUID		

Environmental Impacts / Damages			
Environmental Impacts: GROUNDWATER	Resource Damages: No	Injuries: No	Evacuation: No

Cleanup Actions	
Method	Description
Absorbent (oil dry, sand, sawdust)	
Boom	
Samples Collected	GASOLINE CONTAMINATED GROUNDWATER

**Cleanup Action Comments**  
10-06-10, DNR HIRED VEOLIA TO HELP INVESTIGATE AND CLEAN UP THE GASOLINE COMMING UP FROM THE ROAD. SAND AND ABSORBENT MATERIAL WAS APPLIED TO THE ROAD DITCH AND A SAMPLE OF THE WATER WAS COLLECTED. 10-15-10, THE GASOLINE IN THE WATER IS THOUGHT TO BE FROM THE OLD GAS STATION THAT WAS CLOSED WITH SIMILAR LEVELS OF GASOLINE REMAINING IN THE WATER. THE COUNTY AND DOT ARE GOING TO MONITOR THE SITUATION AND MAY END UP EXCAVATING THIS CRACKED PIECE OF ROADWAY IN ORDER TO ELIMINATE THE WATER BUBBLING UP ONTO THE ROAD.

Contractors Hired	
Name	Description
VEOLIA SPECIAL SERV. 800-688-4005	GREG POTTS

Waste Destinations	
Location	Description

BRRTS Duplicate

State of Wisconsin - Department of Natural Resources  
 Substance Release Notification Report (SERTS)  
 Report created on 12/02/2010

SPILL ID# 20101006NE69-1 BRRTS# 04-69-556408

VEOLIA TECH SOLUTIONS MENOMONEE FALLS WI		FOUR 55-GALLON DRUMS OF ABSORBENTS		
Agencies Notified / On Scene				
Agency	Notified	On Scene		
DNR	X	X		
FIRE DEPARTMENT	X	X		
HWY DEPARTMENT	X	X		
LEPC OF LOCAL EMERG MGT	X	X		
Additional Comments				
11-10-10, DNR RECEIVED VEOLIA'S RESPONSE REPORT. DNR'S RESPONSE TO THE INCIDENT IS COMPLETE. DOT AND THE COUNTY ARE PLANNING ON FIXING THE ROAD AND WILL CONTACT DNR IF ISSUES OR FURTHER INFORMATION WARRANTS DNR INVOLVEMENT.				
Enforcement Action/Citation				
Enforcement Action/Citation? No				
Case Activity Reports:				
Person Reporting				
Name	Representing / Address	Primary Phone	Secondary Phone	
ANDY CARLIN	WAUPACA EM			
Contractors Hired				
Name / Address			Zone Contractor Hired by DNR?	
VEOLIA SPECIAL SERV. 800-688-4005			Yes	
Contacts				
Role	Name	Office Phone	Date	Time
Prepared By:	JASON MOELLER	(920) 662-5492 x	10/06/2010	
Person Notified:	WARDEN WIPPERMAN		10/06/2010	
Investigated By:	TOM STURM	(715) 526-4230 x	10/07/2010	
Incident Commander:				
Spill Coordinator:	JASON MOELLER, NE Region	(920) 662-5492 x	11/10/2010	
Electronic Attachments (list)				
Name	Type			

Customer #	Gen #	Gen Name	Date Shipped	Orig Manifest Nbr	Dest. Name	Approval Code	Outbound Manifest	Approval Code	Final Dest. Name
441333	540226	WI DNR	110/10/20	ZZ00142443	CWD-VEOLIA	CWDOZLNHS	ZZ00184019	CWDSGRNHL	OZL-VEOLIA
441333	540226	WI DNR	111/02/24	000193582VES	CWD-VEOLIA	CWDDPK3	000186011VES	CWDFUELS	GREEN AMERICA

04-69-556408

REIO

Bea Crick

10-7-10

NER

2-17-2011 Shipped

3 containers

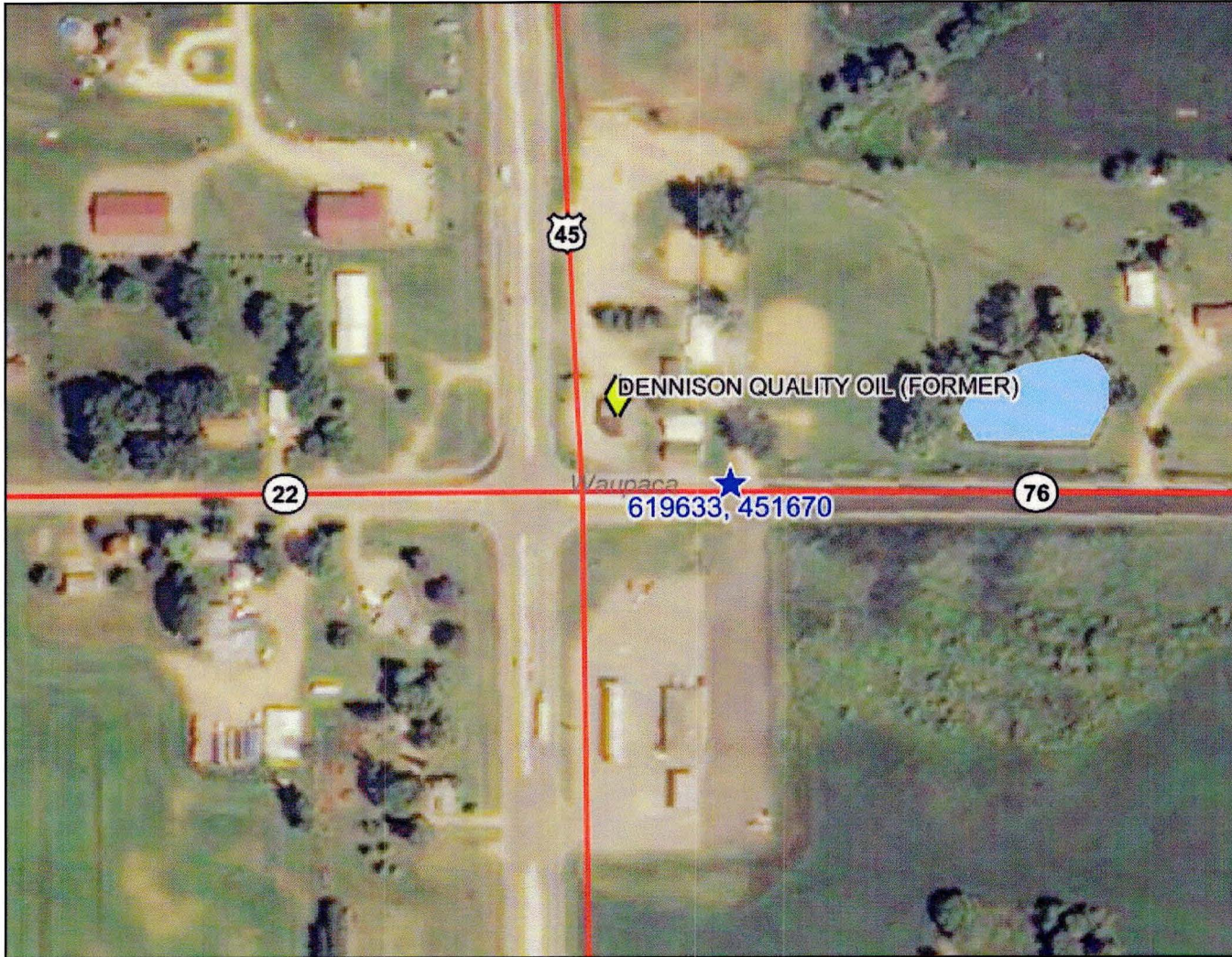
08-43-556881

ocato AC/41

Hwy 41

SB Ramp

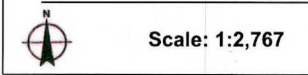
# Bear Creek



- ### Legend
- Open Sites (ongoing cleanups)
  - Open Sites (ongoing cleanups) - site boundaries shown
  - Closed Sites (completed cleanups)
  - Closed Sites (completed cleanups) - site boundaries shown
  - County Boundary
  - Railroads
  - County Roads (WDOT)
  - County Trunk Highway
  - State and U.S. Highways (WDOT)
  - State Trunk Highway
  - US Highway
  - Interstate Highways (WDOT)
  - Interstate Highway
  - Local Roads (WDOT)
  - Civil Towns
  - 24K Open Water
  - 24K Rivers and Shorelines
  - Municipalities



Map created on Oct 18, 2010  
 Note: Not all RR Sites have been geo-located yet.



