



**CONESTOGA-ROVERS
& ASSOCIATES**

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September 26, 2014

Reference No. 086165-01-01

Mr. Phil Richard
Wisconsin Department of Natural Resources
875 S 4th Avenue
Park Falls, Wisconsin 54552

Dear Phil:

Re: Monthly Status Report – July 16, 2014 through August 31, 2014
Penta Wood Products Superfund Site
Siren, Wisconsin

Conestoga-Rovers & Associates, Inc. (CRA) has prepared this monthly progress report for the period of July 16, 2014 through August 31, 2014 for the Penta Wood Products Superfund Site (Site). The project budget and costs are summarized in Table 1.

1. Progress Made This Reporting Period

Task 01 Routine groundwater extraction and treatment, LNAPL recovery and bioventing system operation, equipment maintenance and repair

- Remediation system operation training
- Project transition
- Project setup and coordination
- Project management
- Project documents and reports review
- Hazardous waste export letter preparation
- Residential well sampling access agreement preparation
- Class K operator certification preparation

Task 02 Waste characterization and coordination (groundwater, LNAPL, GAC, filter cake)

- None

Equal
Employment Opportunity
Employer

REGISTERED COMPANY FOR
ISO 9001
ENGINEERING DESIGN



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Task 03 Waste disposal

- None

Task 04 Housekeeping and grounds keeping (building, access roads, paths, CAMU, etc.)

- None

Task 05 Monthly soil gas sampling and analysis (17 wells)

- None

Task 06 Treatment system influent sampling and analysis

- None

Task 07 Treatment system effluent sampling and analysis (weekly, PCP)

- None

Task 08 Treatment system effluent sampling and analysis (monthly, DRO & Naphthalene)

- None

Task 09 Treatment system effluent sampling and analysis (quarterly, metals)

- None

Task 10 Treatment system effluent sampling and analysis (annually, BTEX, Phenol, Dioxin)

- None

Task 11 Groundwater and LNAPL elevation measurement in all wells

- None



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Task 12 Purging, sampling, and analysis of all monitoring wells (annually for PCP, BTEX, Naphthalene, TAL metals, and NA indicator parameters)

- None

Task 13 Purging, sampling, and analysis of five monitoring wells (semi-annually for PCP, BTEX, Naphthalene, TAL metals, and NA indicator parameters)

- None

Task 14 Sampling of five private wells and onsite potable water well (semi-annually for PCP, BTEX and naphthalene)

- None

Task 15 Semi-annual reporting

- None

Task 16 Monthly status reports

- None

Task 17 Remedial system optimization/alternative remedial action analysis

- LNAPL recovery rate evaluation
- Water treatment evaluation
- Remediation system and well construction details review
- System modification evaluations
- Remedial alternatives evaluation
- Data needs evaluation

Task 18 Regulatory communications

- None



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Task 19 Site Safety Plan

- Draft Health and Safety Plan (HASP) preparation

Task 20 Site QA/QC Plan

- QA/QC Plan preparation

Task 21 Change Order No. 1

- Influent groundwater sampling and transducer installation

2. Problems Resolved

- At the request of WDNR, CRA conducted additional work including influent groundwater sampling and groundwater level monitoring utilizing transducers to determine influent groundwater concentrations and evaluate whether pumping from the semi-confined (deep) aquifer influences water levels in the unconfined (shallow) aquifer.

3. Problem Areas and Recommended Solutions

- None

4. Deliverables Submitted

- Issued Near Term Goals letter (July 30, 2014) to WDNR

5. Activities Planned Next Reporting Period

- Issue Access Agreements for Residential Well Sampling to property owners
- Submit Hazardous Waste Export letter to WDNR
- Submit Remediation System Operation Modification letter to WDNR



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- Finalize HASP
- Draft QA/QC Plan and amend QAPP
- Operate remediation system
- Conduct WPDES permit compliance sampling
- Conduct semi-annual residential well sampling
- Conduct annual groundwater monitoring and sampling event
- Meet with WDNR/USEPA to discuss remediation system operation modification and remedial action alternatives

6. Key Personnel Changes

CRA proposed to WDNR that Pete Storlie be designated as the CRA operator of the remediation system. This is a change from the proposed CRA operator, Greg Wesley, who was listed in the CRA Proposal (April 9, 2014).

7. Subcontractor Services

CRA has retained or is in the process of retaining the following subcontractors to provide services at the Site:

- North Shore Environmental Construction, Inc. – waste management and disposal
- Maurer Power – potential remediation system electrical repair/service
- Evoqua Water Treatment Technologies LLC – carbon supply and change out
- Alar Chemical Sales – diatomaceous earth supply and potential RDVF repair/service
- Applied Air Systems – air compressor routine service and potential repairs
- A-1 Septic – septic tank service
- Austin Lake Landscaping – mowing
- Republic Services – trash disposal

8. Travel

None



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9. Laboratories

CRA will collect future compliance samples and submit to TestAmerica Laboratories, Inc. in North Canton, Ohio for laboratory analyses in accordance with the substantive requirements of the WPDES permit.

10. Project Performance

The groundwater extraction and treatment system and biovent system operations were managed by USEPA and CH2M HILL during this reporting period. The treatment system effluent sampling was conducted prior to CRA taking over operations.

