Rec 1/21/14
PUT ON BRRTS
1/22/14
(99)

Richard, Philip E - DNR

From: Ree, Timothy <tree@craworld.com>
Sent: Wednesday, January 21, 2015 3:44 PM
To: Richard, Philip E - DNR
Cc: Endsley, Erin A - DNR; Martin, Linda
Subject: Penta Wood - December 2014 eDMR ~COR-086165~
Attachments: 358133.pdf

Phil,

Please find a copy of the Penta Wood December 2014 eDMR (Discharge Monitoring Report) submitted electronically in the WDNR Web Access Management System (WAMS) today (1/21/2015).

Regards,

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

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Wastewater Discharge Monitoring Long Report

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: 12/01/2014 - 12/31/2014
Form Due Date: 01/21/2015
Permit Number: 0061531

For DNR Use Only

Date Received:	
DOC:	336603
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	73420			
	2	69256	0.35	<0.20	<0.096
	3	74644			
	4	73825			
	5	74029			
	6	75063			
	7	73279			
	8	70365			
	9	74009			
	10	75768	0.26		
	11	75147			
	12	65768			
	13	76030			
	14	75827			
	15	75802			
	16	72206	0.21		
	17	73465			
	18	75214			
	19	77106			
	20	74882			
	21	72433			
	22	67499			
	23	42089	0.13		
	24	0			
	25	0			
	26	0			
	27	0			
	28	0			
	29	0			
	30	0			
	31	0			

	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	53455.677419355	0.2375	0	0
	Daily Max	77106	0.35	<0.2	<0.096
	Daily Min	0	0.13	<0.2	<0.096
Limit(s) in Effect	Monthly Avg		0.10 | 1	8 | 0	
QA/QC Information	LOD		0.058*Footnote	0.061	0.077
	LOQ		0.11*Footnote	0.2	0.096
	QC Exceedance	N	N	N	N
	Lab Certification		113289110	999518190	

*Footnote: QA/QC Information is not identical for each day, so the value shown is the maximum of all values for LOD/LOQ data or the first Lab found for Lab Cert data.

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

General Remarks

The December 2014 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. A written report was submitted to WDNR and USEPA on December 8, 2014 discussing the non-compliance, potential cause of the non-compliance, and a proposed corrective action. A conference call was held on December 12, 2014 between CRA and WDNR to discuss the non-compliance and other issues. WDNR agreed with the corrective action.

Selected effluent samples collected on December 2 and 10, 2014 were filtered by the laboratory to evaluate whether small solid particles were contributing to the effluent pentachlorophenol concentrations and whether installation of a filter downstream of the carbon units may remove solid pentachlorophenol particles prior to discharge. Pentachlorophenol was detected in the filtered effluent samples at concentrations of 0.082 ug/L and 0.074 ug/L (estimated concentrations below the reporting limit). These concentrations indicate that some small solid particles were contributing to the effluent pentachlorophenol concentrations. However, dissolved pentachlorophenol still was present in the effluent.

Pentachlorophenol was subsequently 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 daily flow rates were estimated as reported above based on the effluent flowmeter flowrates.

Laboratory Quality Control Comments

Exceedence Comments

The December 2014 monthly average pentachlorophenol concentration exceeds the limit of 0.1 ug/L. WDNR and USEPA were promply notified of the weekly compliance sample pentachlorophenol concentrations. A written report was submitted to WDNR and USEPA on December 8, 2014 discussing the non-compliance, potential cause of the non-compliance, and a proposed corrective action. A conference call was held on December 12, 2014 between CRA and WDNR to discuss the non-compliance and other issues. WDNR agreed with the corrective action.

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Submitted by Timothy Ree(timdree0042) on 1/21/2015 3:38:56 PM