This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

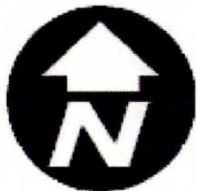


PHOTOS BY TOM STURM - DNR 10-7-10



## NE Corner of 76 & 45 (Waupaca)

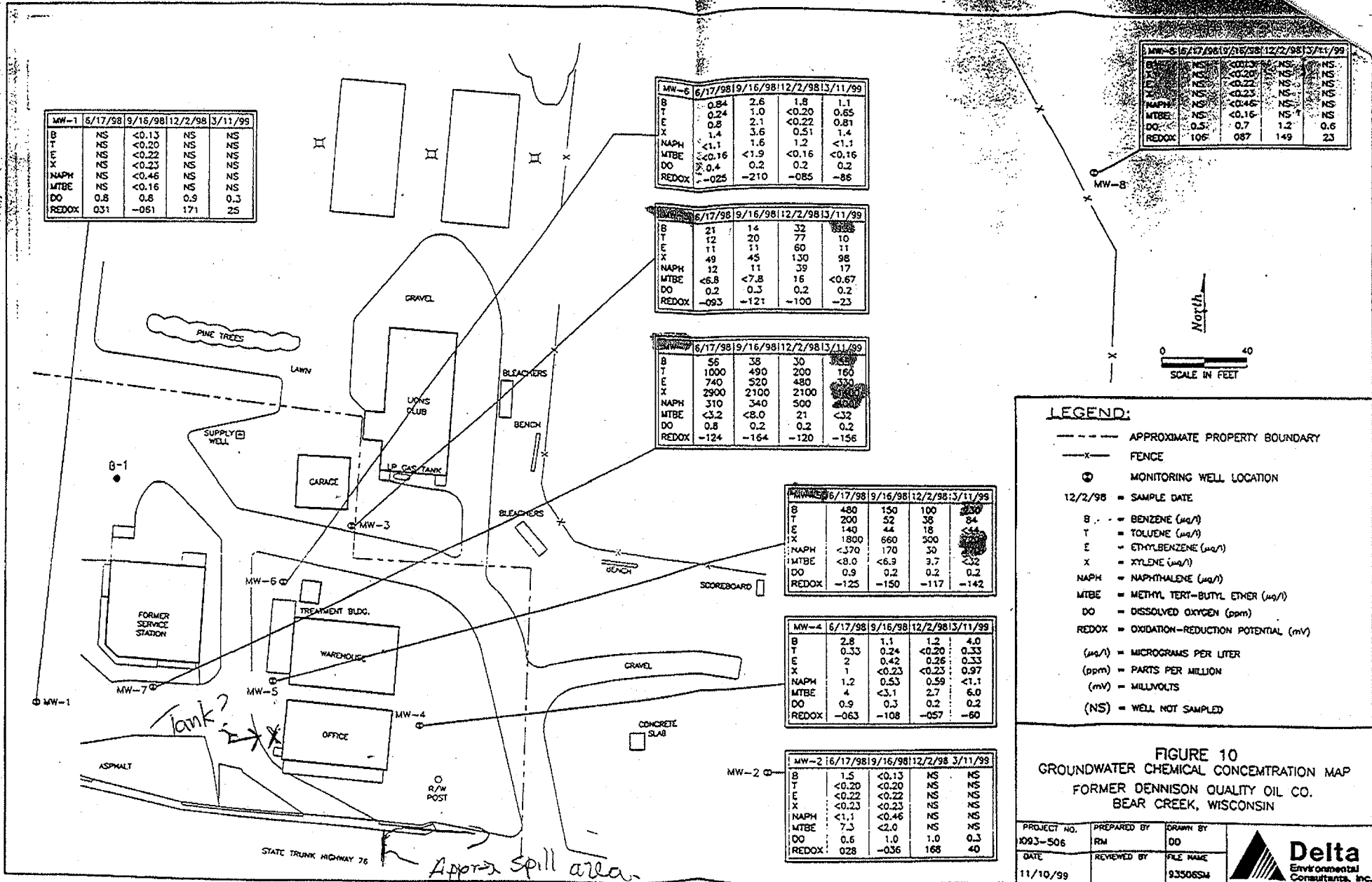
Provided by the Land Information Office  
Powered by GIS



Attention! GIS maps are for informational purposes only and are not intended to represent evidence in title. The representations on these maps could in fact be in error and should not be relied upon as the sole determining factor in the location of any given parcel. Waupaca County is not responsible for any inaccuracies contained herein. Individuals should consult legal representation or professional survey advice to confirm and insure accuracy of a given parcel description. For More Information Call: (715) 258-6496



Printed: Oct 07, 2010



MW-1	6/17/98	9/16/98	12/2/98	3/11/99
B	NS	<0.13	NS	NS
T	NS	<0.20	NS	NS
E	NS	<0.22	NS	NS
X	NS	<0.23	NS	NS
NAPH	NS	<0.46	NS	NS
MTBE	NS	<0.16	NS	NS
DO	0.8	0.8	0.9	0.3
REDOX	031	-061	171	25

MW-6	6/17/98	9/16/98	12/2/98	3/11/99
B	0.84	2.6	1.8	1.1
T	0.24	1.0	<0.20	0.65
E	0.8	2.1	<0.22	0.81
X	1.4	3.6	0.51	1.4
NAPH	<1.1	1.6	1.2	<1.1
MTBE	<0.16	<1.9	<0.16	<0.16
DO	0.4	0.2	0.2	0.2
REDOX	-025	-210	-085	-86

MW-8	6/17/98	9/16/98	12/2/98	3/11/99
B	NS	<0.13	NS	NS
T	NS	<0.20	NS	NS
E	NS	<0.22	NS	NS
X	NS	<0.23	NS	NS
NAPH	NS	<0.46	NS	NS
MTBE	NS	<0.16	NS	NS
DO	0.5	0.7	1.2	0.6
REDOX	106	087	149	23

MW-7	6/17/98	9/16/98	12/2/98	3/11/99
B	21	14	32	10
T	12	20	77	10
E	11	11	60	11
X	49	45	130	98
NAPH	12	11	39	17
MTBE	<6.8	<7.8	16	<0.67
DO	0.2	0.3	0.2	0.2
REDOX	-093	-121	-100	-23

