04-20-380158

920-929-6066

04-20-380158

State of Wisconsin Substance Release Notification Form

24-Hour Emergency Hotline Number: 1-800-943-0003

PLEASE PRINT
Form 4400-91 Rev. 2-

Date and Mil. Time of Incident: 2-5-00 1745	Date and Mil. Time Reported: 2-5-00 1745
Person Reporting/Representing: Wisc. Central / Larry Collins	Phone # (920) 803-8341
Responsible Party/Spiller: Wisconsin Central	Phone # (920) 929-6094
Contact Name: Larry Collins	Phone # ~~(920) 803-8341~~
Address: 2 Harrison St.	City, State, Zip Code: N. Fondulac 54937
Substance Involved: Diesel Fuel	Amount & Units Released: 60 – 80 Gal.
	Amount Recovered:

☐ Solid ☐ Semisolid ☒ Liquid ☐ Gas Color _____ Odor _____

Exact Location (inc. address, facility name, mileage, bldg. #, etc.): Fond du lac Switching Yard TRACK #55

City: Fondulac	County: Fondulac	Lat/long
DNR Region: NER	___1/4 ___1/4sec ___NR ___(E/W)	Weather Cond.

Cause of Incident: Leaking fitting on ~~engine~~ Locomotive engine

Action Taken By Spiller:
- ☐ No Action Taken
- ☐ No Action Needed
- ☒ Monitor
- ☒ Cleanup Method:
- ☐ Waste Destination:
- ☐ Containment
- ☒ Contractor Hired
  - Name: ① Superior environmental
  - ☐ Other: ② TRC Sampling
  - ③ Earth Tech

Spilled Substance Impact To: Check (√) all that apply:
- ☐ Air ☐ Potential
- ☒ Soil ☐ Potential
- ☐ Groundwater ☐ Potential
- ☐ Surface Water ☐ Potential
  - Name _____
- ☐ Storm Sewer ☐ Potential
- ☐ Sanitary Sewer ☐ Potential
- ☐ Concrete/Asphalt ☐ Potential
- ☐ Private Well ☐ Potential
- ☐ Contained/Recovered
- ☐ Other: _____

Spill Source:
- ☐ Transportation Accident, Fuel Tank Spill
- ☐ Transportation Accident, Load Spill
- ☐ Industrial Facility ☐ Paper Mill ☐ Chemical Co.
- ☐ Ag Coop/Facility/ Food Factory/Facility
- ☐ Gas/Service Station/Garage/Auto Dealer, Repair Shop
- ☐ Pipeline, Terminal, Tank Farm, Oil Jobber/Wholesaler
- ☐ Public Property (city, state, church, school, etc.)
- ☐ Utility Co, Power Generating/ Transfer Facility
- ☐ Private Property (home/farm)
- ☐ Construction, Excavation, Wrecking, Quarry, Mine
- ☐ Airport Facility ☒ Railroad Facility
- ☐ Other _____

Injuries? ☐ Yes ☒ No If yes, how many? _____ Has an evacuation occurred? ☐ Yes ☒ No Potential? ☐ Yes ☐ No

Are there any resource damages? ☐ Yes ☐ No ☒ Potential What kinds? _____

Other Agencies Notified (√ first column if notified) (√) both columns if on the scene

☐☐ Fire Department	☒☐ Local DNR	☐☐ EPA
☐☐ Local Law Enforcement	☐☐ Div. Emer. Mgt.	☐☐ Nat'l Resp. Ctr. 800-442-8802
☐☐ LEPC or Local Emer. Mgt.	☐☐ Coast Guard	☐☐ Chemtrec 800-424-9300
☐☐ Level A/Level B Team	☐☐ DHFS 608-258-0099	☐☐ Other _____

Incident Commander, if known: _____ Phone: _____

Prepared By: (Print) Tom Solin	(Phone)	Date: 2-5-00	Rpt'd to DATCP? ☐ Yes ☒ No
Person Notified: Faxed to NER	(Phone)	Date: 2-7-00	Time: 0920
Investgtd By: (Print)	(Sign)	Date:	Incident Closed? ☐ Yes ☐ No Date: 6-2-05
Spill Coordinator Signoff: [signature]	Date: 6-2-05	Transferred to: ERP ☒ DATCP ☐ Date: Case # 02-20-543232	NFA Letter Sent? ☐ Yes ☒ No Spill Packet Sent? ☐ Yes ☒ No To:

☐ Additional Comments on Reverse

1-10-05 – Earth Tech will do invest.

