



November 15, 2017

Reference No. 086165-04-08

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

Dear Phil:

**Re: Monthly Status Update – October 2017  
Penta Wood Products Superfund Site  
Siren, Wisconsin**

GHD Services Inc. (GHD) has prepared this monthly status update for the period of October 2017 for the Penta Wood Products Superfund Site (Site). The project budget and costs are summarized in the following Tables 1 through 4. All problems, resolutions, and/or recommended solutions with an assessment of data collected during this period will be provided in the next Semiannual Report – July through December 2017. The following is a brief summary of the work completed.

***Phase 02-Tasks 01 through 23***

- No costs were billed to these tasks in the current invoice.

***Phase 03-Tasks 01 through 17***

- No costs were billed to these tasks in the current invoice.

***Phase 04-Task 01 Site safety plan***

- No costs were billed to this task in the current invoice.

***Phase 04-Task 02 Site QA/QC plan***

- No costs were billed to this task in the current invoice.

***Phase 04-Task 03 Housekeeping and grounds keeping***

- No costs were billed to this task in the current invoice.

***Phase 04-Task 04 Quarterly fluid level monitoring***

- No costs were billed to this task in the current invoice.

***Phase 04-Task 05 Semiannual monitoring well sampling***

- The October 2017 semiannual groundwater monitoring and sampling was conducted on October 2 through 13, 2017.
- The current invoice includes laboratory costs (TestAmerica) for groundwater sample analyses.



- The current invoice includes subcontractor costs (Field Environmental Equipment) for rental of groundwater monitoring and sampling equipment.

***Phase 04-Task 06      Semiannual residential well sampling***

- The October 2017 semiannual residential well sampling was conducted on October 20, 2017.

***Phase 04-Task 07      Semiannual reporting***

- No costs were billed to this task in the current invoice.

***Phase 04-Task 08      Monthly reporting***

- Periodic project updates were provided to WDNR.
- The project budget was updated.
- The Monthly Status Report – September 2017 was prepared and submitted on November 7, 2017.

***Phase 04-Task 09      Regulatory communications***

- No costs were billed to this task in the current invoice.

***Phase 04-Task 10      Shallow soil and sediment investigation data evaluation***

- No costs were billed to this task in the current invoice.

***Phase 04-Task 11      Soil sampling under surface debris***

- No costs were billed to this task in the current invoice.

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

Sincerely,

GHD

Tim Ree

TR/sb/49

Encl.

cc:      Stephanie Linebaugh, USEPA (via email)  
         Judy Fassbender, WDNR Madison (via email)  
         David Swimm, WDNR Madison (via email)  
         Duane Klein, WDNR Madison (via email)  
         Ron Frehner, GHD (via email)  
         Brian Sandberg, GHD (via email)  
         Pete Storlie, GHD (via email)

**Table 1**  
**Budget Summary**  
**Penta Wood Products Superfund Site**  
**Siren, Wisconsin**

**GHD Project Number 086165**

**Original Scope of Work and Purchase Order**

Phase	Description	Budget
02	Original Scope of Work (Table 2)	\$ 1,271,421.94
<b>Original Scope of Work Total</b>		<b>\$ 1,271,421.94</b>

**Project Costs**

Current Invoice Cost (through 10/28/2017)	Previous Invoiced Cost	Total Invoiced Cost (through 10/28/2017)	Budget Remaining (through 10/28/2017)
\$ -	\$ 180,027.59	\$ 180,027.59	\$ 1,091,394.35
<b>\$ -</b>	<b>\$ 180,027.59</b>	<b>\$ 180,027.59</b>	<b>\$ 1,091,394.35</b>

**Revised Scope of Work**

Phase	Description	Budget
03	2015-2016 Revised Scope of Work (Table 3)	\$ 786,897.18
04	2017 Revised Scope of Work (Table 4)	\$ 188,770.15
<b>Revised Scope of Work Total</b>		<b>\$ 975,667.33</b>

