

March 21, 2018 Reference No. 086165-04-08

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

Dear Phil:

Re: Monthly Status Update – February 2018
Penta Wood Products Superfund Site
Siren, Wisconsin

GHD Services Inc. (GHD) has prepared this monthly status update for the period of February 2018 for the Penta Wood Products Superfund Site (Site). The project budget and costs are summarized in the following Tables 1 through 5. All problems, resolutions, and/or recommended solutions with an assessment of data collected during this period will be provided in the next Semiannual Report – January through June 2018. 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-Tasks 01 through 11

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

Phase 05-Task 01 Site safety plan preparation

The Site-Specific Health and Safety Plan was revised for work to be conducted in 2018.

Phase 05-Task 02 Housekeeping and grounds keeping

- On February 2, 2018, WNDR was notified by the Burnett County Sheriff Department that the Site
 entrance gate was not fully secured. No vandalism was observed. The Sheriff temporarily secured the
 gate.
- Annual backflow preventer and fire extinguisher inspections and maintenance are scheduled for April 2018.
- The water piping and entrance gate repairs will be completed during the April 2018.
- The current invoice includes subcontractor costs (Maurer Power) for troubleshooting the heater in the lab room of the treatment building.





Phase 05-Task 03 Quarterly groundwater/LNAPL level monitoring

 The current invoice includes expenses incurred during the January 2018 groundwater and LNAPL level monitoring event.

Phase 05-Task 04 Semiannual groundwater well sampling

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

Phase 05-Task 05 Semiannual residential well sampling

 The October 2017 residential well sampling result letters were issued to the property owners on February 6, 2018.

Phase 05-Task 06 Semiannual reporting

 The current invoice includes expenses for providing copies of the Semiannual Report – July through December 2017.

Phase 05-Task 07 Monthly reporting

- Periodic project updates were provided to WDNR.
- The project budget was updated.
- The Monthly Status Report January 2018 was prepared and submitted on February 19, 2018.

Phase 05-Task 08 Tier II reporting (2017 wastes)

- The Annual Hazardous Waste Report 2017 was submitted electronically in the Wisconsin Web Access Management System (WAMS) website on February 23, 2018. This report documents hazardous waste that was removed from the Site in 2017 and disposed at an authorized facility.
- The Wisconsin 2017 Tier II Emergency and Hazardous Chemical Inventory (Tier II) report and the Emergency Notification Planning (EPN) form were submitted electronically on the Wisconsin Hazmat Online Planning and Reporting System (WHOPRS) website on February 26, 2018. The Tier II report documents the water treatment chemicals that were stored at the Site during 2017. The EPN form documents that water treatment chemicals are no longer stored at the Site.

Phase 05-Task 09 Regulatory communications

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/54

Encl.

cc: Stephanie Linebaugh, USEPA (via email)

Judy Fassbender, WDNR Madison (via email) Adrian Herrera, WDNR Madison (via email)

Ron Frehner, GHD (via email) Brian Sandberg, GHD (via email) Pete Storlie, GHD (via email)

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
	Original Scope of Work Total	\$ 1,271,421.94

	Projec	t Costs
Current	Previous	Tot
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Current Invoice Cost (through 2/24/2018)	Previous Invoiced Cost	Total Invoiced Cost (through 2/24/2018)	Budget Remaining (through 2/24/2018)			
\$ -	\$ 180,027.59	\$ 180,027.59	\$ 1,091,394.35			
\$ -	\$ 180,027.59	\$ 180,027.59	\$ 1,091,394.35			

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
05	2018 Revised Scope of Work (Table 5)	\$ 183,434.25
	Revised Scope of Work Total	\$ 1,159,101.58