Chronert, Roxanne N.

From: Easterly, Jennifer S.
Sent: Thursday, February 10, 2005 9:33 AM
To: Chronert, Roxanne N.
Subject: RE: 02-05-2000 CN Track 55 Diesel Fuel Release at N Fond du Lac Yard

Make sure he sends you the lab data sheets and COC forms. Wish we could get a copy of this darn report.....ask for it again if you don't mind.

-----Original Message-----
From: Graham, Doug [mailto:Doug.Graham@earthtech.com]
Sent: Thursday, February 10, 2005 8:43 AM
To: Chronert, Roxanne N.
Cc: Geoffrey Nokes - Canadian National; Easterly, Jennifer S.
Subject: RE: 02-05-2000 CN Track 55 Diesel Fuel Release at N Fond du Lac Yard

Roxanne -

See the attached information from the TRC Report regarding the Trash 55 issues. I will also get the information regarding the "Bio" area.
Please contact me with any questions.
Doug

Douglas W. Graham, P.E.
920-451-2806
<mailto: Doug.Graham@earthtech.com>

From: Chronert, Roxanne N. [mailto:Roxanne.Chronert@dnr.state.wi.us]
Sent: Tuesday, February 01, 2005 12:39 PM
To: Easterly, Jennifer S.; Geoffrey Nokes - Canadian National
Cc: Doug Graham - Earth Tech
Subject: 02-05-2000 CN Track 55 Diesel Fuel Release at N Fond du Lac Yard

I spoke with Geoffrey Nokes this morning regarding the 02-05-2000 CN Track #55 Diesel Fuel Release at N Fond du Lac Yard. Nokes will have Graham send me the sampling results and other pertinent information out of the TRC report for this area. Earth Tech will be collecting samples in the Track #55 area this spring (as soon as they able to do the field work) do define the degree and extent of the contamination. If additional investigation and or remediation is required we will transfer this case to ERP. If not they will send me the results and a NFA report. Rox

Roxanne Nelezen Chronert
Spills Coordinator - Hydrogeologist
Wisconsin Department of Natural Resources
1125 N Military Avenue - PO Box 10448
Green Bay WI 54307-0448
phone: (920) 492-5592
fax: (920) 492-5859
e-mail: Roxanne.chronert@dnr.state.wi.us
Visit us on the web at www.dnr.wi.gov

This e-mail is intended to be delivered only to the named addressee(s) and may contain information that is confidential and proprietary. If this information is received by anyone other than the named addressee(s), the recipient(s) should immediately notify the sender by e-mail and promptly delete the transmitted material from your computer and server. In no event shall this material be read, used, stored, or retained by anyone other than the named addressee(s) without the express written consent of the sender or the named addressee(s).

Track 55 Issues

Excerpt from TRC Phase II Report

Spill Area 175 Feet from Crossover on West Side of Track 55 (AOC 58)

One surface soil sample SS-113 was analyzed to evaluate AOC 58. Table 4-25 indicates the analytical results. The concentration of benzo(a)pyrene exceeds the direct contact at Industrial sites but is the same order of magnitude as the Residual Contaminant Level (RCL). Naphthalene and phenanthrene equal or exceed their respective Groundwater Pathway RCLs by the same order of magnitude as the RCL. DRO is the same order of magnitude as its respective RCL.