**Project Costs**

Current Invoice Cost (through 10/28/2017)	Previous Invoiced Cost	Total Invoiced Cost (through 10/28/2017)	Budget Remaining (through 10/28/2017)
\$ -	\$ 759,555.68	\$ 759,555.68	\$ 27,341.50
\$ 17,527.83	\$ 125,715.85	\$ 143,243.68	\$ 45,526.47
<b>\$ 17,527.83</b>	<b>\$ 885,271.53</b>	<b>\$ 902,799.36</b>	<b>\$ 72,867.97</b>

**Overall Budget Status <sup>1</sup>**

<b>Original Budget</b>	<b>\$ 1,271,421.94</b>
<b>Total Invoiced Cost (through 10/28/2017)</b>	<b>\$ 1,082,826.95</b>
<b>Overall Budget Remaining (through 10/28/2017)</b>	<b>\$ 188,594.99</b>
<b>Contingency</b>	<b>\$ 64,000.00</b>
<b>Overall Budget Remaining with Contingency (through 10/28/2017)</b>	<b>\$ 252,594.99</b>

Note:

- <sup>1</sup> The total revised scope of work budget is less than the original scope of work purchase order budget. For overall project budget tracking purposes, the combined costs for work completed under the original purchase order and the revised scope of work are compared against the original purchase order budget.

Table 2

**Original Scope of Work and Purchase Order Budget Summary  
Penta Wood Products Superfund Site  
Siren, Wisconsin**

**GHD Project Number 086165  
Phase 02 - August 1, 2015 - July 31, 2017**

Task	Description	Unit	Estimated Quantity	Unit Cost	Budget	Project Costs			
						Current Invoice Cost (through 10/28/2017)	Previous Invoiced Cost	Total Invoiced Cost (through 10/28/2017)	Budget Remaining (through 10/28/2017)
01	Routine O&M	Labor hours/rate estimated material equipment and rental costs and travel	2	\$ 319,744.46	\$ 639,488.92	\$ -	\$ 91,595.41	\$ 91,595.41	\$ 547,893.51
02	Waste characterization	Labor hours/rate estimated material equipment and rental costs and travel	2	\$ 9,064.00	\$ 18,128.00	\$ -	\$ -	\$ -	\$ 18,128.00
03	Waste disposal	Costs plus markup	2	\$ 91,200.36	\$ 182,400.72	\$ -	\$ -	\$ -	\$ 182,400.72
04	Housekeeping and grounds keeping	Labor hours/rate estimated material equipment and rental costs and travel	2	\$ 17,889.60	\$ 35,779.20	\$ -	\$ 2,742.13	\$ 2,742.13	\$ 33,037.07
05	Monthly soil gas monitoring	Each round	14	\$ 3,286.80	\$ 46,015.20	\$ -	\$ 5,525.48	\$ 5,525.48	\$ 40,489.72
06	Treat syst inf (PCP)	Each round	48	\$ 99.23	\$ 4,762.80	\$ -	\$ 756.00	\$ 756.00	\$ 4,006.80
07	Treat syst eff (PCP)	Each round	104	\$ 226.73	\$ 23,579.40	\$ -	\$ 3,696.71	\$ 3,696.71	\$ 19,882.69
08	Treat syst eff (DRO, naphthalene)	Each round	24	\$ 132.30	\$ 3,175.20	\$ -	\$ 504.00	\$ 504.00	\$ 2,671.20
09	Treat syst eff (metals, chloride)	Each round	8	\$ 194.70	\$ 1,557.60	\$ -	\$ 64.05	\$ 64.05	\$ 1,493.55
10	Treat syst eff (BTEX, phenol, dioxin)	Each round	2	\$ 495.60	\$ 991.20	\$ -	\$ -	\$ -	\$ 991.20
11	Semi-annual GW/LNAPL level monitoring	Each round	4	\$ 894.00	\$ 3,576.00	\$ -	\$ 746.25	\$ 746.25	\$ 2,829.75
12	Annual GW well sampling	Each round	2	\$ 20,284.30	\$ 40,568.60	\$ -	\$ 20,228.08	\$ 20,228.08	\$ 20,340.52