Project (Costs
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In	Current voice Cost (through //24/2018)	Previous Invoiced Cost			Total voiced Cost (through 2/24/2018)	Budget Remaining (through 2/24/2018)			
\$		\$	759,555.68	\$	759,555.68	\$	27,341.50		
\$	-	\$	160,896.05	\$	160,896.05	\$	27,874.10		
\$	4,886.66	\$	10,095.96	\$	14,982.62	\$	168,451.63		
\$	4,886.66	\$	930,547.69	\$	935,434.35	\$	223,667.23		

Overall Budget Status 1

Overall Baaget Otatas	
Original Budget	\$ 1,271,421.94
Total Invoiced Cost (through 2/24/2018)	\$ 1,115,461.94
Overall Budget Remaining (through 2/24/2018)	\$ 155,960.00
Contingency	\$ 64,000.00
Overall Budget Remaining with Contingency (through 2/24/2018)	\$ 219,960.00

Note:

The total revised scope of work budget is less that 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.

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

> Original Scope of Work and Purchase Order Budget

			Project	t Cos	sts	
Current		F	Previous		Total	Budget
(through	Invoice Cost (through 2/24/2018)		oiced Cost		oiced Cost (through 2/24/2018)	Remaining (through 2/24/2018)
\$	-	\$	91,595.41	\$	91,595.41	\$ 547,893.51
\$	-	\$	-	\$	-	\$ 18,128.00
\$	-	\$	-	\$	-	\$ 182,400.72
\$	-	\$	2,742.13	\$	2,742.13	\$ 33,037.07
\$	-	\$	5,525.48	\$	5,525.48	\$ 40,489.72
\$	-	\$	756.00	\$	756.00	\$ 4,006.80
\$	-	\$	3,696.71	\$	3,696.71	\$ 19,882.69
\$	-	\$	504.00	\$	504.00	\$ 2,671.20
\$	-	\$	64.05	\$	64.05	\$ 1,493.55
\$	-	\$	-	\$	-	\$ 991.20

Task	Description	Unit	Estimated Quantity	Unit Cost	Budget	Invoice Cost (through 2/24/2018)	Ir	nvoiced Cost	voiced Cost (through 2/24/2018)	Remaining (through 2/24/2018)
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

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

> Original Scope of Work and Purchase Order Budget

Project Costs

Task	Description	Unit	Estimated Quantity	U	nit Cost	Budget	Current Invoice Cost (through 2/24/2018)		Previous Invoiced Cost		Total Invoiced Cost (through 2/24/2018)		Budget Remaining (through 2/24/2018)
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 ¹	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
	4		Purchase	Orde Total	_	\$ 1,271,421.94	\$ -	\$	180,027.59	\$	180,027.59	\$	1,091,394.35

Notes:

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).

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** Current Budget Estimated Previous Total Task Description Unit **Unit Cost** Budget **Invoice Cost** Invoiced Cost Remaining Quantity **Invoiced Cost** (through (through (through 2/24/2018) 2/24/2018) 2/24/2018) 01 Well repairs 20,663.30 \$ 20,663.30 \$ 20,663.30 \$ 20,663.30 Lump sum 1 \$ 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 Site QA/QC plan Plan 1 6.829.50 6.829.50 \$ \$ 4.958.97 \$ 4.958.97 \$ 05 1.870.53 06 Waste characterization 1 20,810.00 \$ 20,810.00 \$ 17,752.46 \$ 17,752.46 \$ 3,057.54 Lump sum 1 \$ 173,149.00 172,925.73 \$ 223.27 07 Waste disposal \$ 173,149.00 172,925.73 \$ Lump sum 80 Housekeeping and grounds keeping Lump sum 1 16,545.30 \$ 16,545.30 15,132.83 \$ 15,132.83 \$ 1,412.47 \$ 156.30 Quarterly fluid level monitoring 4 3,471.65 \$ 13,886.60 13,730.30 \$ 13,730.30 \$ Event

