

September 5, 2008

Mr. David G. Volkert, P.G.
Wisconsin Department of Natural Resources
Bureau for Remediation and Redevelopment
Waukesha Service Center
141 NW Barstow Street, Room 180
Waukesha, WI 53188



Project Reference #9956

RE: Cost Estimate for Additional Investigation
Former Dutch Maid Cleaners
701 East Geneva Street
Delavan, Wisconsin

BRRTS #02-65-354526

Dear Mr. Volkert:

On July 31, 2008, the Wisconsin Department of Natural Resources (WDNR) reviewed the project file regarding the site investigation activities completed at the Former Dutch Maid Cleaners, 701 East Geneva Street, Delavan, Wisconsin (hereafter the "Property"). Your review of the site investigation work completed to date determined that additional work is required before the WDNR will consider the site investigation complete. The WDNR list of the items that need to be completed is as follows:

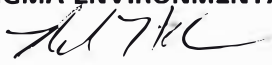
- 1) Sample all of the monitoring wells and the piezometer for volatile organic compounds (VOCs). Update the historic groundwater analytical results table.
- 2) Revise the Soil Quality and Isoconcentration map by incorporating the data collected by Drake Environmental, Inc. that is included in the June 24, 2003 *Closure Request/Remedial Investigation Report*.
- 3) Well construction reports for the closest municipal supply wells were provided in the SIR, but the location of these wells was not identified. Provide a map showing the location of the supply wells within 1200 feet of the Property.
- 4) Evaluate whether the tetrachloroethene contamination poses a vapor intrusion threat to the building at the site. If necessary, collect sub-slab vapor samples.


As requested, a cost estimate for the aforementioned tasks is provided in **Table 1**. Included in the cost estimate is preparation of a summary report to document the additional findings. Sigma is requesting WDNR approval of **\$7,995.00** for the additional items required by the WDNR as the additional phase of the investigation

If you have any questions, please call me at (414) 643-4126.

Respectfully submitted,

SIGMA ENVIRONMENTAL SERVICES, INC.


Mark H. Krueger, P.G., P.H.
Senior Project Hydrogeologist


Randy E. Borress, P.G.
Manager- Geosciences Group

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Attachments

TABLE 1
COST ESTIMATE
FOR ADDITIONAL SITE INVESTIGATION ACTIVITIES
FORMER DUTCH MAID CLEANERS
701 EAST GENEVA STREET
DELAVAN, WISCONSIN
Project Reference #9956

	Item Description	Unit Price	Quantity	Units	Total Cost
TASK 1	Revise Soil Isoconcentration Map				
	Sr Hydrogeologist	\$ 125.00	2	hour	\$250.00
	CADD	\$ 75.00	2	hour	\$150.00
	Subtotal Task 1				\$400.00
TASK 2	Vapor Intrusion Evaluation				
	Senior Hydrogeologist	\$ 125.00	4	hour	\$500.00
	Staff Hydrogeologist	\$ 75.00	12	hour	\$900.00
	Equipment / Supplies				
	Core barrel	\$ 250.00	1	day	\$250.00
	PID	\$ 75.00	1	day	\$75.00
	Air Analytical				
	VOCs	\$ 300.00	3	sample	\$900.00
Subtotal Task 2				\$2,625.00	
TASK 3	Locating Municipal Supply Wells and CADD Map Creation				
	Senior Hydrogeologist	\$ 125.00	2	hour	\$250.00
	CADD Technician	\$ 75.00	2	hour	\$150.00
Subtotal Task 3				\$400.00	
TASK 4	Groundwater Sampling				
	Senior Project Manager	\$ 125.00	2	hour	\$250.00
	Field Technician	\$ 75.00	11	hour	\$825.00
	Equipment / Supplies				
	Drums	\$ 30.00	2	drum	\$60.00
	WLI	\$ 15.00	1	day	\$15.00
	Bailer Kits	\$ 15.00	7	each	\$105.00
	Groundwater Analytical				
	VOCs	\$ 60.00	7	sample	\$420.00
	VOCs, Dup 1	\$ 60.00	1	sample	\$60.00
	VOCs, Equip 1	\$ 60.00	1	sample	\$60.00
	VOCs, Trip 1	NC			NC
	Groundwater Disposal to POTW				
Field Technician	\$ 75.00	3	hour	\$225.00	
Subtotal Task 4				\$2,020.00	
TASK 5	Additional Site Investigation Summary Report				
	Senior Hydrogeologist	\$ 125.00	10	hour	\$1,250.00
	Staff Hydrogeologist	\$ 125.00	10	hour	\$1,250.00
	CADD Technician	\$ 75.00	6	hour	\$450.00
Subtotal Task 5				\$2,950.00	
TOTAL COST ESTIMATE					\$7,995.00