Rec 2/19/15
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(GG)

Richard, Philip E - DNR

From: Ree, Timothy <tree@craworld.com>
Sent: Thursday, February 19, 2015 11:21 AM
To: Richard, Philip E - DNR
Cc: Endsley, Erin A - DNR; Martin, Linda
Subject: Penta Wood - January 2015 eDMR Long Report ~COR-086165~
Attachments: 359230.pdf

Phil,

Please find a copy of the Penta Wood January 2015 eDMR (Discharge Monitoring Report) long report submitted electronically in the WDNR Web Access Management System (WAMS) today (2/19/2015).

Regards,

Tim Ree
Conestoga-Rovers & Associates (CRA)
1801 Old Highway 8 NW, Suite 114
St Paul, MN 55112

Phone: 651.639.0913
Direct: 651.639-0439 (ext. 338)
Cell: 651.592.7697
Fax: 651.639.0923
Email: tree@CRAworld.com
www.CRAworld.com

Wastewater Discharge Monitoring Long Report **For DNR Use Only**

Facility Name: PENTA WOOD SF SITE
Contact Address: 1801 Old Highway 8 NW, Ste 114
Saint Paul, MN 55112-2307
Facility Contact: Timothy Ree, Engineer
Phone Number: (651) 639-0913
Reporting Period: 01/01/2015 - 01/31/2015
Form Due Date: 02/21/2015
Permit Number: 0061531

Date Received:	
DOC:	339246
FIN:	16088
FID:	807027980
Region:	Northern Region
Permit Drafter:	Drafter not set
Reviewer:	Kathy M. Bartilson
Office:	Spooner

	Sample Point	001	001	001	001
	Description	Treated Groundwater Discharge	Treated Groundwater Discharge	Treated Groundwater Discharge	Treated Groundwater Discharge
	Parameter	211	368	307	1287
	Description	Flow Rate	Pentachloro- phenol	Naphthalene	Diesel Range Organics (DRO)
	Units	gpd	ug/L	ug/L	mg/L
	Sample Type	CONTINUOUS	GRAB	GRAB	GRAB
	Frequency	DAILY	WEEKLY	MONTHLY	MONTHLY
Sample Results	Day 1	0			
	2	0			
	3	0			
	4	0			
	5	0			
	6	0			
	7	0			
	8	0			
	9	0			
	10	0			
	11	0			
	12	0			
	13	0			
	14	0			
	15	3416			
	16	0			
	17	0			
	18	0			
	19	2990			
	20	33932			
	21	66529			
	22	74357	0.29		
	23	47718			
	24	0			
	25	0			
	26	35651			
	27	72776	0.23	<0.19	<0.11
	28	63389			
	29	60771			
	30	63106			
	31	72892			

	Sample Point	001	001	001	001
	Description	Treated Groundwater Discharge	Treated Groundwater Discharge	Treated Groundwater Discharge	Treated Groundwater Discharge
	Parameter	211	368	307	1287
	Description	Flow Rate	Pentachloro- phenol	Naphthalene	Diesel Range Organics (DRO)
	Units	gpd	ug/L	ug/L	mg/L
Summary Values	**Monthly Avg**	19275.064516129	0.26	0	0
	Daily Max	74357	0.29	<0.19	<0.11
	Daily Min	0	0.23	<0.19	<0.11
Limit(s) in Effect	**Monthly Avg**		0.10 | 1	8 | 0	
QA/QC Information	**LOD**		0.015	0.061	
	LOQ		0.095	0.19	
	QC Exceedance	N	N	N	N
	Lab Certification		998027800	999518190	

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

General Remarks

The January 2015 monthly average pentachlorophenol concentration exceeds the limit of 0.1 ug/L as reported above. WDNR and USEPA were promply notified of the weekly compliance sample pentachlorophenol concentrations. Ongoing corrective actions are being evaluated with WDNR and USEPA.

Pentachlorophenol was detected at a concentration of 75 ug/L in one sample collected between the lead and lag carbon units on December 16, 2014. This concentration represented a pentachlorophenol breakthrough of the lead carbon unit and indicated that the carbon required replacement. Therefore, the system was shutdown on December 23,2014 pending the carbon change-out. The carbon change-out was completed on January 15, 2015, and the system was restarted on January 19, 2015.

Subsequent corrective actions have been implemented by collecting individual extraction well water samples to identify which wells may contain emulsified LNAPL and may be preventing treatment to the permit limit by utilizing activated carbon only. The pumping strategy was adjusted accordingly on February 13, 2015 to prevent pumping of emulsified LNAPL from the extraction wells.

The pentachlorophenol analyses for the weekly effluent compliance samples during January 2015 were performed by TestAmerica Pittsburgh, which received Wisconsin Laboratory Certification No. 998027800 (effective January 20, 2015).

The daily flow rates were estimated as reported above based on the effluent flowmeter flowrates.

Laboratory Quality Control Comments

Exceedence Comments

The January 2015 monthly average pentachlorophenol concentration exceeds the limit of 0.1 ug/L as reported above. WDNR and USEPA were promply notified of the weekly compliance sample pentachlorophenol concentrations. Ongoing corrective actions are being evaluated with WDNR and USEPA.

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Submitted by Timothy Ree(timdree0042) on 2/19/2015 11:13:34 AM