MW-3	6/17/98	9/16/98	12/2/98	3/11/99
B	56	38	30	160
T	1000	490	200	160
E	740	520	480	170
X	2900	2100	2100	1600
NAPH	310	340	500	400
MTBE	<3.2	<8.0	21	<32
DO	0.8	0.2	0.2	0.2
REDOX	-124	-164	-120	-156

MW-5	6/17/98	9/16/98	12/2/98	3/11/99
B	480	150	100	84
T	200	52	36	84
E	140	44	18	84
X	1800	660	500	84
NAPH	<370	170	30	<32
MTBE	<8.0	<6.3	3.7	<32
DO	0.9	0.2	0.2	0.2
REDOX	-125	-150	-117	-142

MW-4	6/17/98	9/16/98	12/2/98	3/11/99
B	2.8	1.1	1.2	4.0
T	0.33	0.24	<0.20	0.33
E	2	0.42	0.26	0.33
X	1	<0.23	<0.23	0.97
NAPH	1.2	0.53	0.59	<1.1
MTBE	4	<3.1	2.7	6.0
DO	0.9	0.3	0.2	0.2
REDOX	-063	-108	-057	-60

MW-2	6/17/98	9/16/98	12/2/98	3/11/99
B	1.5	<0.13	NS	NS
T	<0.20	<0.20	NS	NS
E	<0.22	<0.22	NS	NS
X	<0.23	<0.23	NS	NS
NAPH	<1.1	<0.46	NS	NS
MTBE	7.3	<2.0	NS	NS
DO	0.6	1.0	1.0	0.3
REDOX	028	-036	168	40

- LEGEND:**
- APPROXIMATE PROPERTY BOUNDARY
  - x- FENCE
  - ⊙ MONITORING WELL LOCATION
  - 12/2/98 = SAMPLE DATE
  - B = BENZENE (μg/l)
  - T = TOLUENE (μg/l)
  - E = ETHYLBENZENE (μg/l)
  - X = XYLENE (μg/l)
  - NAPH = NAPHTHALENE (μg/l)
  - MTBE = METHYL TERT-BUTYL ETHER (μg/l)
  - DO = DISSOLVED OXYGEN (ppm)
  - REDOX = OXIDATION-REDUCTION POTENTIAL (mv)
  - (μg/l) = MICROGRAMS PER LITER
  - (ppm) = PARTS PER MILLION
  - (mv) = MILLIVOLTS
  - (NS) = WELL NOT SAMPLED

**FIGURE 10**  
**GROUNDWATER CHEMICAL CONCENTRATION MAP**  
**FORMER DENNISON QUALITY OIL CO.**  
**BEAR CREEK, WISCONSIN**

PROJECT NO. A093-506	PREPARED BY RM	DRAWN BY DD
DATE 11/10/99	REVIEWED BY	FILE NAME 93506S04



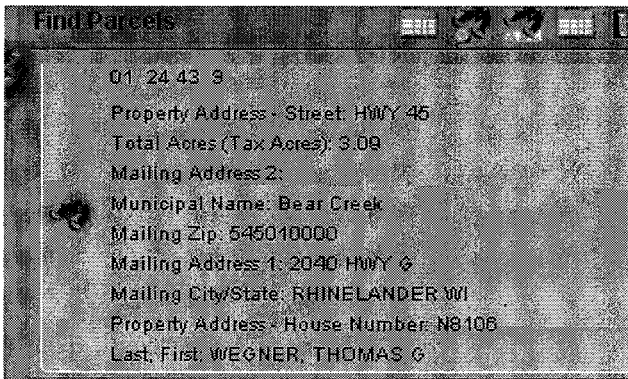
03-69-000214

**Chronert, Roxanne N - DNR**

**From:** Chronert, Roxanne N - DNR  
**Sent:** Monday, October 18, 2010 3:10 PM  
**To:** Moeller, Jason W - DNR  
**Subject:** FW: Oil under 76 & 45 Bear Creek

**Attachments:** Picture (Device Independent Bitmap); 76\_45\_oil\_2.pdf; 76\_45\_oil.pdf

**From:** Sanchez, Raquel S - DNR  
**Sent:** Thursday, October 07, 2010 09:39 AM  
**To:** Chronert, Roxanne N - DNR; Victor, Elizabeth A - DNR; Sturm, Thomas J - DNR  
**Cc:** Waupaca County - DMA; Wippermann, Todd - DNR  
**Subject:** RE: Oil under 76 & 45 Bear Creek



76\_45\_oil\_2.pdf  
(317 KB)



76\_45\_oil.pdf (292 KB)

Thanks,

Raquel

**From:** Chronert, Roxanne N - DNR  
**Sent:** Thursday, October 07, 2010 09:17 AM  
**To:** Victor, Elizabeth A - DNR; Sturm, Thomas J - DNR; Sanchez, Raquel S - DNR  
**Cc:** Waupaca County - DMA; Wippermann, Todd - DNR  
**Subject:** RE: Oil under 76 & 45 Bear Creek

Sanchez, can you pull up the land owner on the NE corner of 76 & 45 Bear Creek and send us info. electronically.

**From:** Victor, Elizabeth A - DNR  
**Sent:** Thursday, October 07, 2010 09:14 AM  
**To:** Chronert, Roxanne N - DNR; Sturm, Thomas J - DNR  
**Cc:** Waupaca County - DMA; Wippermann, Todd - DNR; Turner, Thomas M - DNR; Hansen, Diane E - DNR  
**Subject:** RE: Oil under 76 & 45 Bear Creek

Sure, Rox.

I will call my DOT contact.

Liz

03-69-000214  
(o) 8-18-89  
(c) 8-1-2000  
Dennison Quality Oil (Foam)

04-69-415530 (Diesel)  
(o) 6-8-84  
(c) 6-8-84  
Dennison Quality Oil

04-69-449692 (Gas)  
(o) 8-18-84  
(c) 8-18-84

04-69-556408 (2d Bubble)  
(o) 10-6-10  
(c) 11-10-10



---

**From:** Chronert, Roxanne N - DNR  
**Sent:** Thursday, October 07, 2010 09:01 AM  
**To:** Sturm, Thomas J - DNR; Victor, Elizabeth A - DNR  
**Cc:** Waupaca County - DMA; Wippermann, Todd - DNR; Turner, Thomas M - DNR; Hansen, Diane E - DNR  
**Subject:** Oil under 76 & 45 Bear Creek

Last night we received a complaint of petroleum coming up under 45 & 76. There is a closed lust at former Dennison Quality Oil 03-69-000214 in the area and 2 spills from the station (thanks Hansen).

Moeller called Veolia last night. Veolia should be on site by now this am to replace booms/pads in ditch and investigate. Warden Wippermann and EM Director Andy were going to meet Veolia on site this morning.

Liz can you talk to DOT. If this is from old LUST site now in DOT ROW they will most likely have some liability. Going to get messy...

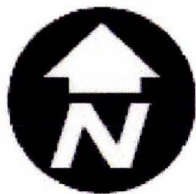
Sturm can you pull file (assuming it is in Shawano). Would you be willing to go on site and assist? Bring old maps.

Turner visual site. I will let you know if I hear of any media coverage.



