



Tel: 608-838-9120
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October 13, 2014

Mr. Jeff Ackerman
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Madison, Wisconsin 53711

**Re: Change Order Request
Former Highway Cleaners (BRRTs #02-22-543001)
1509 Elm Street - Boscobel, Wisconsin**

Dear Mr. Ackerman:

Seymour Environmental Services, Inc. recently submitted a report summarizing additional groundwater investigation and vapor sampling including passive, soil and sub slab sampling. Based on those results we are now requesting a change order for the following items:

- Sampling the existing monitoring well network and providing a letter report detailing the results (Table 1-\$5,185).
- Additional sub slab sampling at the subject site and the residential property located at the southeast corner of Elm and Dwight (Table 2-\$4,090).
- Conduct the previously approved sub-slab sampling at the adjacent buildings to the north and south to determine whether hazardous vapor may be accumulating at those sites. This will be done in conjunction with the additional sub slab sampling mentioned above.
- Installation of five water table monitoring wells and two piezometers followed by two rounds of groundwater monitoring (Table 3-\$33,680).

We have not requested the costs for vapor intrusion mitigation or soil remediation at this time. We plan to wait until we have conducted additional sub slab sampling to determine if additional properties will need mitigation. We may want to coordinate any soil remediation with system installation.

Additionally, I requested \$3,000 for geoprobe services in a previous change order based on unit rates from an earlier bid for this site. I re-bid the Geoprobe contractors and the new rates were slightly higher and we had to go ~10 feet deeper in each boring because the water level had dropped. Our Geoprobe bill came to \$3,711. Please call me at 608-838-9120 if you have any questions or would like additional information.

Sincerely,
Seymour Environmental Services, Inc.

Robyn Seymour, P.G.
Hydrogeologist

Enc. Cost Tables/Linking Spreadsheet

COST TABLE 1
Estimated Sub-Slab Vapor Assessment Costs

SAMPLING POINT INSTALLATION (1 new property)

PROFESSIONAL FEES

	Senior Hydrogeologist	Project Hydrogeologist	Field Geologist	Field Technician	CAD	Word Processing	Cost
Rate/hour	\$90	\$85	\$80	\$75	\$65	\$40	
Access Coordination		2			1		\$235
Field Work			8	8			\$1,240

Total \$1,475

DIRECT COSTS

	Unit Price	No. Units	Lump Sum	Cost
Mobilization				\$200.00
Probe Installation	\$25.00	2		\$50.00
Equipment/Consumables	\$75.00	2		\$150.00

Total \$400

Total Costs for Probe Installation \$1,875

VAPOR POINT SAMPLING (Confirmation at subject parcel and sampling at new property)

PROFESSIONAL FEES

	Senior Hydrogeologist	Project Hydrogeologist	Field Geologist	Field Technician	CAD	Word Processing	Cost
Rate/hour	\$90	\$85	\$80	\$75	\$65	\$40	
Field Work			8	8			\$1,240
Report/Recommendations		4			1	1	\$445

Total \$1,685

DIRECT COSTS

	Unit Price	No. Units	Lump Sum	Cost
Mobilization				\$200.00
OVM	\$75.00	1		\$75.00
Lab Fees				
Summa Canisters	\$75.00	5		\$375.00
Analysis (TO15)	\$175.00	5		\$875.00
Field Consumables	\$25.00	4		\$100.00

Total \$1,625

Total Costs for Vapor Sample Collection \$3,310

Total Estimated Cost for SubSlab Sampling \$5,185

COST TABLE 2
Groundwater Sampling Existing Network

Well Installation /Groundwater Sampling

PROFESSIONAL FEES

	Senior Hydrogeologis	Project Hydrogeologist	Field Geologist	Field Technician	CAD	Word Processing	Cost
Rate/hour	\$90	\$85	\$80	\$75	\$65	\$40	
Sample Existing Network			12	12			\$1,860
Waste Disposal Coordination		2					\$170
Letter Report		8			2		\$810

