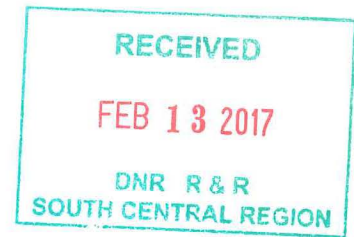




Seymour

Environmental Services, Inc.



Tel: 608-838-9120

February 8, 2017

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

**Re: Change Order Request #4-adjusted
Former Highway Cleaners (BRRTs #02-22-543001)
1509 Elm Street - Boscobel, Wisconsin**

Dear Mr. Ackerman:

Seymour Environmental Services, Inc. submitted a report in June 2016 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 as outlined in your response letter:

- Install one additional monitoring well to the northwest of MW-10 so that the extent of the contamination exceeding the NR140 Enforcement Standard is delimited and sampling the monitoring well network twice and providing a letter report detailing the results (\$13,630).
- Install a sub-slab depressurization system at the building on the site to alleviate the accumulation of hazardous vapors below, and potentially inside, the building (\$3,840).
- The contaminated soil around and under the building should be treated or removed. Soil vapor extraction (SVE) is probably the most effective way to remove the PCE from the soil. A pilot test will be performed to determine SVE viability and establish criteria for system design (\$2,535).

We have not requested the costs for soil remediation at this time. We plan to wait until we have conducted pilot testing for in-situ remediation of the impacted soils using SVE so that we can provide an accurate estimate of system design and costs. This will likely be done between the sampling rounds to keep this moving toward closure.

The total cost for the requested activities is \$20,005. We have included tables outlining costs at the site. Please call if you have any questions regarding the budget request or other activities at the site.

Sincerely,
Seymour Environmental Services, Inc.

Robyn Seymour

Robyn Seymour, P.G.
Hydrogeologist

Enc. Budget Request Table
Project Budget Summary Table
Linking Spreadsheet

Seymour Environmental 2531 Dyreson Road P.O. Box 398 McFarland, WI 53558

CHANGE ORDER #4 REQUEST
FORMER HIGHWAY CLEANERS
Boscobel, WI

Vapor Mitigation (source 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		1						\$85
Field Work-Installation			6					\$480
Field Work-Sampling			5					\$400
Report/Recommendations		2			1	1		\$275
							Total	\$1,240
DIRECT COSTS								
	Unit Price	No. Units	Lump Sum	Cost				
Mobilization	\$100.00	2		\$200.00				
Equipment (manometer)	\$25.00	1		\$25.00				
OVM	\$75.00	1		\$75.00				
Field Consumables	\$25.00	1		\$50.00				
Vapor Mitigation Install (est)				\$2,000.00				
Lab Fees								
Analysis (TO15)	\$250.00	1		\$250.00				
			Total	\$2,600				
Total Costs for Mitigation System Installation								\$3,840
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		2			1			\$235
Drilling Oversight			10					\$800
GW Survey/Sampling			24	24				\$3,720
Reporting		12			2			\$1,150
							Total	\$5,905
DIRECT COSTS								
	Unit Price	No. Units	Lump Sum	Cost				
Mobilization	100	3		\$300.00				
OVM	\$75.00	1		\$75.00				
Drilling Costs				\$3,500.00				
Lab Fees								
VOCs (water)	\$75.00	34		\$2,550.00				
Waste Disposal (est.)				\$500.00				
Field Consumables	\$25.00	32		\$800.00				
			Total	\$7,725				
Total Costs for Groundwater Assessment								\$13,630
SVE Pilot Testing								
PROFESSIONAL FEES								
	Senior Hydrogeologist	Project Hydrogeologist	Field Geologist	Field Technician	CAD	Word Processing	Cost	
Rate/hour	\$90	\$85	\$80	\$75	\$65	\$40		
Field Work			10	10				\$1,550
Reporting		8			2			\$810
							Total	\$2,360
DIRECT COSTS								
	Unit Price	No. Units	Lump Sum	Cost				
Mobilization	\$100.00	1		\$100.00				
OVM	\$75.00	1		\$75.00				
			Total	\$175				
Total Costs for SVE Pilot Test								\$2,535
TOTAL FOR CHANGE ORDER #4	\$20,005							