Table 4-25. Spill Area 175 Feet from Crossover on West Side of Track 55 (AOC 58) Sample Results North Fond du Lac Yard, North Fond du Lac, Wisconsin

	Sample Location:		SS-113
	Matrix:		Surface Soil
	Sample Date:		1/11/2004
Polynuclear Aromatic Hydrocarbons	**Groundwater Pathway RCL (µg/kg)**	**Direct Contact Pathway RCL (µg/kg)**	**µg/kg**
2-Methylnaphthalene	20,000	40,000,000	1,500
Acenaphthene	38,000	60,000,000	250
Acenaphthylene	700	360,000	170
Anthracene	3,000,000	300,000,000	710
Benzo(a)anthracene	17,000	3,900	1,100
Benzo(a)pyrene	48,000	390	**870**
Benzo(b)fluoranthene	360,000	3,900	1,900
Benzo(g,h,i)perylene	6,800,000	39,000	840
Benzo(k)fluoranthene	870,000	39,000	690
Chrysene	37,000	390,000	1,800
Dibenz(a,h)anthracene	38,000	390	310
Fluoranthene	500,000	40,000,000	2,500
Fluorene	100,000	40,000,000	260
Indeno(1,2,3-cd)pyrene	680,000	3,900	630
Naphthalene	400	110,000	**970**
Phenanthrene	1,800	390,000	**1,800**
Pyrene	8,700,000	30,000,000	2,100

Petroleum Volatile Organic Compounds	**RCL (µg/kg)**		**µg/kg**
Benzene	5.5		***< 5.6***
Diesel Range Organics	**RCL (mg/kg)**		**mg/kg**
DRO	100		**420**

Compound was not detected at the laboratory reporting limit
<Italicized Value Reporting limit is above regulatory limit
BOLD, Highlighted Value exceeds Groundwater Pathway or Direct Contact at Industrial Properties RCL
PAH RCLs from *Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs), Interim Guidance WDNR Publication No.RR-519-97, April 1997, (Corrected).*
RCLs for Benzene and DRO from *NR 700, Chapter 720, Soil Cleanup Standards, January, 2001.*

Collection of Aquifer and Soil Property Data

Additional hydrogeological data, including groundwater elevations, groundwater flow direction, hydraulic conductivity, and soil sieve analysis were collected. In accordance with the work plan, four soil samples were collected for grain size analysis from soil borings. Slug tests were performed on monitoring wells MW-105 and MW-109 in the WC Yard, and MW-110 and MW-113 in the FV&W Yard. The slug test data and grain size distribution curves were used to facilitate interpretation of subsurface conditions at the site. Rising-head/falling-head recovery tests or slug tests were performed in monitoring wells MW-105, MW-109, MW-110 and MW-113 to determine hydraulic conductivity.

Hydraulic Conductivity Calculations

As part of the Phase II ESA scope of work, estimates of hydraulic conductivity were calculated from rising and falling head slug tests, on each of four monitoring wells in the North Fond du Lac Yard (MW-105, MW-109, MW-110 and MW-113). Table 3-3 summarizes the results and the geometric mean of the calculated hydraulic conductivity values in the two (WC and FV&W) yards.

Table 3-3. Summary of Hydrologic Parameters
North Fond du Lac Yard, North Fond du Lac, Wisconsin

Area	Monitoring Well	Calculated Hydraulic Conductivity (cm/sec)			Hydraulic Gradient (ft/ft)	Groundwater Velocity (cm/sec)
		Falling Head	Rising Head	Geometric Mean		
WC Yard	MW-105	8.97×10^{-5}	7.86×10^{-5}	7.97×10^{-5}	0.025	6.64×10^{-6}
	MW-109	5.24×10^{-5}	1.09×10^{-4}			
FV&W Yard	MW-110	1.22×10^{-4}	1.46×10^{-4}	1.01×10^{-4}	0.003	1.01×10^{-6}
	MW-113	9.59×10^{-5}	6.20×10^{-5}			