## NE Corner of 76 & 45 (Waupaca)

Provided by the Land Information Office  
Powered by GIS



Attention! GIS maps are for informational purposes only and are not intended to represent evidence in title. The representations on these maps could in fact be in error and should not be relied upon as the sole determining factor in the location of any given parcel. Waupaca County is not responsible for any inaccuracies contained herein. Individuals should consult legal representation or professional survey advice to confirm and insure accuracy of a given parcel description. For More Information Call: (715) 258-6496



Printed: Oct 07, 2010



## NE Corner of 76 & 45 (Waupaca)

Provided by the Land Information Office  
Powered by GIS



Attention: GIS maps are for informational purposes only and are not intended to represent evidence in title. The representations on these maps could in fact be in error and should not be relied upon as the sole determining factor in the location of any given parcel. Waupaca County is not responsible for any inaccuracies contained herein. Individuals should consult legal representation or professional survey advice to confirm and insure accuracy of a given parcel description. For More Information Call: (715) 258-6496



Printed: Oct 07, 2010

## Chronert, Roxanne N - DNR

---

**From:** Chronert, Roxanne N - DNR  
**Sent:** Tuesday, October 12, 2010 3:14 PM  
**To:** Moeller, Jason W - DNR  
**Subject:** FW: Oil under 76 & 45 Bear Creek

---

**From:** TeBeest, Sharlene - DOT  
**Sent:** Thursday, October 07, 2010 11:50 AM  
**To:** Victor, Elizabeth A - DNR  
**Cc:** Smith, Janet - DOT; Sturm, Thomas J - DNR; Chronert, Roxanne N - DNR  
**Subject:** RE: Oil under 76 & 45 Bear Creek

Thanks Liz! I'll call Tom.

---

**From:** Victor, Elizabeth A - DNR  
**Sent:** Thursday, October 07, 2010 11:40 AM  
**To:** TeBeest, Sharlene - DOT  
**Cc:** Smith, Janet - DOT; Sturm, Thomas J - DNR; Chronert, Roxanne N - DNR  
**Subject:** FW: Oil under 76 & 45 Bear Creek

Hi Shar:

Here is the email chain. I talked to Roxanne Chronert, our spill coordinator. She is aware of the DOT permit requirements and said Veolia did not excavate, they dug some little "trenches" just big enough to put absorbents in. The product seems to be seeping out from underneath the road. They collected a water sample from the ditch and will have it analyzed to verify the sheen is from petroleum (there are petroleum odors). Roxanne will be putting together a summary of the events to date later today and she can copy you and Janet on it.

It would be a good idea to have one of your consultants go out to the site. Tom Sturm is the DNR PM for Waupaca County and has been out to the site and will be able to answer questions. Tom's number is (715) 526-4230 and his cell phone number is (715) 851-0986.

I am off tomorrow and will be returning to work on Weds of next week but feel free to call me on my cell phone: (920) 251-5563.

Liz

 *Elizabeth A. Victor*

Hydrogeologist  
Oshkosh Service Center  
Remediation and Redevelopment Program  
Wisconsin Department of Natural Resources  
(☎) phone: (920) 303-5424  
(☎) fax: (920) 424-4404  
(✉) e-mail: elizabeth.victor@dnr.state.wi.us

---

**From:** Chronert, Roxanne N - DNR  
**Sent:** Thursday, October 07, 2010 10:48 AM  
**To:** Victor, Elizabeth A - DNR; Sturm, Thomas J - DNR  
**Cc:** Waupaca County - DMA; Wippermann, Todd - DNR; Sager, John E - DNR  
**Subject:** RE: Oil under 76 & 45 Bear Creek

Greg Potts, Veolia, suggested and will be collecting water samples and analyzing for PAHs and PVOC, just to rule out some type of iron bacteria/sulfur. Sturm should be on site by now. Still cannot reach land owner (no know phone number). Holding off asking NO RSC or Rhinelander warden to stop at landowners house to have him call me until I get a better assessment from Sturm.

---

**From:** Chronert, Roxanne N - DNR  
**Sent:** Thursday, October 07, 2010 10:03 AM  
**To:** Victor, Elizabeth A - DNR; Sturm, Thomas J - DNR  
**Cc:** Waupaca County - DMA; Wippermann, Todd - DNR  
**Subject:** RE: Oil under 76 & 45 Bear Creek

Wippermann and Carlin just left site. Veolia is finishing up. Cannot reach Sturm, probably already on road. Sturm call Carlin when you will be onsite. 715-412-2807.

Cannot track down landowner yet. Will have Veolia maintain absorbent in ditch. County Highway Dept was on site this am. Determined that slippery road is not a hazard. Oil coming up near side of road.

---

**From:** Chronert, Roxanne N - DNR  
**Sent:** Thursday, October 07, 2010 09:42 AM  
**To:** Chronert, Roxanne N - DNR; Victor, Elizabeth A - DNR; Sturm, Thomas J - DNR; Sanchez, Raquel S - DNR  
**Cc:** Waupaca County - DMA; Wippermann, Todd - DNR  
**Subject:** RE: Oil under 76 & 45 Bear Creek

Veolia is going to dig some trenches in ditch and lay absorbent pads in to collect the sheen. Light sheen on water in ditch. Lots of staining on roadway like this has been going on for a while.

Roadway is soft. 2 weeks ago they received 8 inches of rain in the area. GW table is at ~1 foot BGS at roadway. GW table is deeper 25-30 feet back from roadway toward old station. Acting like artesian well at road.

PID reading just above GW Table near road are in single digits. 25-30 feet away from road toward station PID readings increase to 20. 40 feet from roadway toward station PID readings drop again. But remember water table is deeper away from road.

**We need to find RP (land owner) to hire consulting firm to look for source. I would recommend looking for old tanks in area as well as some boring to find source area.** I think the former station owner is Tom Wagner 2040 CTH Hwy G, Rhinelander 54501. I am trying to track him down. Wonder if he is part of Wagner oil.

In 1984 700 gallon diesel fuel spill at station. Lust opened in 89 closed in 2000.

Sturm is pulling closure packet and hoping to go to site. Liz is contacting DOT (just in case).

---

**From:** Chronert, Roxanne N - DNR  
**Sent:** Thursday, October 07, 2010 09:17 AM  
**To:** Victor, Elizabeth A - DNR; Sturm, Thomas J - DNR; Sanchez, Raquel S - DNR  
**Cc:** Waupaca County - DMA; Wippermann, Todd - DNR  
**Subject:** RE: Oil under 76 & 45 Bear Creek

Sanchez, can you pull up the land owner on the NE corner of 76 & 45 Bear Creek and send us info. electronically.

---

**From:** Victor, Elizabeth A - DNR  
**Sent:** Thursday, October 07, 2010 09:14 AM  
**To:** Chronert, Roxanne N - DNR; Sturm, Thomas J - DNR  
**Cc:** Waupaca County - DMA; Wippermann, Todd - DNR; Turner, Thomas M - DNR; Hansen, Diane E - DNR  
**Subject:** RE: Oil under 76 & 45 Bear Creek

Sure, Rox.

I will call my DOT contact.

Liz

**From:** Chronert, Roxanne N - DNR  
**Sent:** Thursday, October 07, 2010 09:01 AM  
**To:** Sturm, Thomas J - DNR; Victor, Elizabeth A - DNR  
**Cc:** Waupaca County - DMA; Wippermann, Todd - DNR; Turner, Thomas M - DNR; Hansen, Diane E - DNR  
**Subject:** Oil under 76 & 45 Bear Creek

Last night we received a complaint of petroleum coming up under 45 & 76. There is a closed lust at former Dennison Quality Oil 03-69-000214 in the area and 2 spills from the station (thanks Hansen).

Moeller called Veolia last night. Veolia should be on site by now this am to replace booms/pads in ditch and investigate. Warden Wippermann and EM Director Andy were going to meet Veolia on site this morning.

