

Put on GATS 7/6/15
(99)

Richard, Philip E - DNR

From: Ree, Timothy <Tim.Ree@ghd.com>
Sent: Monday, July 06, 2015 11:05 AM
To: Richard, Philip E - DNR
Cc: Frehner, Ron; Storlie, Pete; Sandberg, Brian
Subject: Penta Wood - WPDES Compliance Sampling 6/22/2015 ~COR-086165~
Attachments: J52311-1 UDS Level 2 Report Final Report.pdf

Phil,

Please find attached the results for the effluent sample collected at the Penta Wood site on 6/22/2015. PCP was detected in the effluent sample at a concentration of 0.098 ug/L, which meets the permit criteria of 0.1 ug/L. The average June 2015 effluent PCP concentration for all four sample results is 0.097 ug/L, which meets the permit criteria

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

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

Regards,
Tim

Tim Ree

GHD

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-52311-1

Client Project/Site: 86165-01-01, Penta Wood

For:

Conestoga-Rovers & Associates, Inc.
1801 Old Highway 8 NW
Suite 114
St. Paul, Minnesota 55112

Attn: Mr. Grant Anderson



Authorized for release by:
7/2/2015 7:33:40 AM

Denise Heckler, Project Manager II
(330)966-9477
denise.heckler@testamericainc.com

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results through

Total Access

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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-52311-1

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-52311-1

Job ID: 240-52311-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Conestoga-Rovers & Associates, Inc.

Project: 86165-01-01, Penta Wood

Report Number: 240-52311-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 06/23/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 5.4 C.

CHLORINATED HERBICIDES

Sample W-150622-PS-WE (240-52311-1) was analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 06/29/2015 and analyzed on 07/01/2015.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with analytical batch 180-146377.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-52311-1

| Method | Method Description | Protocol | Laboratory |
|--------|--------------------|----------|------------|
| 8151A | Herbicides (GC) | SW846 | TAL PIT |

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058



Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-52311-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 240-52311-1 | W-150622-PS-WE | Water | 06/22/15 11:30 | 06/23/15 09:30 |

- 1
- 2
- 3
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Detection Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-52311-1

Client Sample ID: W-150622-PS-WE

Lab Sample ID: 240-52311-1

| Analyte | Result | Qualifier | LOQ | LOD | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|-------|-------|------|---------|---|--------|-----------|
| Pentachlorophenol | 0.098 | | 0.094 | 0.015 | ug/L | 4 | | 8151A | Total/NA |



This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-52311-1

Client Sample ID: W-150622-PS-WE

Lab Sample ID: 240-52311-1

Date Collected: 06/22/15 11:30

Matrix: Water

Date Received: 06/23/15 09:30

Method: 8151A - Herbicides (GC)

| Analyte | Result | Qualifier | LOQ | LOD | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| Pentachlorophenol | 0.098 | | 0.094 | 0.015 | ug/L | | 06/29/15 09:01 | 07/01/15 13:08 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2,4-Dichlorophenylacetic acid | 56 | | 32 - 140 | | | | 06/29/15 09:01 | 07/01/15 13:08 | 4 |



Surrogate Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-52311-1

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | |
|---------------------|------------------------|--|-------------------|
| | | DCPA1 (32-140) | DCPA2 (32-140) |
| 240-52311-1 | W-150622-PS-WE | 56 | 55 |
| LCS 180-146377/2-A | Lab Control Sample | 63 | 68 |
| LCSD 180-146377/3-A | Lab Control Sample Dup | 51 | 50 |
| MB 180-146377/1-A | Method Blank | 57 | 60 |

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid



QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-52311-1

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 180-146377/1-A
Matrix: Water
Analysis Batch: 146644

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 146377

| Analyte | MB MB | | LOQ | LOD | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Pentachlorophenol | <0.016 | | 0.10 | 0.016 | ug/L | | 06/29/15 09:01 | 07/01/15 12:44 | 4 |
| Surrogate | MB MB | | Limits | | | D | Prepared | Analyzed | Dil Fac |
| %Recovery | Qualifier | | | | | | | | |
| 2,4-Dichlorophenylacetic acid | 60 | | 32 - 140 | | | | 06/29/15 09:01 | 07/01/15 12:44 | 4 |

Lab Sample ID: LCS 180-146377/2-A
Matrix: Water
Analysis Batch: 146644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 146377
 %Rec.

| Analyte | Spike Added | LCS LCS | | Unit | D | %Rec | Limits |
|-------------------------------|-------------|---------|-----------|------|---|-------|----------|
| | | Result | Qualifier | | | | |
| Pentachlorophenol | 5.00 | 3.90 | | ug/L | | 78 | 40 - 140 |
| Surrogate | LCS LCS | | Limits | | | %Rec. | |
| %Recovery | Qualifier | | | | | | |
| 2,4-Dichlorophenylacetic acid | 68 | | 32 - 140 | | | | |

Lab Sample ID: LCSD 180-146377/3-A
Matrix: Water
Analysis Batch: 146644

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 146377
 %Rec. RPD

| Analyte | Spike Added | LCSD LCSD | | Unit | D | %Rec | Limits | RPD | Limit |
|-------------------------------|-------------|-----------|-----------|------|---|-------|----------|-----|-------|
| | | Result | Qualifier | | | | | | |
| Pentachlorophenol | 5.00 | 3.56 | | ug/L | | 71 | 40 - 140 | 9 | 30 |
| Surrogate | LCSD LCSD | | Limits | | | %Rec. | | | |
| %Recovery | Qualifier | | | | | | | | |
| 2,4-Dichlorophenylacetic acid | 51 | | 32 - 140 | | | | | | |