Based on the materials encountered in the Phase II ESA soil borings, the sequence of stratigraphic units from shallowest to deepest (youngest to oldest) at the North Fond du Lac Yard consists of fill (gravel ballast and sand) and unconsolidated sediment (a silty clay layer with intermixed gravel). The yard is situated on varying amounts of fine-grained fill that overlies fine-grained silt and gravel. The depth to groundwater in the wells at the site varied between wells. Several wells were dry initially and required several weeks before they accumulated water. A steeper horizontal hydraulic gradient (approximately 0.025 foot per foot) is calculated in the WC Yard than the FV&W Yard (approximately 0.003 foot per foot) based on the hydraulic head distribution in the Phase II ESA monitoring wells. Calculated hydraulic conductivities and groundwater were moderate.

Summary

The Phase II ESA investigation findings indicate no offsite migration of constituents of concern. The unconsolidated deposits were water-saturated across the investigation area. The clay below the fill was often damp or wet in many of the soil borings. In the WC Yard, the data indicate the water table generally flows eastward. The water table in the FV&W Yard shows a west-northwest flow direction. Generally, permeability of the unconsolidated deposits and the horizontal groundwater movement across the site is fairly moderate to slow; however, no evidence was found of lateral migration of affected groundwater over an appreciable distance.

Chronert, Roxanne N.

From: Geoffrey.Nokes@cn.ca
Sent: Friday, October 31, 2003 5:07 PM
To: Chronert, Roxanne N.
Subject: RE: feb 5 2000 fdl spill

Hi Roxanne,

I'll be up that way the week of Nov 10 or the week of Nov 17 at the latest and will find and inspect the location based on the Supeior field notes and then get you some pictures and a map of the location. I'll try to get some borings or hand augers if possible to see what impact remain. Superior notes say that the spill was on track 55, 175' down from the crossover (track switch) and on the west side with the spill being approximately 10 feet long and a foot wide. I should be able to locate and get an idea of what's going on. I'll get a consultant involved if needed.

Let me know if you need something quicker than mid November.

Thanks,

Geoff

"Chronert, Roxanne N." <Roxanne.Chronert@dnr.state.wi.us>

10/31/03 04:18 PM

To: "'Geoffrey.Nokes@cn.ca'" <Geoffrey.Nokes@cn.ca>
cc: "Pelczar, Jennifer S" <Jennifer.Pelczar@dnr.state.wi.us>
Subject: RE: feb 5 2000 fdl spill

Jeff, based on the fact that no work was done to address the spill at the time of the incident please identify the area and take action to assess and remedy the release. Could you also send me a map showing where the spill occurred? Please keep me updated on this incident. Based on where the spill occurred, how big of an area is impacted, and what needs to be done I can determine how we will handle this spill internally (Spill vs ERP).

Thanks again for following up on these sites. I look forward to closing out all these old spills!

-----Original Message-----
From: Geoffrey.Nokes@cn.ca [mailto:Geoffrey.Nokes@cn.ca]
Sent: Friday, October 31, 2003 1:41 PM
To: Chronert, Roxanne N.
Subject: feb 5 2000 fdl spill

Hello Roxanne,

Here is the Superior / Onyx letter on this incident. It looks like it was a

10-20 gallon diesel spill that may not have had any action taken on it other than Natural Attenuation. Do you want me to assess the site further or is this enough information to close out your file?

Thanks,

Geoff
----- Forwarded by Geoffrey Nokes/NOKES01/WI/CNR/CA on 10/31/03 01:37 PM

CNRP_Scanner@cn.ca

10/31/03 01:36 PM

To: <geoffrey.nokes@CN.CA>
cc:
Subject: feb 5 2000 fdl spill

Please open the attached document.
This document was sent to you using an HP Digital Sender.

