

Rec 2/12/16
Penta Wood DMRs
2/12/16

(99)

Richard, Philip E - DNR

From: Ree, Timothy <Tim.Ree@ghd.com>
Sent: Friday, February 12, 2016 9:15 AM
To: Richard, Philip E - DNR
Cc: Stephanie Linebaugh (Linebaugh.Stephanie@epa.gov)
Subject: Penta Wood - January 2016 DMR Long Report ~COR-086165~
Attachments: 380179.pdf

Phil,

Please find attached a copy of the Penta Wood January 2016 Discharge Monitoring Report Long Report submitted electronically in the WDNR Web Access Management System (WAMS) today (2/12/2016).

Regards,

Tim Ree

GHD

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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: 01/01/2016 - 01/31/2016
 Form Due Date: 02/21/2016
 Permit Number: 0061531

Date Received:	
DOC:	357391
FIN:	16088
FID:	807027980
Region:	Northern Region
Permit Drafter:	Drafter not set
Reviewer:	Kathy M. Bartilson
Office:	Spooner

Sample Point	001	001	001	001	
	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	4392			
	6	5910	0.53	<0.060	0.085
	7	1667			
	8	489			
	9	0			
	10	0			
	11	0			
	12	0			
	13	0			
	14	0			
	15	0			
	16	0			
	17	0			
	18	0			
	19	0			
	20	0			
	21	0			
	22	0			
	23	0			
	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	401.870967742		0.53		0		0.085	
	Daily Max	5910		0.53		<0.06		0.085	
	Daily Min	0		0.53		<0.06		0.085	
Limit(s) in Effect	Monthly Avg			0.10	1	8	0		
QA/QC Information	LOD			0.015		0.06		0.048	
	LOQ			0.094		0.19		0.095	
	QC Exceedance	N		N		N		N	
	Lab Certification			998027800		999518190			

General Remarks

The January 2016 monthly average pentachlorophenol concentration exceeds the limit of 0.1 ug/L as reported above. WDNR and USEPA were promptly notified of the weekly compliance sample pentachlorophenol concentrations. A written report was submitted to WDNR and USEPA on January 27, 2016 discussing the non-compliance, potential cause of the non-compliance, and a corrective action.

The groundwater extraction system was shut down on November 23, 2015, as approved by the United States Environmental Protection Agency (USEPA), to begin the remediation system shutdown pilot study. A temporary system was operated briefly during January 2016 as part of system decommissioning. The system is expected to remain temporarily shutdown through 2019 during the pilot study. If the pilot study results are favorable, WDNR will request that the USEPA authorize that the system remain shutdown permanently. If the system is required to be restarted, the corrective action will include installing new granular activated carbon into all of the treatment vessels at the facility. Subsequent compliance sample analytical data would be evaluated to assess whether other potential system adjustments are appropriate to comply with the substantive permit requirements.

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

Laboratory Quality Control Comments

The Diesel Range Organics (DRO) concentrations less than 0.095 mg/L are less than the LOQ but greater than the LOD; therefore, the concentrations were flagged with a "J" qualifier by the laboratory indicating that each concentration is an approximate value.

Exceedence Comments

The January 2016 monthly average pentachlorophenol concentration exceeds the limit of 0.1 ug/L as reported above. WDNR and USEPA were promptly notified of the weekly compliance sample pentachlorophenol concentrations. A written report was submitted to WDNR and USEPA on January 27, 2016 discussing the non-compliance, potential cause of the non-compliance, and a corrective action.

The groundwater extraction system was shut down on November 23, 2015, as approved by the United States Environmental Protection Agency (USEPA), to begin the remediation system shutdown pilot study. A temporary system was operated briefly during January 2016 as part of system decommissioning. The system is expected to remain temporarily shutdown through 2019 during the pilot study. If the pilot study results are favorable, WDNR will request that the USEPA authorize that the system remain shutdown permanently. If the system is required to be restarted, the corrective action will include installing new granular activated carbon into all of the treatment vessels at the facility. Subsequent compliance sample analytical data would be evaluated to assess whether other potential system adjustments are appropriate to comply with the substantive permit requirements.

Submitted by Timothy Ree(timdree0042) on 2/12/2016 9:00:08 AM