Table 2

**Original Scope of Work and Purchase Order Budget Summary  
Penta Wood Products Superfund Site  
Siren, Wisconsin**

**GHD Project Number 086165  
Phase 02 - August 1, 2015 - July 31, 2017**

Task	Description	Unit	Estimated Quantity	Unit Cost	Budget	Project Costs			
						Current Invoice Cost (through 10/28/2017)	Previous Invoiced Cost	Total Invoiced Cost (through 10/28/2017)	Budget Remaining (through 10/28/2017)
13	Semi-annual GW well sampling	Each round	2	\$ 8,511.20	\$ 17,022.40	\$ -	\$ -	\$ -	\$ 17,022.40
14	Semi-annual residential well sampling	Each round	4	\$ 5,388.18	\$ 21,552.70	\$ -	\$ 5,388.63	\$ 5,388.63	\$ 16,164.07
15	Semi-annual reporting	Each	4	\$ 8,282.00	\$ 33,128.00	\$ -	\$ 1,236.00	\$ 1,236.00	\$ 31,892.00
16	Monthly status reporting	Each	24	\$ 3,523.83	\$ 84,572.00	\$ -	\$ 12,787.33	\$ 12,787.33	\$ 71,784.67
17	Regulatory communications	Pre-approved and determined by DNR	2	\$ 15,000.00	\$ 30,000.00	\$ -	\$ -	\$ -	\$ 30,000.00
18	Site Safety Plan	Estimated cost not to exceed	2	\$ 1,942.00	\$ 3,884.00	\$ -	\$ 275.50	\$ 275.50	\$ 3,608.50
19	Site QA/QC Plan	Estimated cost not to exceed	2	\$ 4,200.00	\$ 8,400.00	\$ -	\$ -	\$ -	\$ 8,400.00
20	Alternate remedy recommendation <sup>1</sup>	Estimated cost not to exceed	1	\$ 27,750.00	\$ 27,750.00	\$ -	\$ 30,695.89	\$ 30,695.89	\$ (2,945.89)
21	WPDES permit updates	Estimated cost not to exceed	1	\$ 3,288.00	\$ 3,288.00	\$ -	\$ -	\$ -	\$ 3,288.00
22	Heating/ventilation system repairs	Labor, material, and contractor costs	1	\$ 20,752.00	\$ 20,752.00	\$ -	\$ 1,787.50	\$ 1,787.50	\$ 18,964.50
23	Well repairs	Labor, material, and contractor costs	1	\$ 21,050.00	\$ 21,050.00	\$ -	\$ 1,998.63	\$ 1,998.63	\$ 19,051.37
<b>Purchase Order Budget Total</b>					<b>\$ 1,271,421.94</b>	<b>\$ -</b>	<b>\$ 180,027.59</b>	<b>\$ 180,027.59</b>	<b>\$ 1,091,394.35</b>

## Notes:

- <sup>1</sup> WDNR approved an increase of \$3,000.00 to the Task 20 unit price due to additional work associated with evaluating existing monitoring well network, proposing additional well locations, confirming field locations; developing a microcosm and bio-trap study work plan; assessing microbial biological tools (MBTs) and environmental molecular diagnostics (EMDs).