The project is on track to meet the project goals of:

- CRA become competent in operation of the remediation system
- Submit a plan for modifying operation of the remediation system
- Submit a request to shutdown the remediation system and request an Explanation of Significant Differences (ESD) to change the selected remedy



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

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Tim Ree

TR/ma/5

cc: Erin Endsley, WDNR Superior (via email)
Judy Fassbender, WDNR Madison (via email)
David Swimm, WDNR Madison (via email)
John Robinson, WDNR Wausau (via email)
Gary Edelstein, WDNR Madison (via email)
Tim Panzer, WDNR Madison (via email)
Ron Frehner, CRA (via email)
Brian Sandberg, CRA (via email)
Pete Storlie, CRA (via email)

TABLE 1

**CONTRACT BUDGET SUMMARY
PENTA WOOD PRODUCTS SUPERFUND SITE**

CRA Project Number 086165

Phase 01 - August 1, 2014 - July 31, 2015

<i>Contract Budget</i>						<i>Project Costs</i>			
<i>Task</i>	<i>Description</i>	<i>Unit</i>	<i>Estimated Quantity</i>	<i>Unit Cost</i>	<i>Budget</i>	<i>Current Invoice Cost</i>	<i>Previous Invoiced Cost</i>	<i>Total Invoiced Cost</i>	<i>Budget Remaining</i>
01	Routine O&M	Labor hours/rate Estimated material equipment and rental	1	\$ 444,802.00	\$ 444,802.00	\$ 35,757.27	\$ -	\$ 35,757.27	\$ 409,044.73
02	Waste characterization	Labor hours/rate Estimated material equipment and rental	1	\$ 10,500.00	\$ 10,500.00	\$ -	\$ -	\$ -	\$ 10,500.00
03	Waste disposal	Costs plus markup	1	\$ 287,069.00	\$ 287,069.00	\$ -	\$ -	\$ -	\$ 287,069.00
04	Housekeeping and grounds keeping	Labor hours/rate Estimated material equipment and rental	1	\$ 13,088.00	\$ 13,088.00	\$ -	\$ -	\$ -	\$ 13,088.00
05	Monthly soil gas monitoring	Each round	6	\$ 150.00	\$ 900.00	\$ -	\$ -	\$ -	\$ 900.00
06	Treat syst inf (PCP)	Each round	12	\$ 104.50	\$ 1,254.00	\$ -	\$ -	\$ -	\$ 1,254.00
07	Treat syst eff (PCP)	Each round	52	\$ 184.50	\$ 9,594.00	\$ -	\$ -	\$ -	\$ 9,594.00
08	Treat syst eff (DRO, Naph)	Each round	12	\$ 139.00	\$ 1,668.00	\$ -	\$ -	\$ -	\$ 1,668.00
09	Treat syst eff (metals)	Each round	4	\$ 58.00	\$ 232.00	\$ -	\$ -	\$ -	\$ 232.00
10	Treat syst eff (BTEX, Phen, Diox)	Each round	1	\$ 571.00	\$ 571.00	\$ -	\$ -	\$ -	\$ 571.00
11	Semi-annual GW/LNAPL level monit	Each round	2	\$ 435.00	\$ 870.00	\$ -	\$ -	\$ -	\$ 870.00

TABLE 1

**CONTRACT BUDGET SUMMARY
PENTA WOOD PRODUCTS SUPERFUND SITE**

CRA Project Number 086165

Phase 01 - August 1, 2014 - July 31, 2015

Task	Description	Unit	Estimated Quantity	Contract Budget		Project Costs			
				Unit Cost	Budget	Current Invoice Cost	Previous Invoiced Cost	Total Invoiced Cost	Budget Remaining
12	Annual GW well samp	Each round	1	\$ 15,871.00	\$ 15,871.00	\$ -	\$ -	\$ -	\$ 15,871.00
13	Semi-annual GW well samp	Each round	1	\$ 5,920.00	\$ 5,920.00	\$ -	\$ -	\$ -	\$ 5,920.00
14	Annual residential well samp	Each round	1	\$ 2,142.00	\$ 2,142.00	\$ -	\$ -	\$ -	\$ 2,142.00
15	Semi-annual reporting	Each	2	\$ 8,345.00	\$ 16,690.00	\$ -	\$ -	\$ -	\$ 16,690.00
16	Monthly status reports	Each	12	\$ 930.00	\$ 11,160.00	\$ -	\$ -	\$ -	\$ 11,160.00
17	Remedial system analysis	Estimated cost not to exceed	1	\$ 39,650.00	\$ 39,650.00	\$ 10,092.05	\$ -	\$ 10,092.05	\$ 29,557.95
18	Regulatory communications	Pre-approved and determined by DNR	1	\$ 15,000.00	\$ 15,000.00	\$ -	\$ -	\$ -	\$ 15,000.00
19	Site Safety Plan	Estimated cost not to exceed	1	\$ 2,202.00	\$ 2,202.00	\$ 1,990.10	\$ -	\$ 1,990.10	\$ 211.90
20	Site QA/QC Plan	Estimated cost not to exceed	1	\$ 5,000.00	\$ 5,000.00	\$ 543.00	\$ -	\$ 543.00	\$ 4,457.00
21	Change Order No. 1	Estimated cost not to exceed	1	\$ 6,276.00	\$ 6,276.00	\$ 1,132.50	\$ -	\$ 1,132.50	\$ 5,143.50
				TOTAL	\$ 890,459.00	\$ 49,514.92	\$ -	\$ 49,514.92	\$ 840,944.08