Liz can you talk to DOT. If this is from old LUST site now in DOT ROW they will most likely have some liability. Going to get messy...

Sturm can you pull file (assuming it is in Shawano). Would you be willing to go on site and assist? Bring old maps.

Turner visual site. I will let you know if I hear of any media coverage.



# VEOLIA

## ENVIRONMENTAL SERVICES

### Certificate of Treatment and Disposal

Veolia Environmental Services- Controlled Waste Division (WID003967148) has received waste material from UW-MADISON, UW-GREEN BAY, UW-LA CROSSE, UW- PARKSIDE, FOX LAKE CORRECTIONAL, WINNEBAGO MENTAL HEALTH, WDNR, WDOT and WDMA, between 07/30/10 and 06/28/11 described on Waste Manifests, ZZ00233564, ZZ00233565, ZZ00233724, ZZ00233652, ZZ00233802, ZZ00233567, ZZ00233801, ZZ00233655, ZZ00233656, ZZ00233657, ZZ00233658, ZZ00233105, 000559209VES, ZZ00234032, 000559197VES, ZZ00233907, 000559080VES, 000559212VES, 000559054VES, ZZ00234265, 000559063VES, 000559237VES, ZZ00234348, 000559264VES, ZZ00234158, ZZ00234160, ZZ00234161, ZZ00234159, 000481872VES, 000559115VES, 000413826VES, 000413858VES, ZZ00233618, ZZ00142443, 000416217VES, ZZ00233112, ZZ00233142, ZZ00233143, ZZ00233144, ZZ00233140, ZZ00233627, ZZ00233713, ZZ00233784, 000559072VES, 000416178VES, 000481793VES, 000413826VES, 000413858VES and 000559293VES .

By accepting the waste products described on the shipping papers referenced above, Veolia Environmental Services, certifies to the generator that the transportation, storage, and processing methods employed are in accordance with Veolia permit parameters, TSCA, RCRA, HMTA, OHSA, and all applicable federal, state, and local laws.

I certify on behalf of the above listed facility that, to the best of my knowledge, the waste was managed in compliance with all applicable laws, regulations, permits and licenses.

*William Banks, CHMM*

William Banks, CHMM

Veolia Environmental Services - Controlled Waste Division Signature



Green America Recycling L.L.C.  
10107 Hwy 79 Hannibal, MO 63401  
Phone: 573.248.0730 866.823.6364  
Fax: 573.221.8487

Certificate No. 34958-1

## CERTIFICATE OF RECYCLING FOR ENERGY RECOVERY

**Issued To:**

VEOLIA-WI  
W124N9451 BOUNDARY ROAD  
MENOMONEE FALLS, WI, 53051

Manifest Number: 000186011VES

Date Received: 3/16/2011 9:36:30 AM

**Green America Recycling L.L.C. has received waste material from the above referenced entity and as described on the above referenced manifest. Waste was managed in compliance with applicable laws, regulations, permits and licenses.**

**Date Issued: Tuesday, April 17, 2012**

The undersigned, on behalf of Green America Recycling L.L.C. to the best of my knowledge, certifies that the information provided is correct.

Signed:  
Name/Title

*Angela Williams*

Account Coordinator



## Chronert, Roxanne N - DNR

---

**From:** Chronert, Roxanne N - DNR  
**Sent:** Thursday, October 07, 2010 10:48 AM  
**To:** Victor, Elizabeth A - DNR; Sturm, Thomas J - DNR  
**Cc:** Waupaca County - DMA; Wippermann, Todd - DNR; Sager, John E - DNR  
**Subject:** RE: Oil under 76 & 45 Bear Creek

Greg Potts, Veolia, suggested and will be collecting water samples and analyzing for PAHs and PVOC, just to rule out some type of iron bacteria/sulfur. Sturm should be on site by now. Still cannot reach land owner (no know phone number). Holding off asking NO RSC or Rhinelander warden to stop at landowners house to have him call me until I get a better assessment from Sturm.

---

**From:** Chronert, Roxanne N - DNR  
**Sent:** Thursday, October 07, 2010 10:03 AM  
**To:** Victor, Elizabeth A - DNR; Sturm, Thomas J - DNR  
**Cc:** Waupaca County - DMA; Wippermann, Todd - DNR  
**Subject:** RE: Oil under 76 & 45 Bear Creek

Wippermann and Carlin just left site. Veolia is finishing up. Cannot reach Sturm, probably already on road. Sturm call Carlin when you will be onsite. 715-412-2807.

Cannot track down landowner yet. Will have Veolia maintain absorbent in ditch. County Highway Dept was on site this am. Determined that slippery road is not a hazard. Oil coming up near side of road.

---

**From:** Chronert, Roxanne N - DNR  
**Sent:** Thursday, October 07, 2010 09:42 AM  
**To:** Chronert, Roxanne N - DNR; Victor, Elizabeth A - DNR; Sturm, Thomas J - DNR; Sanchez, Raquel S - DNR  
**Cc:** Waupaca County - DMA; Wippermann, Todd - DNR  
**Subject:** RE: Oil under 76 & 45 Bear Creek

Veolia is going to dig some trenches in ditch and lay absorbent pads in to collect the sheen. Light sheen on water in ditch. Lots of staining on roadway like this has been going on for a while.

Roadway is soft. 2 weeks ago they received 8 inches of rain in the area. GW table is at ~1 foot BGS at roadway. GW table is deeper 25-30 feet back from roadway toward old station. Acting like artesian well at road.

PID reading just above GW Table near road are in single digits. 25-30 feet away from road toward station PID readings increase to 20. 40 feet from roadway toward station PID readings drop again. But remember water table is deeper away from road.

**We need to find RP (land owner) to hire consulting firm to look for source. I would recommend looking for old tanks in area as well as some boring to find source area.** I think the former station owner is Tom Wagner 2040 CTH Hwy G, Rhinelander 54501. I am trying to track him down. Wonder if he is part of Wagner oil.

In 1984 700 gallon diesel fuel spill at station. Lust opened in 89 closed in 2000.

Sturm is pulling closure packet and hoping to go to site. Liz is contacting DOT (just in case).

---

**From:** Chronert, Roxanne N - DNR  
**Sent:** Thursday, October 07, 2010 09:17 AM  
**To:** Victor, Elizabeth A - DNR; Sturm, Thomas J - DNR; Sanchez, Raquel S - DNR  
**Cc:** Waupaca County - DMA; Wippermann, Todd - DNR  
**Subject:** RE: Oil under 76 & 45 Bear Creek

Sanchez, can you pull up the land owner on the NE corner of 76 & 45 Bear Creek and send us info. electronically.

---

**From:** Victor, Elizabeth A - DNR  
**Sent:** Thursday, October 07, 2010 09:14 AM

**To:** Chronert, Roxanne N - DNR; Sturm, Thomas J - DNR  
**Cc:** Waupaca County - DMA; Wippermann, Todd - DNR; Turner, Thomas M - DNR; Hansen, Diane E - DNR  
**Subject:** RE: Oil under 76 & 45 Bear Creek

Sure, Rox.

I will call my DOT contact.

Liz

---

**From:** Chronert, Roxanne N - DNR  
**Sent:** Thursday, October 07, 2010 09:01 AM  
**To:** Sturm, Thomas J - DNR; Victor, Elizabeth A - DNR  
**Cc:** Waupaca County - DMA; Wippermann, Todd - DNR; Turner, Thomas M - DNR; Hansen, Diane E - DNR  
**Subject:** Oil under 76 & 45 Bear Creek

Last night we received a complaint of petroleum coming up under 45 & 76. There is a closed lust at former Dennison Quality Oil 03-69-000214 in the area and 2 spills from the station (thanks Hansen).