Total \$2,840

DIRECT COSTS

	Unit Price	No. Units	Lump Sum	Cost
Mobilization				\$200.00
Lab Fees				
VOCs (water)	\$75.00	8		\$600.00
Waste Disposal				\$250.00
Field Consumables	\$25.00	8		\$200.00

Total \$1,250

Total Costs for Groundwater Assessment \$4,090

COST TABLE 3
Estimated Monitoring Well and Groundwater Sampling Assessment Cost

Well Installation /Groundwater Sampling

PROFESSIONAL FEES

	Senior Hydrogeologist	Project Hydrogeologist	Field Geologist	Field Technician	CAD	Word Processing	Cost
Rate/hour	\$90	\$85	\$80	\$75	\$65	\$40	
Access Coordination		8			1		\$745
Drilling Oversight			40				\$3,200
GW Survey/Sampling			20	20			\$3,100
Reporting		20			4		\$1,960

Total \$9,005

DIRECT COSTS

	Unit Price	No. Units	Lump Sum	Cost
Mobilization				\$800.00
OVM	\$75.00	5		\$375.00
Drilling Costs				\$17,500.00
Lab Fees				
VOCs (water)	\$75.00	30		\$2,250.00
Waste Disposal (est.)				\$3,000.00
Field Consumables	\$25.00	30		\$750.00