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** Budget Estimated Current Previous Total Task Description Unit **Unit Cost Invoiced Cost** Remaining Quantity Budget **Invoice Cost Invoiced Cost** (through (through (through 2/24/2018) 2/24/2018) 2/24/2018) Baseline groundwater sampling \$ 74,916.75 \$ 74,916.75 74,432.36 \$ 74,432.36 \$ Event 1 484.39 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 39.097.10 \$ 14 Monthly reporting Report 14 2.792.65 38.060.73 \$ 38.060.73 \$ 1.036.37 Pre-approved and 15 Regulatory communications 1 15,000.00 \$ 15,000.00 \$ \$ 4,418.94 \$ 4,418.94 \$ 10,581.06 determined by DNR 1 45.656.95 \$ Microcosm and bio-trap study 45,793.40 45,793.40 45.656.95 \$ 136.45 Lump sum 17 Shallow soil and sediment Pre-approved and 1 55,119.50 \$ 55,119.50 55,119.50 \$ 55,119.50 \$ investigation determined by DNR 2015-2016 Budget \$ 751,912.27 \$ 730,233.43 \$ 730.233.43 \$ 21.678.84 Subtotal

Project Costs

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

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Task	Description	Unit	Estimated Quantity		nit Cost		Budget	Curre Invoice			Previous oiced Cost	In	Total voiced Cost		Budget emaining
	·						J	(through 2/24/2018)		_		(through 2/24/2018)			through /24/2018)
WDNF	Approved Additional Costs														
11	Quarterly monitoring well sampling ¹	Event	3	\$	2,813.37	\$	8,440.11	\$	-	\$	8,440.11	\$	8,440.11	\$	-
01	Well repairs ²	Lump sum	1	\$	8,184.00	\$	8,184.00	\$	-	\$	3,850.70	\$	3,850.70	\$	4,333.30
11	Quarterly monitoring well sampling ³	Event	1	\$	2,260.38	\$	2,260.38	\$	-	\$	950.72	\$	950.72	\$	1,309.66
17	Shallow soil and sediment investigation ⁴	Lump sum	1	\$	16,100.42	\$	16,100.42	\$	-	\$	16,080.72	\$	16,080.72	\$	19.70
				2015-2016 Approved Additional Costs Subtotal		\$	34,984.91	\$	-	\$	29,322.25	\$	29,322.25	\$	5,662.66
			_	15-20 get T	-	\$	786,897.18	\$	-	\$	759,555.68	\$	759,555.68	\$	27,341.50

Notes:

- 1 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.
- WDNR approved an increase of \$8,184.00 to the Task 01 budget due to additional well repair work.
- 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.
- 4 WDNR approved an increase of \$16,100.42 to the Task 17 budget to complete the shallow soil and sediment investigation.

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

2017 Revised Scope of Work

and Budget

Project Costs

				and Budge	,				
			Estimated			Current	Previous	Total	Budget
Task	Description	Unit	nit Quantity Unit Cost Bo		Budget	Invoice Cost	Invoiced Cost	Invoiced Cost	Remaining
	•					(through		(through	(through
						2/24/2018)		2/24/2018)	2/24/2018)
01	Site safety plan	Plan	1	\$ 1,310.50) \$ 1,310.50	\$ -	\$ 1,303.56	\$ 1,303.56	
01	Site Salety plan	Fidil	'	φ 1,310.5t	σ (310.50)	5 -	φ 1,303.36	φ 1,303.30	φ 0.94
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	\$ -	\$ 9,818.21	\$ 9,818.21	\$ 5,563.39
04	Quarterly fluid level monitoring	Event	4	\$ 3,471.60	\$ 13,886.40	\$ -	\$ 8,992.02	\$ 8,992.02	\$ 4,894.38
05	Semiannual monitoring well sampling	Event	2	\$ 26,278.28	3 \$ 52,556.56	\$ -	\$ 52,556.56	\$ 52,556.56	\$ -
06	Semiannual residential well sampling	Event	2	\$ 4,194.89	8,389.78	\$ -	\$ 8,346.51	\$ 8,346.51	\$ 43.27
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	\$ -	\$ 18,439.83	\$ 18,439.83	\$ 688.17
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
2017 Budget Subtotal \$		\$ 140,152.84	\$ -	\$ 120,742.08	\$ 120,742.08	\$ 19,410.76			

