

July 23, 2018 Reference No. 086165-05-07

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

Dear Phil:

Re: Monthly Status Update – June 2018
Penta Wood Products Superfund Site
Siren, Wisconsin
WDNR BRRTS Activity #02-07-000532

GHD Services Inc. (GHD) has prepared this monthly status update for the period of June 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

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

Phase 05-Task 02 Housekeeping and grounds keeping

- The water piping modifications were completed to collect a sample from the onsite water supply well.
 The entrance gate was repaired.
- The annual fire extinguisher inspections/maintenance was completed on May 30, 2018; subcontractor costs for this work will be provided in a future invoice.
- Portable sanitary facility delivery and mowing were coordinated.
- This invoice includes expenses (Austin Lake Landscaping) for mowing in May 2018 prior to the semiannual groundwater sampling event.
- This invoice includes expenses (El Stinko Portable Toilets) for the delivery and rental of a portable sanitary facility during the semiannual groundwater sampling event in May and June 2018.





Phase 05-Task 03 Quarterly groundwater/LNAPL level monitoring

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

Phase 05-Task 04 Semiannual groundwater well sampling

- The semiannual groundwater well sampling event was conducted on May 29 through June 1, 2018.
- This invoice includes expenses (TestAmerica Laboratories) for the groundwater monitoring well samples.
- This invoice includes expenses (Field Environmental Instruments) for rental of groundwater monitoring and sampling equipment.
- This invoice includes expenses (FedEx) for shipping groundwater samples to the laboratory.

Phase 05-Task 05 Semiannual residential well sampling

- The April/June 2018 semiannual residential well sample analytical data was evaluated and validated.
- The water supply at well RW-1 was turned off upon arrival in April 2018 and sampling could not be
 performed; sampling was completed at this well on June 5, 2018. Following piping modifications for
 the onsite supply well DW-01, sampling was completed at this well on June 5, 2018.
- This invoice includes expenses (TestAmerica Laboratories) for the laboratory analyses of the residential well and onsite supply well samples collected in June 2018.
- This invoice includes expenses (FedEx) for shipping water samples to the laboratory.

Phase 05-Task 06 Semiannual reporting

Portions of the Semiannual Report – January through June 2018 were prepared.

Phase 05-Task 07 Monthly reporting

- Periodic project updates were provided to WDNR.
- The project budget was updated.
- The Monthly Status Report May 2018 was prepared and submitted on June 20, 2018.

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

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

Phase 05-Task 09 Regulatory communications

A preliminary strategy and plan was developed for excavating impacted soil/sediment from the
wetland located on the adjacent property to the north. A letter was prepared and submitted to Mr. Dan
Harrington (WDNR) on June 15, 2018 discussing a preliminary wetland excavation plan and
requesting confirmation that wetland permitting and mitigation is not required to complete the wetland
excavation work.

086165Richard-58-Mthly Status Update 2



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

Sincerely,

GHD

Tim Ree

TR/sb/58

Encl.

cc: Stephanie Linebaugh, USEPA (via email)

Judy Fassbender, WDNR Madison (via email) Chris Saari, WDNR Ashland (via email)

Chris Saari, WDNR Ashland (via email) Adrian Herrera, WDNR Madison (via email)

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

086165Richard-58-Mthly Status Update

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

	Project	t Costs
rrent	Previous	

Curi Invoice (thro 6/30/2	e Cost ough	Previous voiced Cost	Inv	Total voiced Cost (through 6/30/2018)	Budget Remaining (through 6/30/2018)
\$	-	\$ 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

In	Current voice Cost (through 6/30/2018)	In	Previous voiced Cost		Total voiced Cost (through 6/30/2018)	Budget Remaining (through 6/30/2018)
\$	-	\$	759,555.68	\$	759,555.68	\$ 27,341.50
\$	-	\$	160,896.05	\$	160,896.05	\$ 27,874.10
\$	31,780.53	\$	37,565.71	\$	69,346.24	\$ 114,088.01
\$	31,780.53	\$	958,017.44	\$	989,797.97	\$ 169,303.61

Overall Budget Status 1

Overall Baager Otatas	
Original Budget	\$ 1,271,421.94
Total Invoiced Cost (through 6/30/2018)	\$ 1,169,825.56
Overall Budget Remaining (through 6/30/2018)	\$ 101,596.38
Contingency	\$ 64,000.00
Overall Budget Remaining with Contingency (through 6/30/2018)	\$ 165,596.38