Sent by:	<CNRP_Scanner@CN.CA>
Number of pages:	3
Document type:	B/W Document
Attachment File Format:	Adobe PDF

To view this document you need to use the Adobe Acrobat Reader.
For free copy of the Acrobat reader please visit:

http://www.adobe.com

For more information on the HP Digital Sender please visit:

http://www.digitalsender.hp.com

March 2, 2000

COPY

Wisconsin Central Railroad
Attn: Larry Collins
2 Harrison Street
North Fond du Lac, WI 54937

Dear Mr. Collins:

On February 5, 2000 at approximately 1640 hours Superior Special Services Inc. (Superior) was contacted in regard to a diesel fuel spill in the North Fond du Lac rail-yard. A locomotive fuel tank had leaked diesel fuel into the snow on East track 55. It was believed that 50 to 80 gallons had leaked from the fuel tank. Superior dispatched a response manager and a technician to the site to assess the situation.

Superior arrived at the rail-yard at approximately 1750 hours and met with a representative of Wisconsin Central. The representative gave Superior a map of the rail yard and an approximate location of the fuel spill. Superior relocated to the east yard and searched for the diesel fuel spill. Superior located the diesel fuel spill on East track 55. The diesel fuel had already soaked into the railroad ballast and soil. The area that appeared impacted by the spill of diesel fuel was approximately 18 inches wide by 10 feet long. Superior notified Wisconsin Central of the extent of the spill. Superior was notified by Wisconsin Central that no further action was required from Superior. Superior left the site at approximately 1920 hours.

Superior appreciates the opportunity to assist in your environmental emergencies. Enclosed is an invoice for services rendered. If you have any questions, feel free to contact Superior at 1 (800) 932-6216.

Sincerely,
SUPERIOR SPECIAL SERVICES INC

Jon Zielieke
Emergency Services

Encl.: Invoice for services rendered

ONYX

October 27, 2003

Canadian National
Attn: Geoffrey Nokes
17641 South Ashland Ave.
Homewood, IL 60430

Dear Mr. Nokes.

Here is the information you requested regarding the diesel fuel spill at the North Fond du Lac Railyard. The timesheet gives my notes on the job. The outline states that Pat was the on-site contact at (920) 929-6031. There is one picture that only shows a red line on the ground next to track 55. Mr. Collins had stated that 50 to 80 gallons had been released and my notes stated that it looked more like 10 to 20 gallons. If you have any questions, feel free to contact me in the office at (800) 932-6216 or on my cell at (920) 960-9438.

Sincerely,
ONYX SPECIAL SERVICES, INC.

Jon Zielieke
Operations Manager

Encl. Photograph and file for diesel spill.

VEOLIA
Environment

EID#0000000736

SUPERIOR SPECIAL SERVICES, INC.
TIMESHEET PACKET - FIELD CREWJOBS

Packet ___ of ___

Date of Work 2/5/00
Prepared by Jan L
Job Number 490157A00012

Is Job Complete? yes
Approved by
Customer Name WI Central LTD

Use Military Time

Employee Name	Employee Role	Phase	Work Description	Per Diem?	Start Time	End Time	Hours Billable	Hours Nonbill	Signature
Jan Lichette	12	02	Site visit-diesel spill		1700	2030	3.5		
Brian Petty	16	02	↓ ↓		1730	2030	3.0		

WORK PERFORMED:

onsite ~ 17:53 - 19:21

wait for Pat to get map to area of spilled diesel, try to locate diesel spill, flag down works, put us in right direction, found spill on track 55 ~ 175 ~~yards~~ feet down from cross over on west side of track ~ 10' long by 1' wide, ~ 10 telegraphs spilled. Mark area, call Larry Collins

Employee Role Codes

Clerical	4	Health & Safety	20	Diver	56
Foreman	12	Project mgr, En	36	Dive supervisor	58
Superintendent	14	Principal	40	Disposal coordinator	60
Field tech/operator	16	Chemist	44	Reactive/explosive tech	62
Health & safety specialist	18	Marine superint	52	Reactive/explosive supr, specialist,	64
		Dive tender	54	Consultant, specialist, firefighter, other	66

NONBILLABLE JOBS: ADMIN SALES VACATION CUSTOMER SERVI EQUIP MAINT TRAINING

Customer Approval Print name _____ Signature _____