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

2017 Revised Scope of Work

		and Budget					Project Costs							
Task	Description	Unit	Estimated Quantity	Unit Cost		Budget		Current Invoice Cost (through 2/24/2018)	In	Previous voiced Cost		Total voiced Cost (through 2/24/2018)	R(Budget emaining through /24/2018)
WDNR Approved Additional Costs														
05	Semiannual monitoring well sampling ¹	Event	2	\$ 8,782.42	\$	17,564.83		\$ -	\$	9,913.39	\$	9,913.39	\$	7,651.44
10	Shallow soil and sediment investigation data evaluation ²	Lump sum	1	\$ 11,089.20	\$	11,089.20		\$ -	\$	11,053.13	\$	11,053.13	\$	36.07
11	Soil sampling under surface debris ³	Lump sum	1	\$ 19,963.28	\$	19,963.28		\$ -	\$	19,187.45	\$	19,187.45	\$	775.83
			2017 Approved Additiona Costs Subtotal		\$	48,617.31		\$ -	\$	40,153.97	\$	40,153.97	\$	8,463.34
			2017 Budget Total		188,770.15		\$ -	\$	160,896.05	\$	160,896.05	\$	27,874.10	

Notes:

- 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.
- WDNR approved an increase of \$11,089.20 to a new Task 10 budget due to a shallow soil and sediment data evaluation.
- 3 WDNR approved an increase of \$19,963.28 to a new Task 11 budget due to soil sampling under surface debris.

2018 Revised Scope of Work and Budget Summary Penta Wood Products Superfund Site Siren, Wisconsin

GHD Project Number 086165 Phase 05 - January 1, 2018 - December 31, 2018

2018 Revised Scope of Work

Project Costs and Budget Estimated Current Previous Budget Total Task Description Unit Quantity **Unit Cost Invoice Cost** Invoiced Cost **Invoiced Cost** Remaining Budget (through (through (through 2/24/2018) 2/24/2018) 2/24/2018) 1 299.00 \$ Site safety plan preparation Plan 1,421.50 1,421.50 \$ 85.25 \$ 384.25 \$ 1,037.25 2 1 17,975.25 \$ 17,975.25 \$ 770.99 \$ 2,340.53 \$ 3,111.52 \$ 14,863.73 House keeping and grounds keeping Time and materials Quarterly groundwater/LNAPL level 4 3,846.50 \$ 15,386.00 \$ 161.59 \$ 1,358.65 \$ 1,520.24 \$ 13,865.76 Event monitoring \$ 4 Semiannual groundwater well sampling Event 2 36,248.75 \$ 72,497.50 \$ 72,497.50 2 \$ 18,338.00 \$ 540.75 \$ \$ 540.75 \$ 17,797.25 5 Semiannual residential well sampling Event 9,169.00 6 Semiannual reporting 2 7,653.00 15,306.00 \$ 15.60 \$ 5,628.63 \$ 5,644.23 \$ Report 9,661.77 2,253.65 \$ 7 Monthly reporting Report 12 2,114.00 \$ 25,368.00 \$ 1,570.75 \$ 682.90 \$ 23,114.35 Tier II reporting (2017 wastes) 2,142.00 1,527.98 1,527.98 \$ 614.02 8 Report 1 2,142.00 9 Regulatory communications Pre-approved by 1 15,000.00 15,000.00 \$ \$ 15,000.00 WDNR 2018 \$ 183,434.25 \$ 4,886.66 \$ 10,095.96 14,982.62 \$ 168,451.63 **Budget Total**