Table 3

**2015-2016 Revised Scope of Work and Budget Summary  
Penta Wood Products Superfund Site  
Siren, Wisconsin**

**GHD Project Number 086165  
Phase 03 - November 1, 2015 - December 31, 2016**

**2015-2016 Revised Scope of Work  
and Budget**

**Project Costs**

Task	Description	Unit	Estimated Quantity	Unit Cost	Budget	Project Costs			
						Current Invoice Cost (through 10/28/2017)	Previous Invoiced Cost	Total Invoiced Cost (through 10/28/2017)	Budget Remaining (through 10/28/2017)
01	Well repairs	Lump sum	1	\$ 20,663.30	\$ 20,663.30	\$ -	\$ 20,663.30	\$ 20,663.30	\$ -
02	Drilling and well installation	Lump sum	1	\$ 63,369.90	\$ 63,369.90	\$ -	\$ 60,825.82	\$ 60,825.82	\$ 2,544.08
03	System decommissioning	Lump sum	1	\$ 82,778.80	\$ 82,778.80	\$ -	\$ 82,730.39	\$ 82,730.39	\$ 48.41
04	Site safety plan	Plan	1	\$ 3,372.50	\$ 3,372.50	\$ -	\$ 3,322.28	\$ 3,322.28	\$ 50.22
05	Site QA/QC plan	Plan	1	\$ 6,829.50	\$ 6,829.50	\$ -	\$ 4,958.97	\$ 4,958.97	\$ 1,870.53
06	Waste characterization	Lump sum	1	\$ 20,810.00	\$ 20,810.00	\$ -	\$ 17,752.46	\$ 17,752.46	\$ 3,057.54
07	Waste disposal	Lump sum	1	\$ 173,149.00	\$ 173,149.00	\$ -	\$ 172,925.73	\$ 172,925.73	\$ 223.27
08	Housekeeping and grounds keeping	Lump sum	1	\$ 16,545.30	\$ 16,545.30	\$ -	\$ 15,132.83	\$ 15,132.83	\$ 1,412.47
09	Quarterly fluid level monitoring	Event	4	\$ 3,471.65	\$ 13,886.60	\$ -	\$ 13,730.30	\$ 13,730.30	\$ 156.30

Table 3

**2015-2016 Revised Scope of Work and Budget Summary  
Penta Wood Products Superfund Site  
Siren, Wisconsin**

GHD Project Number 086165  
Phase 03 - November 1, 2015 - December 31, 2016

**2015-2016 Revised Scope of Work  
and Budget**

**Project Costs**

Task	Description	Unit	Estimated Quantity	Unit Cost	Budget	Project Costs				
						Current Invoice Cost (through 10/28/2017)	Previous Invoiced Cost	Total Invoiced Cost (through 10/28/2017)	Budget Remaining (through 10/28/2017)	
10	Baseline groundwater sampling	Event	1	\$ 74,916.75	\$ 74,916.75		\$ 74,432.36	\$ 74,432.36	\$ 484.39	
11	Quarterly monitoring well sampling	Event	3	\$ 26,278.28	\$ 78,834.84	\$ -	\$ 78,834.84	\$ 78,834.84	\$ -	
12	Semiannual residential well sampling	Event	2	\$ 4,194.89	\$ 8,389.78	\$ -	\$ 8,374.91	\$ 8,374.91	\$ 14.87	
13	Quarterly reporting	Report	4	\$ 8,339.00	\$ 33,356.00	\$ -	\$ 33,293.12	\$ 33,293.12	\$ 62.88	
14	Monthly reporting	Report	14	\$ 2,792.65	\$ 39,097.10	\$ -	\$ 38,060.73	\$ 38,060.73	\$ 1,036.37	
15	Regulatory communications	Pre-approved and determined by DNR	1	\$ 15,000.00	\$ 15,000.00	\$ -	\$ 4,418.94	\$ 4,418.94	\$ 10,581.06	
16	Microcosm and bio-trap study	Lump sum	1	\$ 45,793.40	\$ 45,793.40	\$ -	\$ 45,656.95	\$ 45,656.95	\$ 136.45	
17	Shallow soil and sediment investigation	Pre-approved and determined by DNR	1	\$ 55,119.50	\$ 55,119.50	\$ -	\$ 55,119.50	\$ 55,119.50	\$ -	
					<b>2015-2016 Budget Subtotal</b>	<b>\$ 751,912.27</b>	<b>\$ -</b>	<b>\$ 730,233.43</b>	<b>\$ 730,233.43</b>	<b>\$ 21,678.84</b>