Moeller called Veolia last night. Veolia should be on site by now this am to replace booms/pads in ditch and investigate. Warden Wippermann and EM Director Andy were going to meet Veolia on site this morning.

Liz can you talk to DOT. If this is, from old LUST site now in DOT ROW they will most likely have some liability. Going to get messy...

Sturm can you pull file (assuming it is in Shawano). Would you be willing to go on site and assist? Bring old maps.

Turner visual site. I will let you know if I hear of any media coverage.



## **INCIDENT RESPONSE REPORT**

Prepared for

**WISCONSIN DEPARTMENT OF NATURAL RESOURCES –  
NORTHEAST REGION**

**VES-SS PROJECT NUMBER: 4901570.10.104**

**RESPONSE DATE: 10-6-10**

Prepared by  
Greg Potts  
Project Manager



## **TABLE OF CONTENTS**

---

- I. INCIDENT SUMMARY
  
- II. INCIDENT NARRATIVE
  
- III. MAP OF SPILL SITE
  
- IV. PHOTO DOCUMENTATION
  
- V. DISPOSAL DOCUMENTATION



## I. INCIDENT SUMMARY

---

**RESPONSE DATE:** October 6, 2010

**TIME NOTIFIED:** 2047 Hours (CST)

**NOTIFIED BY:** Jason Moeller – Wisconsin Department of Natural Resources

**INCIDENT LOCATION:** Highway 76 & 22  
Bear Creek, Wisconsin

**SITE CONTACT(S):** Andrew Carlin – Waupaca Emergency Management

**INCIDENT TYPE:** Diesel fuel release

**AMOUNT RELEASED:** Unknown

**SOURCE:** Unknown

**AFFECTED AREA:** Roadway and ditch

**WEATHER:** 72° Fahrenheit

**WASTE GENERATED:** 4 – 55 gallon drums of sand and absorbents



## II. INCIDENT NARRATIVE

---

On October 6, 2010, at 2047 hours (CST), Veolia ES Special Services, Inc. (VES-SS) received a call from Jason Moeller with the Wisconsin Department of Natural Resources (WDNR) regarding diesel bubbling up from the roadway. The incident occurred at the intersection of Highway 22 & 76 in Bear Creek, Wisconsin. VES-SS was contracted to respond to the incident the following morning and perform the necessary clean up.

On October 7, 2010, at 0800 hours (CST), VES-SS personnel arrived onsite to conduct a site assessment and map out the spill area. VES-SS found that there was water and fuel coming from a crack in the roadway. The fuel and water had migrated to the adjacent ditches on either side of the roadway. The area had received 6-8 inches of rain a couple of days prior to VES-SS's arrival, causing the water levels to rise pushing the water and fuel to the road surface. VES-SS used a photo ionization detector to test areas around the release area. VES-SS found the levels were between 15 and 25 ppm. Due to the northeast corner of the intersection being a previously closed spill site, VES-SS was requested to retrieve water samples and have them tested for PVOC's and PAH.

VES-SS then removed the absorbents boom and pad that had been placed by Emergency Management and placed them into one 55 gallon steel drum. The drum was labeled and left onsite. New absorbents were placed in the two ditches and along the gravel. VES-SS personnel were offsite at 1120 hours (CST).

On October 15, 2010, the analytical results were received from Pace Analytical and were forwarded to Mr. Moeller and Tom Sturn with the WDNR. VES-SS was then contacted by Mr. Moeller requesting that VES-SS return to site and remove the absorbents and sand from the ditch due to the analytical results being lower than the site closure analytical.

On October 19, 2010, at 1530 hours (CST), VES-SS returned to site and removed the sand and absorbents from the area and placed them into three 55 gallon steel drums. The drums were labeled and loaded for transport to VES-SS Neenah, Wisconsin facility for holding until



appropriate disposal could be arranged. VES-SS personnel were offsite at 1630 hours (CST).

On October 21, 2010, VES-SS transported the four drums of absorbents and sand to Veolia ES Technical Solutions, LLC in Menomonee Falls, Wisconsin for proper disposal.

No further action was requested of VES-SS at this time.

Veolia ES Special Services, Inc. appreciates the opportunity to assist with your environmental emergencies. If you have any questions regarding this response, please call me at (800) 688-4005.

All information presented in this report has been submitted with good intent and to the best of my knowledge.

REPORT COMPLETED BY: Greg Potts – Project Manager

A handwritten signature in black ink, appearing to read 'Greg Potts'.

DATE: November 1, 2010

REPORT REVIEWED BY: Chad Kraemer– Network Program Manager

A handwritten signature in black ink, appearing to read 'Chad Kraemer'.

DATE: November 1, 2010



### III. MAP OF INCIDENT SITE

---





VES-SS Project Number: 4901570.10.104

Response Date: 10-6-10



Spill Location



## IV. PHOTOGRAPHIC DOCUMENTATION



Water & Diesel



Absorbents in Ditch



Sand Dam



Surrounding Samples



New Absorbents Placed



Sand Removed



Absorbents Removed



## V. DISPOSAL DOCUMENTATION

---



**VEOLIA**  
ENVIRONMENTAL SERVICES



SHIPPING DOCUMENT		1. Generator ID Number WIR00002212	2. Page 1 of 1	3. Emergency Response Phone 8006884005	4. Shipping Document Tracking Number ZZ 00142443	
5. Generator's Name and Mailing Address WONR 2984 Shawano Ave Green Bay, WI 54307			Generator's Site Address (if different than mailing address) Hwy 76 E 22 Bear Creek, WI			
Generator's Phone:			U.S. EPA ID Number WIR000120592			
6. Transporter 1 Company Name Veolia ES Special Services			U.S. EPA ID Number			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address Veolia ES Technical Solutions W124 N9451 Boundary Rd Menomonee Falls, WI 53051			U.S. EPA ID Number WEP00396714P			
Facility's Phone:			U.S. EPA ID Number			
GENERATOR	9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt/Vol.
			No.	Type		
	1.	Non Regulated, Non DOT, Non RCRA	4	DM	500	P
	2.					
	3.					
13. Codes						
					None	
14. Special Handling Instructions and Additional Information Job # 4901570, 10.104-WONR PO # D06-101999						
15. GENERATOR S/OFFEROR S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.						
Generator's/Officer's Printed/Typed Name Jason Moeller			Signature [Signature]		Month Day Year 10 20 10	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Shipment						
Transporter 1 Printed/Typed Name [Signature]			Signature [Signature]		Month Day Year 10 20 10	
Transporter 2 Printed/Typed Name			Signature		Month Day Year	
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Shipping Document Tracking Number: _____ U.S. EPA ID Number: _____						
18b. Alternate Facility (or Generator) _____ U.S. EPA ID Number: _____						
Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____						
19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)						
1. _____		2. _____		3. _____		4. _____
20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a						
Printed/Typed Name _____			Signature _____		Month Day Year _____	

DESIGNATED FACILITY TO GENERATOR

Veolia ES Special Services, Inc.  
785 County Road CB, Suite 100  
Neenah, WI 54956  
Tel: 920-749-8100 - fax: 920-749-8110  
www.VeoliaES.com





## VI. ANALYTICAL DOCUMENTATION

---



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

October 15, 2010

Greg Potts  
VEOLIA ES SPECIAL SERVICES, IN  
785 CR-CBSuite 100  
Neenah, WI 54956

RE: Project: 4901570.10.104 WDNR  
Pace Project No.: 4037981

Dear Greg Potts:

Enclosed are the analytical results for sample(s) received by the laboratory on October 07, 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,

Brian Basten

brian.basten@pacelabs.com  
Project Manager

Enclosures

cc: Accounts Payable, Veolia Es Special Services, Inc

**REPORT OF LABORATORY ANALYSIS**

Page 1 of 10

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



**Veolia ES Special Services, Inc.**  
785 County Road CB, Suite 100  
Neenah, WI 54956  
Tel: 920-749-8100 - fax: 920-749-8110  
www.VeoliaES.com



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

### CERTIFICATIONS

Project: 4901570.10.104 WDNR  
Pace Project No.: 4037981

#### 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

### REPORT OF LABORATORY ANALYSIS

Page 2 of 10

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..