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 Costs

Task	Description	Unit	Estimated Quantity	ι	Jnit Cost	Budget	In	Current voice Cost (through 5/30/2018)	ı	Previous nvoiced Cost	(Total oiced Cost (through /30/2018)	Budget Remaining (through 6/30/2018)
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	Unit (Cost	 Budget	Current Invoice Cos (through 6/30/2018)		Previous Invoiced Co		(Total oiced Cost through /30/2018)	Budget Remaining (through 6/30/2018)
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	3.63	\$	5,388.63	\$ 16,164.07
15	Semi-annual reporting	Each	4	\$ 8	,282.00	\$ 33,128.00	\$	-	\$ 1,236	6.00	\$	1,236.00	\$ 31,892.00
16	Monthly status reporting	Each	24	\$ 3	,523.83	\$ 84,572.00	\$	-	\$ 12,78	7.33	\$	12,787.33	\$ 71,784.67
17	Regulatory communications	Pre-approved and determined by DNR	2	\$ 15	5,000.00	\$ 30,000.00	\$	-	\$	-	\$	-	\$ 30,000.00
18	Site Safety Plan	Estimated cost not to exceed	2	\$ 1	,942.00	\$ 3,884.00	\$	-	\$ 275	5.50	\$	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	7,750.00	\$ 27,750.00	\$	-	\$ 30,69	5.89	\$	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	7.50	\$	1,787.50	\$ 18,964.50
23	Well repairs	Labor, material, and contractor costs	1	\$ 21	,050.00	\$ 21,050.00	\$	-	\$ 1,998	3.63	\$	1,998.63	\$ 19,051.37
			Purchase	Order Bu Total	udget	\$ 1,271,421.94	\$	-	\$ 180,02	7.59	\$	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	•					Projec	t Cos	sts	
Task	Description	Unit	Estimated Quantity	l	Init Cost		Budget	Current Invoice Cos (through 6/30/2018)			vious ed Cost	Inv	Total voiced Cost (through 5/30/2018)	Budget Remaining (through 6/30/2018)
01	Well repairs	Lump sum	1	\$	20,663.30	\$	20,663.30	\$	-	\$ 2	0,663.30	\$	20,663.30	\$ -
02	Drilling and well installation	Lump sum	1	\$	63,369.90	\$	63,369.90	\$	-	\$ 6	0,825.82	\$	60,825.82	\$ 2,544.08
03	System decommissioning	Lump sum	1	\$	82,778.80	\$	82,778.80	\$	-	\$ 8	2,730.39	\$	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	\$	-	\$ 1	7,752.46	\$	17,752.46	\$ 3,057.54
07	Waste disposal	Lump sum	1	\$	173,149.00	\$	173,149.00	\$	-	\$ 17	2,925.73	\$	172,925.73	\$ 223.27
08	Housekeeping and grounds keeping	Lump sum	1	\$	16,545.30	\$	16,545.30	\$	-	\$ 1	5,132.83	\$	15,132.83	\$ 1,412.47
09	Quarterly fluid level monitoring	Event	4	\$	3,471.65	\$	13,886.60	\$	-	\$ 1	3,730.30	\$	13,730.30	\$ 156.30

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				Projec	t Co	sts	
Task	Description	Unit	Estimated Quantity	ı	Unit Cost	Budget	Current Invoice Cost (through 6/30/2018)	t	Previous voiced Cost		Total voiced Cost (through 6/30/2018)	Budget Remaining (through 6/30/2018)
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	\$ -
		•		016 ibto	Budget tal	\$ 751,912.27	\$	-	\$ 730,233.43	\$	730,233.43	\$ 21,678.84