Total \$24,675

Total Costs for Groundwater Assessment \$33,680

Site Name: **Former Highway Cleaners**

BRRTS #: **02-22-543001**

Type of Action: **Site Investigation+Interim Action**

TASKS	BUDGET							
	Bid / Budgeted Description	Bid / Budgeted Amount-Initial	Change Order #1	Change Order #2	Change Order #3	BUDGET REQUEST	Remaining Budget	Total Approved Budget
Consultant Costs								
SCOPING								
Coordination								
Drilling Oversight								
Reporting								
OVM								
SITE INVESTIGATION								
Coordination	\$ 320.00							\$ 320.00
Bidding	\$ 600.00							\$ 600.00
Geoprobe Oversight	\$ 1,200.00					\$ 300.00		\$ 1,200.00
Well Installation	\$ 2,100.00							\$ 2,100.00
Groundwater Sampling	\$ 2,600.00							\$ 2,600.00
Data Analysis	\$ 640.00							\$ 640.00
Report	\$ 3,320.00							\$ 3,320.00
Meetings/ Misc	\$ 1,600.00							\$ 1,600.00
Field Equipment/Consumables	\$ 500.00							\$ 500.00
Survey	\$ 750.00							\$ 750.00
Waste Disposal	\$ 400.00							\$ 400.00
Mileage	\$ 300.00							\$ 300.00
CHANGE ORDER 1								
Coordination		\$ 640.00					\$ -	\$ 640.00
Bidding							\$ 600.00	\$ -
Well Installation Oversight		\$ 1,800.00					\$ -	\$ 1,800.00
Groundwater Sampling		\$ 2,195.00					\$ 505.00	\$ 2,195.00
Data Analysis		\$ 80.00					\$ -	\$ 80.00
Report		\$ -					\$ 1,540.00	\$ -
Meetings/ Misc							\$ 880.00	\$ -
Sampling Equipment/Matls		\$ 281.00					\$ 469.00	\$ 281.00
Survey		\$ -					\$ 750.00	\$ -
Waste Disposal		\$ 600.00					\$ 400.00	\$ 600.00
CHANGE#2 - SI/VAPOR INTRUSION								
Geoprobe Coordination			\$ 145.00					\$ 145.00
Geoprobe Oversight			\$ 1,800.00					\$ 1,800.00
Geoprobe Reporting			\$ 970.00					\$ 970.00
Geoprobe Sampling Equipment			\$ 275.00					\$ 275.00
Subslab Coordination			\$ 545.00					\$ 545.00
Subslab Installation			\$ 1,120.00					\$ 1,120.00
Subslab Sampling			\$ 1,120.00					\$ 1,120.00
Subslab Reporting			\$ 1,160.00					\$ 1,160.00
Subslab Point Materials			\$ 525.00					\$ 525.00
Subslab Sampling Equipment			\$ 150.00					\$ 150.00
Passive Gas Access			\$ 225.00					\$ 225.00
Passive Gas Installation			\$ 1,120.00					\$ 1,120.00
Passive Gas Sampling			\$ 600.00					\$ 600.00
Passive Gas Reporting			\$ 1,160.00					\$ 1,160.00
Passive Gas Probe Equipment			\$ 500.00					\$ 500.00
Passive Gas Sampling Matls			\$ 210.00					\$ 210.00
BUDGET REQUEST - Oct 2014								
Vapor Intrusion Assessment								
Subslab Coordination					\$ 235.00			
Subslab Installation					\$ 1,240.00			
Subslab Sampling					\$ 1,240.00			
Subslab Reporting					\$ 445.00			
Subslab Point Materials					\$ 200.00			
Subslab Sampling Equipment					\$ 175.00			
Mobilization					\$ 400.00			
Groundwater Sample Round								
Groundwater Sampling					\$ 1,860.00			
Waste Disposal Coordination					\$ 170.00			
Report					\$ 810.00			
Field Equipment/Consumables					\$ 200.00			
Mobilization					\$ 200.00			
Groundwater Assessment/Monitoring								
Coordination					\$ 745.00			
Well Installation Oversight					\$ 3,200.00			
Mobilization					\$ 400.00			
Groundwater Sampling					\$ 3,100.00			
Report					\$ 1,960.00			
Drilling OVM					\$ 375.00			
Sampling Equipment/Matls					\$ 750.00			
Mobilization					\$ 400.00			\$ 400.00
Consultant Cost Total	\$ 14,330.00	\$ 5,596.00	\$ 11,625.00		\$ 18,105.00	\$ 5,444.00		\$ 31,951.00
Sub-Contractor Costs								
SCOPING								
Geoprobe						\$ -		\$ -
Analytical								\$ -
SITE INVESTIGATION								
Geoprobe	\$ 1,500.00							\$ 1,500.00
Well Drilling	\$ 10,000.00							\$ 10,000.00
Analytical	\$ 2,520.00							\$ 2,520.00
CHANGE ORDER 1								
Geoprobe		\$ -					\$ 510.00	
Well Drilling		\$ 5,857.00					\$ 1,143.00	\$ 5,857.00
Analytical		\$ 770.00					\$ 140.00	\$ 770.00
CHANGE#2 - SI/VAPOR INTRUSION								
Geoprobe			\$ 3,000.00					\$ 3,000.00
Analytical (soil and Groundwater)			\$ 900.00					\$ 900.00
Analytical (vapors)			\$ 1,750.00					\$ 1,750.00
Analytical (passive gas)			\$ 3,500.00					\$ 3,500.00
BUDGET REQUEST - Oct 2014								
Vapor Intrusion Assessment								
Analytical (vapors)					\$ 1,250.00			
Groundwater Sample Round								
Analytical (groundwater)					\$ 600.00			
Waste Disposal (groundwater)					\$ 250.00			
Groundwater Assessment/Monitoring								
Well Drilling					\$ 17,500.00			
Analytical (groundwater)					\$ 2,250.00			
Waste Disposal					\$ 3,000.00			
Sub-Contractor Cost Total	\$ 14,020.00	\$ 6,627.00	\$ 9,150.00		\$ 24,850.00	\$ 1,793.00		\$ 29,797.00
DERF ELIGIBLE SUB-TOTALS	\$ 28,350.00	\$ 12,223.00	\$ 20,775.00		\$ 42,955.00	\$ 7,237.00		\$ 61,748.00