

**Richard, Philip E - DNR**

---

Rec 1/5/15  
put on BERTS  
1/6/15  
(99)

**From:** Ree, Timothy <tree@craworld.com>  
**Sent:** Monday, January 05, 2015 4:32 PM  
**To:** Richard, Philip E - DNR  
**Cc:** Endsley, Erin A - DNR; Frehner, Ron; Storlie, Pete  
**Subject:** Penta Wood - WPDES Compliance Sampling 12/23/2014 ~COR-086165~  
**Attachments:** Lab Report-A145207-086165-01-07-2015-01-05.pdf

Phil,

Please find attached a copy of the laboratory report for the WPDES compliance effluent sample collected at the Penta Wood site on 12/23/2014. PCP was detected at a concentration of 0.13 ug/L, which exceeds the permit limit of 0.1 ug/L but is generally consistent with recent concentrations.

As you are aware, the system was shutdown on 12/23/2014 until a carbon change-out is completed.

Please update Kathy Bartilson (WDNR) and Linda Martin (USEPA).

Should you have questions, please do not hesitate to contact me.

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](mailto:tree@CRAworld.com)  
[www.CRAworld.com](http://www.CRAworld.com)

Think before you print   
Perform every task the safe way, the right way, every time!

This communication and any accompanying document(s) are confidential and are intended for the sole use of the addressee. If you are not the intended recipient, please notify me at the telephone number shown above or by return e-mail and delete this e-mail and any copies. You are advised that any disclosure, copying, distribution, or the taking of any action in reliance upon the communication without consent is strictly prohibited. Thank you.

---

CRA and GHD have merged! To learn more, visit [www.CRAworld.com/ghd](http://www.CRAworld.com/ghd)



2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

January 05, 2015

Grant Anderson  
Conestoga-Rovers & Associates  
1801 Old Highway 8 NW, Ste 114  
St. Paul, MN 55112  
RE: Penta Wood - Siren, WI

Enclosed are the analytical results for the samples received by the laboratory on 12/24/2014.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica Esser  
Project Manager

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2016
ILEPA	Illinois Secondary NELAP Accreditation	003174	04/30/2015
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2015
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2015
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2015
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2015



2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

Conestoga-Rovers & Associates  
1801 Old Highway 8 NW, Ste 114  
St. Paul MN, 55112

Project: Penta Wood - Siren, WI  
Project Number: 086165-01-01  
Project Manager: Grant Anderson

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-141223-PS-WE	A145207-01	Water	12/23/2014	12/24/2014

### CASE NARRATIVE

#### **Sample Receipt Information:**

1 sample was received on 12/24/2014. Sample was received at 0.6 degrees Celsius. Sample was received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.



2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

Conestoga-Rovers & Associates  
1801 Old Highway 8 NW, Ste 114  
St. Paul MN, 55112

Project: Penta Wood - Siren, WI  
Project Number: 086165-01-01  
Project Manager: Grant Anderson

**W-141223-PS-WE**

Date Sampled

**A145207-01 (Water)**

12/23/2014 09:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

ECCS

**Acid Herbicides by Gas Chromatography/Mass Spectrometry**

**Preparation Batch: A412087**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
<b>Pentachlorophenol</b>	<b>0.13</b>	0.050	0.093	ug/L	1	12/24/2014	12/25/2014 16:31	EPA 8270D	
<i>Surrogate: 2,4-D-d5</i>			98.4 %	67-125		12/24/2014	12/25/2014 16:31	EPA 8270D	



2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

Conestoga-Rovers & Associates  
 1801 Old Highway 8 NW, Ste 114  
 St. Paul MN, 55112

Project: Penta Wood - Siren, WI  
 Project Number: 086165-01-01  
 Project Manager: Grant Anderson

**Acid Herbicides by Gas Chromatography/Mass Spectrometry - Quality Control**

**ECCS**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A412087 - EPA 3510C**

**Blank (A412087-BLK1)**

Prepared: 12/24/2014 Analyzed: 12/25/2014 11:15

Pentachlorophenol	ND	0.10	ug/L							
Surrogate: 2,4-D-d5	2.29		ug/L	2.000		115	67-125			

**LCS (A412087-BS1)**

Prepared: 12/24/2014 Analyzed: 12/25/2014 11:50

Pentachlorophenol	1.92	0.10	ug/L	2.000		95.9	58.7-108			
Surrogate: 2,4-D-d5	2.21		ug/L	2.000		110	67-125			

**Matrix Spike (A412087-MS1)**

Source: A145205-01

Prepared: 12/24/2014 Analyzed: 12/25/2014 14:11

Pentachlorophenol	0.143	0.11	ug/L	2.198	ND	6.52	24.5-126			M
Surrogate: 2,4-D-d5	2.78		ug/L	2.198		126	67-125			S

**Matrix Spike Dup (A412087-MSD1)**

Source: A145205-01

Prepared: 12/24/2014 Analyzed: 12/25/2014 14:46

Pentachlorophenol	0.133	0.11	ug/L	2.222	ND	5.98	24.5-126	8.72	20	M
Surrogate: 2,4-D-d5	2.50		ug/L	2.222		112	67-125			



2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

Conestoga-Rovers & Associates  
1801 Old Highway 8 NW, Ste 114  
St. Paul MN, 55112

Project: Penta Wood - Siren, WI  
Project Number: 086165-01-01  
Project Manager: Grant Anderson

#### Notes and Definitions

- S Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect.
- M The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory control limits.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference



**Environmental Chemistry Consulting Services, Inc.**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

Project Number: <b>086165-01-01</b>				Lab Work Order #: <b>A145207</b>				Mail Report To: <b>ganderson@eraworld.com</b>					
Project Name: <b>Penta Wood</b>				Analyses Requested				Company: <b>CRA, Inc.</b>					
Project Location: <b>Siren, WI.</b>				Preservation Codes				Address: <b>1801 old Hwy 8, #114 St. Paul MN 55045</b>					
Turn Around (circle one): Normal <b>Rush</b> <b>5-DAY</b>				Matrix Total # of Containers <b>PCP-8151          No preservation</b>				E-mail Address:					
If Rush, Report Due Date: <b>12-30-14</b>								Invoice To: <b>Grant Anderson</b>					
Sampled By (Print): <b>Peter Starke</b>								Company: <b>Same (as above)</b>					
								Address:					
Sample Description		Collection		Matrix	Total # of Containers						Comments	Lab ID	Lab Receipt Time
		Date	Time										
W-141223-PS-WE		12-23-14	0900	W	2	X					Weekly Effluent.	01	
Preservation Codes A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Relinquished By: <b>[Signature]</b>		Date: <b>12-23-14</b>	Time: <b>1400</b>	Received By: <b>[Signature]</b>		Date: <b>12/24/14</b>	Time: <b>1123</b>		
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: Present/Absent Intact/Not Intact Seal #'s		Shipped Via:		Receipt Temp:		Temp Blank <b>Q N 0.6 c</b>			