Table 3

**2015-2016 Revised Scope of Work and Budget Summary  
Penta Wood Products Superfund Site  
Siren, Wisconsin**

GHD Project Number 086165  
Phase 03 - November 1, 2015 - December 31, 2016

2015-2016 Revised Scope of Work and Budget						Project Costs			
Task	Description	Unit	Estimated Quantity	Unit Cost	Budget	Current Invoice Cost (through 10/28/2017)	Previous Invoiced Cost	Total Invoiced Cost (through 10/28/2017)	Budget Remaining (through 10/28/2017)
<b>WDNR Approved Additional Costs</b>									
11	Quarterly monitoring well sampling <sup>1</sup>	Event	3	\$ 2,813.37	\$ 8,440.11	\$ -	\$ 8,440.11	\$ 8,440.11	\$ -
01	Well repairs <sup>2</sup>	Lump sum	1	\$ 8,184.00	\$ 8,184.00	\$ -	\$ 3,850.70	\$ 3,850.70	\$ 4,333.30
11	Quarterly monitoring well sampling <sup>3</sup>	Event	1	\$ 2,260.38	\$ 2,260.38	\$ -	\$ 950.72	\$ 950.72	\$ 1,309.66
17	Shallow soil and sediment investigation <sup>4</sup>	Lump sum	1	\$ 16,100.42	\$ 16,100.42	\$ -	\$ 16,080.72	\$ 16,080.72	\$ 19.70
					<b>2015-2016 Approved Additional Costs Subtotal</b>	\$ -	\$ 29,322.25	\$ 29,322.25	\$ 5,662.66
					<b>2015-2016 Budget Total</b>	\$ -	\$ 759,555.68	\$ 759,555.68	\$ 27,341.50

## Notes:

- <sup>1</sup> WDNR approved an increase of \$8,440.11 (\$2,813.37 per event unit cost) to the Task 11 budget due to additional work associated with collection and laboratory analysis of three additional groundwater monitoring well samples (MW23, MW25, and EW13S) during three quarterly events.
- <sup>2</sup> WDNR approved an increase of \$8,184.00 to the Task 01 budget due to additional well repair work.
- <sup>3</sup> WDNR approved an increase of \$2,260.38 to the Task 11 budget due to sampling at wells MW4 and MW14 during one quarterly event.
- <sup>4</sup> WDNR approved an increase of \$16,100.42 to the Task 17 budget to complete the shallow soil and sediment investigation.