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

**SAMPLE SUMMARY**

Project: 4901570.10.104 WDNR  
Pace Project No.: 4037981

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4037981001	WATER SAMPLE	Water	10/07/10 10:30	10/07/10 17:00

**REPORT OF LABORATORY ANALYSIS**

Page 3 of 10

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..





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

**SAMPLE ANALYTE COUNT**

Project: 4901570.10.104 WDNR  
Pace Project No.: 4037981

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4037981001	WATER SAMPLE	WI MOD GRO EPA 8270 by SIM	SES RJN	8 20	PASI-G PASI-G

**REPORT OF LABORATORY ANALYSIS**

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..





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

ANALYTICAL RESULTS

Project: 4901570.10.104 WDNR  
Pace Project No.: 4037981

Sample: WATER SAMPLE Lab ID: 4037981001 Collected: 10/07/10 10:30 Received: 10/07/10 17:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>WIGRO GCV</b> Analytical Method: WI MOD GRO									
Benzene	22.3	ug/L	1.0	0.39	1		10/08/10 10:03	71-43-2	
Ethylbenzene	29.9	ug/L	1.0	0.41	1		10/08/10 10:03	100-41-4	
Methyl-tert-butyl ether	0.93J	ug/L	1.0	0.38	1		10/08/10 10:03	1634-04-4	
Toluene	20.4	ug/L	1.0	0.42	1		10/08/10 10:03	108-88-3	
1,2,4-Trimethylbenzene	44.8	ug/L	1.0	0.43	1		10/08/10 10:03	95-63-6	
1,3,5-Trimethylbenzene	<0.40	ug/L	1.0	0.40	1		10/08/10 10:03	108-67-8	
Xylene (Total)	122	ug/L	3.0	1.3	1		10/08/10 10:03	1330-20-7	
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		10/08/10 10:03	98-08-8	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510									
Acenaphthene	0.0075J	ug/L	0.050	0.0048	1	10/13/10 07:30	10/14/10 08:51	83-32-9	
Acenaphthylene	<0.0038	ug/L	0.050	0.0038	1	10/13/10 07:30	10/14/10 08:51	208-96-8	
Anthracene	0.0078J	ug/L	0.050	0.0061	1	10/13/10 07:30	10/14/10 08:51	120-12-7	
Benzo(a)anthracene	0.025J	ug/L	0.050	0.0038	1	10/13/10 07:30	10/14/10 08:51	56-55-3	B
Benzo(a)pyrene	0.052	ug/L	0.050	0.0030	1	10/13/10 07:30	10/14/10 08:51	50-32-8	B
Benzo(b)fluoranthene	0.056	ug/L	0.050	0.0036	1	10/13/10 07:30	10/14/10 08:51	205-99-2	B
Benzo(g,h,i)perylene	0.093	ug/L	0.050	0.0051	1	10/13/10 07:30	10/14/10 08:51	191-24-2	B
Benzo(k)fluoranthene	0.038J	ug/L	0.050	0.0046	1	10/13/10 07:30	10/14/10 08:51	207-08-9	B
Chrysene	0.068	ug/L	0.050	0.0037	1	10/13/10 07:30	10/14/10 08:51	218-01-9	B
Dibenz(a,h)anthracene	0.016J	ug/L	0.050	0.0034	1	10/13/10 07:30	10/14/10 08:51	53-70-3	B
Fluoranthene	0.039J	ug/L	0.050	0.0047	1	10/13/10 07:30	10/14/10 08:51	206-44-0	B
Fluorene	<0.0051	ug/L	0.050	0.0051	1	10/13/10 07:30	10/14/10 08:51	86-73-7	
Indeno(1,2,3-cd)pyrene	0.039J	ug/L	0.050	0.0050	1	10/13/10 07:30	10/14/10 08:51	193-39-5	B
1-Methylnaphthalene	0.018J	ug/L	0.050	0.0053	1	10/13/10 07:30	10/14/10 08:51	90-12-0	
2-Methylnaphthalene	0.020J	ug/L	0.050	0.0041	1	10/13/10 07:30	10/14/10 08:51	91-57-6	
Naphthalene	0.055	ug/L	0.050	0.0051	1	10/13/10 07:30	10/14/10 08:51	91-20-3	B
Phenanthrene	0.016J	ug/L	0.050	0.0086	1	10/13/10 07:30	10/14/10 08:51	85-01-8	
Pyrene	0.083	ug/L	0.050	0.0050	1	10/13/10 07:30	10/14/10 08:51	129-00-0	B
2-Fluorobiphenyl (S)	54	%	23-130		1	10/13/10 07:30	10/14/10 08:51	321-60-8	
Terphenyl-d14 (S)	86	%	58-144		1	10/13/10 07:30	10/14/10 08:51	1718-51-0	

Date: 10/15/2010 03:41 PM

REPORT OF LABORATORY ANALYSIS

Page 5 of 10

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..





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

QUALITY CONTROL DATA

Project: 4901570.10.104 WDNR  
Pace Project No.: 4037981

QC Batch: GCV/5694 Analysis Method: WI MOD GRO  
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water  
Associated Lab Samples: 4037981001

METHOD BLANK: 366947 Matrix: Water  
Associated Lab Samples: 4037981001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.43	1.0	10/08/10 08:46	
1,3,5-Trimethylbenzene	ug/L	<0.40	1.0	10/08/10 08:46	
Benzene	ug/L	<0.39	1.0	10/08/10 08:46	
Ethylbenzene	ug/L	<0.41	1.0	10/08/10 08:46	
Methyl-tert-butyl ether	ug/L	<0.38	1.0	10/08/10 08:46	
Toluene	ug/L	<0.42	1.0	10/08/10 08:46	
Xylene (Total)	ug/L	<1.3	3.0	10/08/10 08:46	
a,a,a-Trifluorotoluene (S)	%	104	80-120	10/08/10 08:46	

Parameter	Units	LABORATORY CONTROL SAMPLE & LCSD: 366948		366949		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec				
1,2,4-Trimethylbenzene	ug/L	20	20.2	20.3	101	102	80-120	.7	20
1,3,5-Trimethylbenzene	ug/L	20	20.5	20.4	102	102	80-120	.7	20
Benzene	ug/L	20	20.7	20.6	104	103	80-120	.6	20
Ethylbenzene	ug/L	20	20.6	20.5	103	102	80-120	.8	20
Methyl-tert-butyl ether	ug/L	20	21.6	20.7	108	103	80-120	.4	20
Toluene	ug/L	20	20.8	20.7	104	104	80-120	.4	20
Xylene (Total)	ug/L	60	62.5	62.0	104	103	80-120	.8	20
a,a,a-Trifluorotoluene (S)	%				102	102	80-120		

Date: 10/15/2010 03:41 PM

REPORT OF LABORATORY ANALYSIS

Page 6 of 10

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc.



