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**Shaw Environmental, Inc.**

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**Shaw**™ Shaw Environmental, Inc.

April 19, 2006

Mr. Sam Gruichich  
Redi-Quick Dry Cleaning  
9508 West Greenfield Avenue  
West Allis, Wisconsin 53214

**Re: Proposal: Supplementary Subsurface Investigation  
Redi-Quick Dry Cleaners  
9508 West Greenfield, West Allis, Wisconsin  
Shaw Project # 100801**

Dear Mr. Gruichich:

On April 18, 2006, Reinhart Boerner Van Deuren, S.C. (Reinhart) requested that Shaw Environmental, Inc. (Shaw) prepare a scope of work and cost estimate for Supplementary Subsurface Investigation (SSI) at your facility referenced above.

The purpose of the SSI is to characterize contaminated soils between the Redi-Quick building and Dauer residence (1361 S. 95th Street), and evaluate current groundwater geochemical conditions prior to remediation. A brief project background, scope of work and associated cost estimate for SSI activities are presented in the following sections.

**PROJECT BACKGROUND**

In May 2005, Shaw prepared a Remedial Action Plan (RAP) for the chlorinated hydrocarbon soil and groundwater contamination at the Redi-Quick property. The RAP consisted of the SSI activities presented herein, the characterization, excavation and subsequent disposition of contaminated soils beneath the drive way, the addition of an electron donor amendment, and the implementation of a two year, quarterly groundwater monitoring program to document contaminant attenuation.

In February and March 2005, Mr. Henry Nehls-Lowe from the Department of Health and Family Services (DHFS) performed indoor air quality monitoring at the Dauer residence and perchloroethylene at concentrations of 34 and 74 parts per billion (ppb) in air samples collected from the basement, and at concentrations of 27 and 29 ppb in samples collected from the kitchen and bedroom, respectively.

In subsequent discussions, Reinhart, DHFS and the Wisconsin Department of Natural Resources (WDNR) agreed that an interim action for vapor intrusion mitigation be performed in the Dauer residence in conjunction with continued vapor intrusion monitoring. Vapor intrusion monitoring was also proposed for the Pokos residence (1349 S. 95th Street) which is located immediately north of the Dauer residence.

## **SCOPE OF WORK**

Based on Shaw's discussions with Reinhart, the following scope of services is proposed:

- Prepare a site specific health and safety plan (HASP) in accordance with 29 CFR 1912. The HASP will provide information to ensure the health and safety of all participants working on the project;
- To confirm groundwater quality and evaluate geochemical conditions prior to remediation, groundwater samples will be collected from the following monitoring wells and piezometers: MW2, MW8, MW10/PZ10, MW11, MW12 and PZ20. Groundwater samples will be submitted for volatile organic compounds (VOCs), nitrogen/nitrate, soluble iron, and sulfate laboratory analysis. The groundwater samples will be collected using low-flow sampling techniques. Dissolved oxygen, oxidation-reduction potential, conductivity, and temperature will be recorded from each monitoring well sampled using a down-hole probe;
- In order to properly characterize soils for off-site disposal (hazardous vs. non-hazardous), ten GeoProbes® will be installed to approximately 16-feet below ground surface (bgs) in a grid across the driveway of the 1362 N. 95th Street residence. Soils will be collected continuously and field screened with a photoionization detector during GeoProbe® advancement. Soil samples will be submitted for VOC laboratory analysis. To evaluate hazardous characteristics of the soil samples, up to eight soil samples will be submitted for toxicity characteristic leaching procedure (TCLP) laboratory analysis. The laboratory analysis will enable Shaw to develop a soil management plan for hazardous and non-hazardous soils based on the contained-out policy described in the WDNR draft guidance document titled, "Guidance for Hazardous Waste Remediation", dated November 21, 2002. Also, a remedial action cost proposal can be formalized based on the calculated volumes of hazardous and non-hazardous soils;
- Provide project management and peer review.

## **COST PROPOSAL**

Costs associated with the interim action of the Dauer and Pokos residences are eligible for reimbursement under the Dry Cleaner Environmental Response Program.

The estimated cost to execute the proposed scope of work as described herein is approximately \$12,064.00. In accordance with NR 169.21(3)(a), the cost breakdown is presented on the attached Table 1.