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-52311-1

GC Semi VOA

Prep Batch: 146377

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 240-52311-1 | W-150622-PS-WE | Total/NA | Water | 8151A | |
| LCS 180-146377/2-A | Lab Control Sample | Total/NA | Water | 8151A | |
| LCSD 180-146377/3-A | Lab Control Sample Dup | Total/NA | Water | 8151A | |
| MB 180-146377/1-A | Method Blank | Total/NA | Water | 8151A | |

Analysis Batch: 146644

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 240-52311-1 | W-150622-PS-WE | Total/NA | Water | 8151A | 146377 |
| LCS 180-146377/2-A | Lab Control Sample | Total/NA | Water | 8151A | 146377 |
| LCSD 180-146377/3-A | Lab Control Sample Dup | Total/NA | Water | 8151A | 146377 |
| MB 180-146377/1-A | Method Blank | Total/NA | Water | 8151A | 146377 |

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-52311-1

Client Sample ID: W-150622-PS-WE

Lab Sample ID: 240-52311-1

Date Collected: 06/22/15 11:30

Matrix: Water

Date Received: 06/23/15 09:30

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 8151A | | | 146377 | 06/29/15 09:01 | JPM | TAL PIT |
| Total/NA | Analysis | 8151A | | 4 | 146644 | 07/01/15 13:08 | DFE | TAL PIT |

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058



Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 86165-01-01, Penta Wood

TestAmerica Job ID: 240-52311-1

Laboratory: TestAmerica Canton

The certifications listed below are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-----------|---------------|------------|------------------|-----------------|
| Wisconsin | State Program | 5 | 999518190 | 08-31-15 * |

Laboratory: TestAmerica Pittsburgh

The certifications listed below are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-----------|---------------|------------|------------------|-----------------|
| Wisconsin | State Program | 5 | 998027800 | 08-31-15 |



* Certification renewal pending - certification considered valid.

**CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS**



240-52311 Chain of Custody



4.4/15.4

032173

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (0713)

North Canton, OH 44720
Phone: 330.497.9396 Fax: 330.497.0772

Regulatory Program: DW NPDES RCRA Other:

ganderson@eraworld.com

| | | | | | | | | | |
|---|--|--|--|---|--|---------------------------------|--|---|--|
| Client Contact | | Project Manager: Tim REC | | Site Contact: Grant Anderson | | Date: | | COC No: | |
| Company Name: CRP | | Tel/Fax: | | Lab Contact: | | Carrier: | | COCs | |
| Address: 1801 Old Hwy 8 | | Analysis Turnaround Time | | Filtered Sample (Y/N) Perform MS/MSD (Y/N) PCP-8/51 | | | | Sampler: For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDG No.: | |
| City/State/Zip: St. Paul MN | | <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS | | | | | | | |
| Phone: 651-639-0913 | | TAT if different from Below | | | | | | | |
| Fax: | | <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day | | | | | | | |
| Project Name: Penta wood | | Matrix | | Sample Type (C=Comp, G=Grab) | | # of Cont. | | Sample Specific Notes: | |
| Site: | | Sample Date | | Sample Time | | Sample Type | | Sample Specific Notes: | |
| P O # | | W-150622-PS-WLE | | 6/22/15 1130 | | G W 2 | | Weekly Effluent | |
| Preservation Used: (1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other) | | Possible Hazard Identification: | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | | | | | |
| Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample. | | <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown | | <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months | | | | | |
| Special Instructions/QC Requirements & Comments: | | Fed EA - next day. | | | | | | | |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Custody Seal No.: | | Cooler Temp. (°C): Obs'd: _____ Cor'd: _____ | | Therm ID No.: | | | |
| Relinquished by: [Signature] | | Company: CRP | | Date/Time: 6/22/15 1130 | | Received by: [Signature] | | Company: TA-Canton | |
| Relinquished by: | | Company: | | Date/Time: | | Received by: | | Date/Time: 6/25/15 930 | |
| Relinquished by: | | Company: | | Date/Time: | | Received in Laboratory by: | | Company: Date/Time: | |

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7/2/2015 9:04 AM

Client CRA Site Name _____ Cooler unpacked by: [Signature]
 Cooler Received on 6/23/15 Opened on 6/23/15
 FedEx: 1st - Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box _____ Other _____
 Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
 COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt
 IR GUN# A (CF +1.0 °C) Observed Cooler Temp. 4.4 °C Corrected Cooler Temp. 5.4 °C
 IR GUN# 4 (CF +0.5 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
 IR GUN# 5 (CF +0.4 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
 IR GUN# 8 (CF -1.5 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 2 Yes No
 -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
 -Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? Yes No
9. Were correct bottle(s) used for the test(s) indicated? Yes No
10. Sufficient quantity received to perform indicated analyses? Yes No
11. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC432654
12. Were VOAs on the COC? Yes No
13. Were air bubbles >6 mm in any VOA vials? Yes No NA
14. Was a trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes No

See Multiple Cooler Form

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
 Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by: _____

15. SAMPLE CONDITION
 Sample(s) _____ were received after the recommended holding time had expired.
 Sample(s) _____ were received in a broken container.
 Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION
 Sample(s) _____ were further preserved in the laboratory.
 Time preserved: _____ Preservative(s) added/Lot number(s): _____

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 240-52311-1

Login Number: 52311
List Number: 2
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 06/25/15 02:13 PM

| Question | Answer | Comment |
|---|--------|---------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

