

Richard, Philip E - DNR

Rec 12/15/14
put on BRMS
12/18/14
99

From: Ree, Timothy <tree@croworld.com>
Sent: Monday, December 15, 2014 10:20 AM
To: Richard, Philip E - DNR
Cc: Endsley, Erin A - DNR; Frehner, Ron; Storlie, Pete
Subject: FW: Penta Wood - WPDES Compliance Sampling 12/10/2014 ~COR-086165~
Attachments: Lab Report-A145008-086165-01-07-2014-12-12.pdf

Phil,

Please find attached a copy of the laboratory report for the WPDES compliance effluent sample collected at the Penta Wood site on 12/10/2014. PCP was detected at a concentration of 0.26 ug/L (unfiltered), which exceeds the permit limit of 0.1 ug/L. As part of the corrective action, the effluent sample was also filtered and analyzed to evaluate whether installation of a filter downstream of the carbon units may remove solid PCP particles prior to discharge. PCP was detected in the filtered sample at a concentration of 0.074 ug/L (estimated below the reporting limit), which is slightly less than the permit limit of 0.1 ug/L.

These concentrations are generally consistent with the filtered and unfiltered results for the samples collected on 12/2/2014 (see email below). Comparison of the filtered and unfiltered results indicates that there are small solid particles with PCP in the effluent and filtration will remove a portion of these small particles. However, since the filtered concentrations are just below the permit limit, CRA does not recommend installation of a filtration system at the site at this time.

As previously discussed, CRA will collect an influent sample and a sample between the lead and lag carbon units to assess the timing of a carbon change-out this week.

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

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

Regards,
Tim

From: Ree, Timothy
Sent: Thursday, December 11, 2014 10:32 AM
To: 'Richard, Philip E - DNR'
Cc: Frehner, Ron; Storlie, Pete; 'Endsley, Erin A - DNR'
Subject: Penta Wood - WPDES Compliance Sampling 12/2/2014 ~COR-086165~

Phil,

Please find attached copies of the laboratory reports for the WPDES compliance influent and effluent samples collected at the Penta Wood site on 12/2/2014. PCP was detected at a concentration of 0.35 ug/L, which exceeds the permit limit of 0.1 ug/L. This is the first sample collected in December; therefore, this result does not represent a noncompliance since additional weekly effluent sampling is required to determine the monthly average. Naphthalene and DRO were not detected in the effluent sample.

PCP was detected in the influent sample collected on 12/2/2014 at a concentration of 4,600 ug/L, which is greater than the concentrations detected in September through November 2014 (ranged between 2,100 ug/L and 2,400 ug/L).

As part of the corrective action discussed in the CRA letter (dated 12/8/2014) to Kathy Bartilson (WDNR-Spooner), the effluent sample was also filtered and analyzed to evaluate whether installation of a filter downstream of the carbon units may remove solid PCP particles prior to discharge. PCP was detected in the filtered sample at a concentration of 0.082 ug/L (estimated below the reporting limit), which is slightly less than the permit limit of 0.1 ug/L. Comparison of the filtered and unfiltered results indicates that there are small solid particles with PCP in the effluent and filtration will remove a portion of these small particles. Since the filtered result is just below the permit limit, CRA recommends that the effluent sample collected this week also be analyzed as filtered and unfiltered to determine if these results can be duplicated.

CRA also recommends that a sample be collected next week between the lead and lag carbon units to assess the timing of a carbon change-out.

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)
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www.CRAworld.com

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

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2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

December 12, 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 12/11/2014.

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



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

Project: Penta Wood - Siren, WI
Project Number: 086165-01-07
Project Manager: Grant Anderson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-141210-SR-EFF	A145008-01	Water	12/10/2014	12/11/2014
W-141210-SR-EFF-F	A145008-02	Water	12/10/2014	12/11/2014

CASE NARRATIVE

Sample Receipt Information:

1 sample was received on 12/11/2014. Sample was received on ice. Sample was received in acceptable condition.

Per client instruction, one of the amber liters received for sample W-141210-SR-EFF was filtered, extracted and analyzed.

