

Put on BKRS
12/22/14
(99)

Richard, Philip E - DNR

From: Ree, Timothy <tree@craworld.com>
Sent: Monday, December 22, 2014 4:42 PM
To: Richard, Philip E - DNR
Cc: Endsley, Erin A - DNR; Frehner, Ron; Storlie, Pete
Subject: Penta Wood - WPDES Compliance Sampling 12/16/2014 ~COR-086165~
Attachments: Lab Report-A145107-086165-01-07-2014-12-20.pdf

Phil,

Please find attached a copy of the laboratory report for the WPDES compliance effluent sample collected at the Penta Wood site on 12/16/2014. PCP was detected at a concentration of 0.21 ug/L (unfiltered), which exceeds the permit limit of 0.1 ug/L but is generally consistent with recent concentrations.

CRA also collected an influent sample and a sample between the lead and lag carbon units on 12/16/2014 to assess the timing of a carbon change-out. PCP was detected at a concentration of 4,300 ug/L in the influent sample, which is consistent with the concentration detected on 12/2/2014 (4,600 ug/L) but still greater than the concentrations detected in September through November 2014 (ranged between 2,100 ug/L and 2,400 ug/L). PCP was detected at a concentration of 75 ug/L in the sample between the carbon units, which is greater than the previous concentrations (less than 1 ug/L).

Based on these results, CRA recommends that a carbon change-out be conducted on the "pre-filter" and lead carbon units, which is normal protocol. We have contacted the carbon vendor to schedule the change-out and will notify you when the work is scheduled.

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)

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Perform every task the safe way, the right way, every time!

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2525 Advance Road
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December 20, 2014

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 12/17/2014.

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 NELAP 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



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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-141216-PS-WE	A145107-01	Water	12/16/2014	12/17/2014
W-141216-PS-Between	A145107-02	Water	12/16/2014	12/17/2014
W-141216-PS-INF	A145107-03	Water	12/16/2014	12/17/2014

CASE NARRATIVE

Sample Receipt Information:

3 samples were received on 12/17/2014. Samples were received on ice. Samples were received in acceptable condition.

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

Laboratory Control Samples (LCS):

The E1 footnote on samples A145107-01 through A145107-03 indicates that there were quality control sample exceedances for pentachlorophenol. A412049-BSD1 recovery was 112% and the acceptable limit is 108%.



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

W-141216-PS-WE

Date Sampled

A145107-01 (Water)

12/16/2014 10:30

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

Acid Herbicides by Gas Chromatography/Mass Spectrometry

Preparation Batch: A412049

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Pentachlorophenol	0.21	0.054	0.10	ug/L	1	12/17/2014	12/18/2014 07:37	EPA 8270D	E1
<i>Surrogate: 2,4-D-d5</i>			106 %	67-125		12/17/2014	12/18/2014 07:37	EPA 8270D	



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

W-141216-PS-Between

Date Sampled

A145107-02 (Water)

12/16/2014 10:35

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

Acid Herbicides by Gas Chromatography/Mass Spectrometry

Preparation Batch: A412049

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Pentachlorophenol	75	1.4	2.6	ug/L	25	12/17/2014	12/19/2014 11:01	EPA 8270D	E1, D
<i>Surrogate: 2,4-D-d5</i>			129 %	67-125		12/17/2014	12/18/2014 08:12	EPA 8270D	S



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Project Number: 086165-01-01
Project Manager: Grant Anderson

W-141216-PS-INF

Date Sampled

A145107-03 (Water)

12/16/2014 10:40

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

Acid Herbicides by Gas Chromatography/Mass Spectrometry

Preparation Batch: A412049

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Pentachlorophenol	4300	56	100	ug/L	1000	12/17/2014	12/18/2014 08:47	EPA 8270D	EI, D
<i>Surrogate: 2,4-D-d5</i>			%	67-125		12/17/2014	12/18/2014 08:47	EPA 8270D	DO



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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
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Batch A412049 - EPA 3510C

Blank (A412049-BLK1)

Prepared: 12/17/2014 Analyzed: 12/18/2014 00:01

Pentachlorophenol	ND	0.10	ug/L							
Surrogate: 2,4-D-d5	2.22		ug/L	2.000		111	67-125			

LCS (A412049-BS1)

Prepared: 12/17/2014 Analyzed: 12/18/2014 00:36

Pentachlorophenol	1.94	0.10	ug/L	2.000		97.2	58.7-108			
Surrogate: 2,4-D-d5	2.20		ug/L	2.000		110	67-125			

LCS Dup (A412049-BSD1)

Prepared: 12/17/2014 Analyzed: 12/18/2014 01:11

Pentachlorophenol	2.25	0.10	ug/L	2.000		112	58.7-108	14.5	20	
Surrogate: 2,4-D-d5	2.57		ug/L	2.000		129	67-125			S



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Notes and Definitions

- S Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect.
- EI Estimated value because of quality control sample exceedances.
- DO Diluted out.
- D Data reported from a dilution
- 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