## **CERTIFICATE OF INSURANCE**

This proposal has been prepared in accordance with the requirements of NR 169.23. In accordance with NR 169.23(6), Shaw certifies the following:

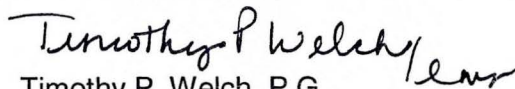
- If selected to complete the scope of work described herein, Shaw will comply with the applicable requirements of Chapters NR 169 and Chapters NR 700 to NR 728 of the Wisconsin Administrative Code.
- Shaw will make available to the WDNR upon request, for inspection and copying, all of the documents and records related to the contract services.


**CLOSING**

Shaw appreciates the opportunity to provide this proposal for Supplementary Subsurface Investigation. As Shaw's authorization to proceed, please sign and return one copy of the attached Professional Service Agreement (PSA). The second copy is for your records.

If you have any questions or require additional information, please contact us at 414-291-2350.

Sincerely,  
**SHAW ENVIRONMENTAL, INC.**

  
Timothy P. Welch, P.G.  
Project Manager

  
Paul Zovic  
District Manager

TPW:lms

Enclosure: Professional Service Agreement (2)  
Table 1: Cost Estimate-Supplementary Subsurface Investigation

Cc: Mr. Don Gallo-Reinhart Boerner

Table 1  
 Cost Estimate: Supplemental Subsurface Investigation  
 Redi-Quick Dry Cleaners  
 West Allis, Wisconsin

<u>Task</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Rates</u>	<u>Subtotal</u>
<b><u>CONSULTING SERVICES</u></b>				
<b>SUBCONTRACTOR PROCUREMENT &amp; UTILITY CLEARANCE</b>				
Office Support	3	hrs	\$57.00	\$171.00
CAD Operator	1	hrs	\$68.00	\$68.00
Staff Scientist	4	hrs	\$76.00	\$304.00
Project Manager	4	hrs	\$129.00	\$516.00
			<b>Subtotal</b>	<b>\$1,059.00</b>
<b>GEOPROBE SOIL BORING INSTALLATION</b>				
Office Support	1		\$57.00	\$57.00
Staff Scientist	14	hrs	\$76.00	\$1,064.00
Project Manager	6	hrs	\$129.00	\$774.00
Mileage	30	miles	\$0.50	\$15.00
PID	1	day	\$75.00	\$75.00
			<b>Subtotal</b>	<b>\$1,985.00</b>
<b>GROUNDWATER SAMPLE COLLECTION</b>				
Office Support	1	hrs	\$57.00	\$57.00
Staff Scientist	12	hrs	\$76.00	\$912.00
Project Manager	3	hrs	\$129.00	\$387.00
Mileage	30	miles	\$0.50	\$15.00
Equipment & Expenses	1	Ls	\$300.00	\$300.00
			<b>Subtotal</b>	<b>\$1,671.00</b>
<b>DATA REDUCTION &amp; WASTE CHARACTERIZATION</b>				
Office Support	3	hrs	\$57.00	\$171.00
CAD Operator	8	hrs	\$68.00	\$544.00
Staff Scientist	12	hrs	\$76.00	\$912.00
Project Manager	8	hrs	\$129.00	\$1,032.00
			<b>Subtotal</b>	<b>\$2,659.00</b>
<b>Total: Shaw Environmental, Inc.</b>				<b>\$7,374.00</b>
 <b><u>SUBCONTRACTOR SERVICES</u></b>				
<b><i>Subcontracted Drilling - Geoprobe Installation</i></b>				
Mobilization/Demobilization	1	lump sum	\$200.00	\$200.00
Drilling	160	feet	\$8.00	\$1,280.00
Decontamination	1	day	\$175.00	\$175.00
Expendables	1	day	\$75.00	\$75.00
Abandonment	160	feet	\$1.00	\$160.00
<b>Total: Geoprobe Contractor</b>				<b>\$1,890.00</b>
 <b><i>Subcontracted Analytical Services</i></b>				
<b>Soil Samples</b>				
Volatile Organic Compounds	10	each	\$80.00	\$800.00
TCLP-Volatile Organic Compounds	8	each	\$130.00	\$1,040.00
 <b>Groundwater Samples</b>				
Volatile Organic Compounds	9	each	\$80.00	\$720.00
Sulfate	8	each	\$10.00	\$80.00
Nitrate-nitrite	8	each	\$10.00	\$80.00
Soluble Iron	8	each	\$10.00	\$80.00
<b>Total: Laboratory</b>				<b>\$2,800.00</b>
<b>Total: Estimated Subcontractor Cost</b>				<b>\$4,690.00</b>
<b>Total Estimated Project Cost</b>				<b>\$12,064.00</b>

**Notes:** Subcontract Costs are good faith estimates, actual costs will be generated via competitive bid process