Table 4

**2017 Revised Scope of Work and Budget Summary  
Penta Wood Products Superfund Site  
Siren, Wisconsin**

**GHD Project Number 086165  
Phase 04 - January 1, 2017 - December 31, 2017**

<b>2017 Revised Scope of Work and Budget</b>						<b>Project Costs</b>				
<b>Task</b>	<b>Description</b>	<b>Unit</b>	<b>Estimated Quantity</b>	<b>Unit Cost</b>	<b>Budget</b>	<b>Current Invoice Cost (through 10/28/2017)</b>	<b>Previous Invoiced Cost</b>	<b>Total Invoiced Cost (through 10/28/2017)</b>	<b>Budget Remaining (through 10/28/2017)</b>	
01	Site safety plan	Plan	1	\$ 1,310.50	\$ 1,310.50	\$ -	\$ 1,303.56	\$ 1,303.56	\$ 6.94	
02	Site QA/QC plan	Plan	1	\$ 2,098.00	\$ 2,098.00	\$ -	\$ -	\$ -	\$ 2,098.00	
03	Housekeeping and grounds keeping	Lump sum	1	\$ 15,381.60	\$ 15,381.60	\$ -	\$ 9,137.71	\$ 9,137.71	\$ 6,243.89	
04	Quarterly fluid level monitoring	Event	4	\$ 3,471.60	\$ 13,886.40	\$ -	\$ 8,120.27	\$ 8,120.27	\$ 5,766.13	
05	Semiannual monitoring well sampling	Event	2	\$ 26,278.28	\$ 52,556.56	\$ 14,763.05	\$ 37,793.51	\$ 52,556.56	\$ -	
06	Semiannual residential well sampling	Event	2	\$ 4,194.89	\$ 8,389.78	\$ 477.00	\$ 5,324.63	\$ 5,801.63	\$ 2,588.15	
07	Semiannual reporting	Report	2	\$ 6,201.00	\$ 12,402.00	\$ -	\$ 12,187.23	\$ 12,187.23	\$ 214.77	
08	Monthly reporting	Report	12	\$ 1,594.00	\$ 19,128.00	\$ 650.00	\$ 13,506.70	\$ 14,156.70	\$ 4,971.30	
09	Regulatory communications	Pre-approved and determined by DNR	1	\$ 15,000.00	\$ 15,000.00	\$ -	\$ 9,098.16	\$ 9,098.16	\$ 5,901.84	
					<b>2017 Budget Subtotal</b>	<b>\$ 140,152.84</b>	<b>\$ 15,890.05</b>	<b>\$ 96,471.77</b>	<b>\$ 112,361.82</b>	<b>\$ 27,791.02</b>

Table 4

**2017 Revised Scope of Work and Budget Summary  
Penta Wood Products Superfund Site  
Siren, Wisconsin**

**GHD Project Number 086165  
Phase 04 - January 1, 2017 - December 31, 2017**

Task	Description	Unit	2017 Revised Scope of Work and Budget			Project Costs				
			Estimated Quantity	Unit Cost	Budget	Current Invoice Cost (through 10/28/2017)	Previous Invoiced Cost	Total Invoiced Cost (through 10/28/2017)	Budget Remaining (through 10/28/2017)	
<b>WDNR Approved Additional Costs</b>										
05	Semiannual monitoring well sampling <sup>1</sup>	Event	2	\$ 8,782.42	\$ 17,564.83	\$ 1,637.78	\$ -	\$ 1,637.78	\$ 15,927.05	
10	Shallow soil and sediment investigation data evaluation <sup>2</sup>	Lump sum	1	\$ 11,089.20	\$ 11,089.20	\$ -	\$ 10,882.63	\$ 10,882.63	\$ 206.57	
11	Soil sampling under surface debris <sup>3</sup>	Lump sum	1	\$ 19,963.28	\$ 19,963.28	\$ -	\$ 18,361.45	\$ 18,361.45	\$ 1,601.83	
					<b>2017 Approved Additional Costs Subtotal</b>	<b>\$ 48,617.31</b>	<b>\$ 1,637.78</b>	<b>\$ 29,244.08</b>	<b>\$ 30,881.86</b>	<b>\$ 17,735.45</b>
					<b>2017 Budget Total</b>	<b>\$ 188,770.15</b>	<b>\$ 17,527.83</b>	<b>\$ 125,715.85</b>	<b>\$ 143,243.68</b>	<b>\$ 45,526.47</b>

## Notes:

- <sup>1</sup> WDNR approved an increase of \$17,564.83 (\$8,782.42 per event unit cost) to the Task 5 budget due to additional groundwater sampling at wells (MW4, MW14, MW23, MW25, and EW13S) during two semiannual events.
- <sup>2</sup> WDNR approved an increase of \$11,089.20 to a new Task 10 budget due to a shallow soil and sediment data evaluation.
- <sup>3</sup> WDNR approved an increase of \$19,963.28 to a new Task 11 budget due to soil sampling under surface debris.