Veolia ES Special Services, Inc.  
785 County Road CB, Suite 100  
Neenah, WI 54956  
Tel: 920-749-8100 - fax: 920-749-8110  
www.VeoliaES.com



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

QUALITY CONTROL DATA

Project: 4901570.10.104 WDNR  
Pace Project No.: 4037981

QC Batch: OEXT/9397 Analysis Method: EPA 8270 by SIM  
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by SIM MSSV  
Associated Lab Samples: 4037981001

METHOD BLANK: 369022 Matrix: Water  
Associated Lab Samples: 4037981001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0053	0.050	10/13/10 14:39	
2-Methylnaphthalene	ug/L	<0.0041	0.050	10/13/10 14:39	
Acenaphthene	ug/L	<0.0048	0.050	10/13/10 14:39	
Acenaphthylene	ug/L	<0.0038	0.050	10/13/10 14:39	
Anthracene	ug/L	<0.0061	0.050	10/13/10 14:39	
Benzo(a)anthracene	ug/L	0.018J	0.050	10/13/10 14:39	
Benzo(a)pyrene	ug/L	0.0083J	0.050	10/13/10 14:39	
Benzo(b)fluoranthene	ug/L	0.024J	0.050	10/13/10 14:39	
Benzo(g,h,i)perylene	ug/L	0.018J	0.050	10/13/10 14:39	
Benzo(k)fluoranthene	ug/L	0.020J	0.050	10/13/10 14:39	
Chrysene	ug/L	0.018J	0.050	10/13/10 14:39	
Dibenz(a,h)anthracene	ug/L	0.014J	0.050	10/13/10 14:39	
Fluoranthene	ug/L	0.015J	0.050	10/13/10 14:39	
Fluorene	ug/L	<0.0051	0.050	10/13/10 14:39	
Indeno(1,2,3-cd)pyrene	ug/L	0.015J	0.050	10/13/10 14:39	
Naphthalene	ug/L	0.012J	0.050	10/13/10 14:39	
Phenanthrene	ug/L	<0.0086	0.050	10/13/10 14:39	
Pyrene	ug/L	0.016J	0.050	10/13/10 14:39	
2-Fluorobiphenyl (S)	%	55	23-130	10/13/10 14:39	
Terphenyl-d14 (S)	%	95	58-144	10/13/10 14:39	

LABORATORY CONTROL SAMPLE: 369023

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	0.11	55	27-130	
2-Methylnaphthalene	ug/L	2	0.11	55	27-130	
Acenaphthene	ug/L	2	0.11	56	32-130	
Acenaphthylene	ug/L	2	0.11	55	32-130	
Anthracene	ug/L	2	0.12	61	27-130	
Benzo(a)anthracene	ug/L	2	0.17	86	43-130	
Benzo(a)pyrene	ug/L	2	0.16	82	57-130	
Benzo(b)fluoranthene	ug/L	2	0.21	104	42-130	
Benzo(g,h,i)perylene	ug/L	2	0.20	99	55-130	
Benzo(k)fluoranthene	ug/L	2	0.19	93	66-138	
Chrysene	ug/L	2	0.20	98	68-130	
Dibenz(a,h)anthracene	ug/L	2	0.19	94	35-130	
Fluoranthene	ug/L	2	0.15	74	44-130	
Fluorene	ug/L	2	0.11	57	31-130	
Indeno(1,2,3-cd)pyrene	ug/L	2	0.20	98	46-130	
Naphthalene	ug/L	2	0.12	58	27-130	
Phenanthrene	ug/L	2	0.12	61	30-130	

Date: 10/15/2010 03:41 PM

REPORT OF LABORATORY ANALYSIS

Page 7 of 10

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..







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

**QUALITY CONTROL DATA**

Project: 4901570.10.104 WDNR  
Pace Project No.: 4037981

LABORATORY CONTROL SAMPLE: 369023

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/L	2	0.15	76	40-130	
2-Fluorobiphenyl (S)	%			51	23-130	
Terphenyl-d14 (S)	%			88	58-144	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 369024 369025

Parameter	Units	369024		369025		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		4038006009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						MSD Result
1-Methylnaphthalene	ug/L	<0.0050	.19	.19	0.10	0.095	54	51	11-130	7	50
2-Methylnaphthalene	ug/L	<0.0039	.19	.19	0.11	0.099	55	51	10-130	7	50
Acenaphthene	ug/L	<0.0045	.19	.19	0.11	0.097	56	51	16-130	8	42
Acenaphthylene	ug/L	<0.0036	.19	.19	0.10	0.096	54	51	10-130	6	41
Anthracene	ug/L	<0.0057	.19	.19	0.12	0.12	61	60	10-130	2	39
Benzo(a)anthracene	ug/L	0.0046J	.19	.19	0.18	0.18	94	94	54-130	.1	20
Benzo(a)pyrene	ug/L	0.0044J	.19	.19	0.16	0.16	85	82	55-130	3	20
Benzo(b)fluoranthene	ug/L	0.0044J	.19	.19	0.21	0.20	106	102	48-130	4	23
Benzo(g,h,i)perylene	ug/L	<0.0048	.19	.19	0.19	0.18	96	95	53-130	1	21
Benzo(k)fluoranthene	ug/L	0.0050J	.19	.19	0.17	0.16	85	84	53-135	2	20
Chrysene	ug/L	0.0064J	.19	.19	0.19	0.19	96	95	60-130	1	20
Dibenz(a,h)anthracene	ug/L	<0.0032	.19	.19	0.18	0.17	94	92	49-130	3	20
Fluoranthene	ug/L	0.0099J	.19	.19	0.17	0.18	86	88	34-130	2	33
Fluorene	ug/L	<0.0048	.19	.19	0.10	0.097	54	52	10-130	5	44
Indeno(1,2,3-cd)pyrene	ug/L	<0.0047	.19	.19	0.18	0.18	96	96	50-130	.6	20
Naphthalene	ug/L	0.011J	.19	.19	0.11	0.11	54	53	10-130	3	50
Phenanthrene	ug/L	<0.0081	.19	.19	0.11	0.11	57	56	12-130	2	40
Pyrene	ug/L	0.0086J	.19	.19	0.18	0.18	90	89	41-130	.7	29
2-Fluorobiphenyl (S)	%						47	45	23-130		
Terphenyl-d14 (S)	%						107	100	58-144		

Date: 10/15/2010 03:41 PM

**REPORT OF LABORATORY ANALYSIS**

Page 8 of 10

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc..





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

### QUALIFIERS

Project: 4901570.10.104 WDNR  
Pace Project No.: 4037981

#### 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

#### BATCH QUALIFIERS

Batch: GCV/5694

[MS] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

#### ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

Date: 10/15/2010 03:41 PM

### REPORT OF LABORATORY ANALYSIS

Page 9 of 10

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..





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

**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: 4901570.10.104 WDNR  
Pace Project No.: 4037981

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4037981001	WATER SAMPLE	WI MOD GRO	GCV/5694		
4037981001	WATER SAMPLE	EPA 3510	OEXT/9397	EPA 8270 by SIM	MSSV/2981

Date: 10/15/2010 03:41 PM

**REPORT OF LABORATORY ANALYSIS**

Page 10 of 10

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

