

## Richard, Philip E - DNR

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**From:** Ree, Timothy <Tim.Ree@ghd.com>  
**Sent:** Tuesday, January 19, 2016 2:16 PM  
**To:** Richard, Philip E - DNR  
**Cc:** Martin, Linda (martin.lindab@epa.gov)  
**Subject:** Penta Wood - DMRs ~COR-086165~  
**Attachments:** 377473.pdf; 378071.pdf; 361496.pdf

Phil,

Please find copies of the Penta Wood Discharge Monitoring Reports submitted electronically in the WDNR Web Access Management System (WAMS) today (1/19/2016):

- December 2015 DMR Long Report
- October through December 2015 DMR Short Report
- January through December 2015 DMR Short Report

— Put on BRATS (99)  
— Put on BRATS (99)  
— Put on BRATS (99)

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: 12/01/2015 - 12/31/2015  
 Form Due Date: 01/21/2016  
 Permit Number: 0061531

Date Received:	
DOC:	353036
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	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		

	<b>Sample Point</b>	001	001	001	001	
	<b>Description</b>	Treated Groundwater Discharge	Treated Groundwater Discharge	Treated Groundwater Discharge	Treated Groundwater Discharge	
	<b>Parameter</b>	211	368	307	1287	
	<b>Description</b>	Flow Rate	Pentachloro- phenol	Naphthalene	Diesel Range Organics (DRO)	
	<b>Units</b>	gpd	ug/L	ug/L	mg/L	
<b>Summary Values</b>	<b>Monthly Avg</b>	0				
	<b>Daily Max</b>	0				
	<b>Daily Min</b>	0				
<b>Limit(s) in Effect</b>	<b>Monthly Avg</b>		0.10	0	8	0
<b>QA/QC Information</b>	<b>LOD</b>					
	<b>LOQ</b>					
	<b>QC Exceedance</b>	N	N	N	N	
	<b>Lab Certification</b>					

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

General Remarks

As approved by USEPA, the groundwater extraction and treatment system was shutdown on November 23, 2015. Treated water was not discharged during December 2015; therefore, compliance samples were not collected. The system will remain off on a temporary basis for up to four years during a pilot study period (through 2019). If results are not favorable during the pilot study, USEPA may require that the system be restarted before the end of 2019. If results are favorable, the system would remain off on a permanent basis.

Laboratory Quality Control Comments

Submitted by Timothy Ree(timdree0042) on 1/19/2016 2:01:02 PM

**Wastewater Discharge Monitoring Short 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 : 10/01/2015 - 12/31/2015  
 Form Due Date : 01/21/2016  
 Permit Number : 0061531

**For DNR Use Only**

Date Received:	
DOC:	353454
FIN:	16088
FID:	807027980
Region:	Northern Region
Permit Drafter:	Drafter not set
Reviewer:	Kathy M. Bartilson
Office:	Spooner

Sample Point	Parameter #	Parameter	Date Sample	Sample Type	Sample Results	Units	Limit Type	Limit	LOD	LOQ	QC Exceed?	Lab Certification
701	368	Pentachloro- phenol	10/07/2015	GRAB	600	ug/L		*****	7.5	49	N	998027800
701	368	Pentachloro- phenol	11/02/2015	GRAB	1100	ug/L		*****	15	99	N	998027800
701	368	Pentachloro- phenol		GRAB		ug/L		*****			N	
001	105	Chloride	10/19/2015	GRAB	16.1	mg/L		*****	0.41	1.0	N	999518190
001	35	Arsenic, Total Recoverable	10/19/2015	GRAB	0.51	ug/L	Monthly Avg	5(0)	0.49	5.0	N	999518190
001	147	Copper, Total Recoverable	10/19/2015	GRAB	<0.00075	mg/L		*****	0.00075	0.0020	N	999518190
001	553	Zinc, Total Recoverable	10/19/2015	GRAB	0.0085	mg/L		*****	0.0073	0.0200	N	999518190
001	251	Iron, Total Recoverable	10/19/2015	GRAB	<0.0160	mg/L		*****	0.0160	0.100	N	999518190
001	277	Manganese, Total Recoverable	10/19/2015	GRAB	0.856	mg/L		*****	0.0011	0.0050	N	999518190

**Wastewater Discharge Monitoring Short Report**

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

**General Remarks**

As approved by USEPA, the groundwater extraction and treatment system was shutdown on November 23, 2015. Treated water was not discharged during December 2015; therefore, compliance samples were not collected. The system will remain off on a temporary basis for up to four years during a pilot study period (through 2019). If results are not favorable during the pilot study, USEPA may require that the system be restarted before the end of 2019. If results are favorable, the system would remain off on a permanent basis.

**Laboratory Quality Control Comments**

The concentrations reported for arsenic and zinc were noted with "J" qualifiers by the laboratory and were less than the respective LOQs but greater than the respective LODs, indicating that the concentrations are approximate values.

Submitted by Timothy Ree(timdree0042) on 1/19/2016 2:04:39 PM

**Wastewater Discharge Monitoring Short 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 : 01/01/2015 - 12/31/2015  
 Form Due Date : 01/21/2016  
 Permit Number : 0061531

**For DNR Use Only**

Date Received:	
DOC:	339796
FIN:	16088
FID:	807027980
Region:	Northern Region
Permit Drafter:	Drafter not set
Reviewer:	Kathy M. Bartilson
Office:	Spooner

Sample Point	Parameter #	Parameter	Date Sample	Sample Type	Sample Results	Units	Limit Type	Limit	LOD	LOQ	QC Exceed?	Lab Certification
001	601	Dioxin, 2,3,7,8-TCDD	04/06/2015	24 HR FLOW PROP	<0.000095	ug/L	Monthly Avg	0.000003	0.0000015	0.0000095	N	998044300
001	633	Phenol	04/06/2015	GRAB	<0.95	ug/L		*****	0.57	0.95	N	999518190
001	40	Benzene	04/06/2015	GRAB	<0.50	ug/L		*****	0.35	0.50	N	999518190
001	200	Ethylbenzene	04/06/2015	GRAB	<1.0	ug/L		*****	0.25	1.0	N	999518190
001	500	Toluene	04/06/2015	GRAB	<1.0	ug/L		*****	0.23	1.0	N	999518190
001	697	Xylene	04/06/2015	GRAB	<2.0	ug/L		*****	0.52	2.0	N	999518190

**Wastewater Discharge Monitoring Short Report**

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

**General Remarks**

A GRAB sample was collected and analyzed for Dioxin (2,3,7,8-TCDD) in accordance with the WPDES permit requirements rather than a 24 HR FLOW PROP sample as indicated on this form. As approved by USEPA, the groundwater extraction and treatment system was shutdown on November 23, 2015. The system will remain off on a temporary basis for up to four years during a pilot study period (through 2019). If results are not favorable during the pilot study, USEPA may require that the system be restarted before the end of 2019. If results are favorable, the system would remain off on a permanent basis.

**Laboratory Quality Control Comments**

Submitted by Timothy Ree(timdree0042) on 1/19/2016 2:06:36 PM