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

				anu	Duugei						Fiojec	L CO	ວເວ		
Task	Description	Unit	Estimated Quantity	Unit (Cost		Budget	Curr Invoice (thro	Cost ugh		Previous oiced Cost		Total voiced Cost (through	R (Budget emaining through
								6/30/2	2018)			,	6/30/2018)	6	/30/2018)
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	Mall 2	Lump sum	1	\$ 8.	,184.00	\$	8,184.00	\$		\$	3,850.70	\$	3,850.70	\$	4,333.30
01	Well repairs ²	Lump sum	'	φ 0,	,104.00	Ψ	0,104.00	Ψ	_	Ψ	3,030.70	Ψ	3,030.70	Ψ	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	Lump sum	1	\$ 16,	,100.42	\$	16,100.42	\$	-	\$	16,080.72	\$	16,080.72	\$	19.70
	investigation 4														
			2015-20 Additional	16 Appro Costs Su		\$	34,984.91	\$	-	\$	29,322.25	\$	29,322.25	\$	5,662.66
					1							ı			
			_	15-2016 get Total	l	\$	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** Estimated Current Previous Total Budget Task Description Unit Quantity **Unit Cost** Budget **Invoice Cost Invoiced Cost Invoiced Cost** Remaining (through (through (through 6/30/2018) 6/30/2018) 6/30/2018) Plan 1 1,310.50 1,310.50 1,303.56 \$ 1,303.56 \$ 01 Site safety plan 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 \$ 9,818.21 \$ 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 2 26,278.28 52,556.56 \$ 05 Semiannual monitoring well sampling Event 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 2 Semiannual reporting 6,201.00 12,402.00 12,187.23 \$ 12,187.23 214.77 07 Report \$ 80 Monthly reporting Report 12 1,594.00 19,128.00 18,439.83 \$ 18,439.83 \$ 688.17 09 Regulatory communications Pre-approved and 1 15,000.00 15,000.00 \$ 9,098.16 \$ 9,098.16 \$ 5,901.84 determined by DNR 2017 Budget Subtotal \$ 140,152.84 \$ 120,742.08 \$ 120,742.08 19,410.76

Project Costs

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

2017 Revised Scope of Work

				and budget				Projec	COU	າວເວ		
Task	Description	Unit	Estimated Quantity	Unit Cost	Budget	Current Invoice Cost (through 6/30/2018)		Previous Invoiced Cost		Total voiced Cost (through 6/30/2018)	R (Budget emaining (through /30/2018)
WDNF	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
				oved Additional Subtotal	\$ 48,617.31	\$	-	\$ 40,153.97	\$	40,153.97	\$	8,463.34
				2017 get Total	\$ 188,770.15	\$	-	\$ 160,896.05	\$	160,896.05	\$	27,874.10

Notes:

- 1 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.
- ² 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 Current Previous **Estimated Total Budget** Task Description Unit Quantity **Unit Cost Invoice Cost** Invoiced Cost **Invoiced Cost** Remaining Budget (through (through (through 6/30/2018) 6/30/2018) 6/30/2018) 1 \$ 539.45 \$ Site safety plan preparation Plan 1,421.50 1,421.50 \$ 539.45 \$ 882.05 17,975.25 \$ 17,975.25 1,915.52 \$ 6,312.19 \$ 8,227.71 \$ 9,747.54 2 House keeping and grounds keeping Time and materials 1 Quarterly groundwater/LNAPL level 4 3,846.50 \$ 15,386.00 \$ 5,149.89 \$ 5,149.89 \$ 10,236.11 Event monitoring 4 Semiannual groundwater well sampling Event 2 36,248.75 \$ 72,497.50 \$ 22,925.03 \$ 1,810.62 \$ 24,735.65 \$ 47,761.85 2 \$ 18,338.00 \$ 1,599.10 \$ 6,741.94 \$ 8,341.04 \$ 9,996.96 5 Semiannual residential well sampling Event 9,169.00 6 2 7,653.00 15,306.00 \$ 2,086.50 \$ 6.157.08 \$ 8,243.58 \$ 7,062.42 Semiannual reporting Report 7 Monthly reporting Report 12 2,114.00 \$ 25,368.00 \$ 1,229.88 \$ 4,421.28 \$ 5,651.16 \$ 19,716.84 Tier II reporting (2017 wastes) 2,142.00 1,893.23 \$ 8 Report 1 2,142.00 \$ \$ 1,893.23 \$ 248.77 15,000.00 9 Regulatory communications Pre-approved by 1 15,000.00 2,024.50 \$ 4,540.03 \$ 6,564.53 \$ 8,435.47 WDNR 2018 \$ 183,434.25 \$ 31,780.53 \$ 37,565.71 69,346.24 \$ 114,088.01 **Budget Total**