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



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

Project: Penta Wood - Siren, WI
Project Number: 086165-01-07
Project Manager: Grant Anderson

W-141210-SR-EFF

Date Sampled

A145008-01 (Water)

12/10/2014 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: A412031

Pentachlorophenol	0.26	0.058	0.11	ug/L	1	12/11/2014	12/12/2014 01:24	EPA 8270D	
Surrogate: 2,4-D-d5			97.3 %	67-125		12/11/2014	12/12/2014 01:24	EPA 8270D	



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St. Paul MN, 55112

Project: Penta Wood - Siren, WI
Project Number: 086165-01-07
Project Manager: Grant Anderson

W-141210-SR-EFF-F

Date Sampled

A145008-02 (Water)

12/10/2014 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: A412031

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Pentachlorophenol	0.074	0.059	0.11	ug/L	1	12/11/2014	12/12/2014 01:58	EPA 8270D	J
<i>Surrogate: 2,4-D-d5</i>			92.7 %	67-125		12/11/2014	12/12/2014 01:58	EPA 8270D	



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St. Paul MN, 55112

Project: Penta Wood - Siren, WI
Project Number: 086165-01-07
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 A412031 - EPA 3510C

Blank (A412031-BLK1)

Prepared: 12/11/2014 Analyzed: 12/11/2014 21:57

Pentachlorophenol	ND	0.10	ug/L							
Surrogate: 2,4-D-d5	2.07		ug/L	2.000		103	67-125			

LCS (A412031-BS1)

Prepared: 12/11/2014 Analyzed: 12/11/2014 22:32

Pentachlorophenol	1.68	0.10	ug/L	2.000		83.8	58.7-108			
Surrogate: 2,4-D-d5	2.01		ug/L	2.000		100	67-125			

LCS Dup (A412031-BSD1)

Prepared: 12/11/2014 Analyzed: 12/11/2014 23:06

Pentachlorophenol	1.67	0.10	ug/L	2.000		83.6	58.7-108	0.179	20	
Surrogate: 2,4-D-d5	1.81		ug/L	2.000		90.4	67-125			



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Project: Penta Wood - Siren, WI
Project Number: 086165-01-07
Project Manager: Grant Anderson

Notes and Definitions

- J Analyte was detected but is below the reporting limit. The concentration is estimated.
- 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



CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

1801 Old Highway 8 Northwest, Suite 114

St. Paul, Minnesota 55112 United States

Phone: (651) 639-0913

Fax: (651) 639-0923

COC NO.: **SP-01465**

PAGE ___ OF ___

(See Reverse Side for Instructions)

A145008

Project No/ Phase/Task Code: 086165 - 01 - 07			Laboratory Name: ECCS				Lab Location: Madison, WI			SSOW ID:																				
Project Name: Penta Wood			Lab Contact:				Lab Quote No:			Cooler No:																				
Project Location: Siren, WI			CONTAINER QUANTITY & PRESERVATION				ANALYSIS REQUESTED (See Back of COC for Definitions)			Carrier: Fed Ex																				
Chemistry Contact: Grant Anderson ganderson@CRAWorld.com			<table border="1"> <tr> <th>SAMPLE TYPE</th> <th>Unpreserved</th> <th>Hydrochloric Acid (HCl)</th> <th>Nitric Acid (HNO₃)</th> <th>Sulfuric Acid (H₂SO₄)</th> <th>Sodium Hydroxide (NaOH)</th> <th>Methanol/Water (Soil VOC)</th> <th>EnCores 3x5-g, 1x25-g</th> <th>Other:</th> <th>Total Containers/Sample</th> <th>MS/MSD Request</th> </tr> <tr> <td>Matrix Code (see back of COC)</td> <td>Grab (G) or Comp (C)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4</td> <td></td> </tr> </table>				SAMPLE TYPE	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO ₃)	Sulfuric Acid (H ₂ SO ₄)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	MS/MSD Request	Matrix Code (see back of COC)	Grab (G) or Comp (C)								4		Airbill No:	
SAMPLE TYPE	Unpreserved	Hydrochloric Acid (HCl)					Nitric Acid (HNO ₃)	Sulfuric Acid (H ₂ SO ₄)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	MS/MSD Request																
Matrix Code (see back of COC)	Grab (G) or Comp (C)								4																					
Sampler(s): S. Roste										Date Shipped:																				
Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)	DATE (mm/dd/yy)	TIME (hh:mm)	Matrix Code	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO ₃)	Sulfuric Acid (H ₂ SO ₄)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	MS/MSD Request	COMMENTS/ SPECIAL INSTRUCTIONS:														
1	W-141210-SR-EFF	12/10/14	10:35	WT	G	4								4		* PCP, dissolved analysis to be put on HOLD until given further instructions by Chemistry Contact, Grant Anderson. 5 Day TAT														
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/														
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/														
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/														
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14	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/														
15	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/														
TAT Required in business days (use separate COCs for different TATs): <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week <input checked="" type="checkbox"/> Other: 5 DAY				Total Number of Containers: 4				Notes/ Special Requirements:																						
All Samples in Cooler must be on COC				on ice																										
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME																							
1. Steven Roste	CRA	12/10/2014	14:00	1. Kari Ann Kellin	ECCS	12/11/14	1030																							
2.				2.																										
3.				3.																										

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY