

April 10, 2006

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



**Re: Proposal: Vapor Mitigation Evaluation & Indoor Air Quality Monitoring  
1361 S. 95<sup>th</sup> Street & 1349 S. 95<sup>th</sup> Street, West Allis, Wisconsin**

Dear Mr. Gruichich:

On March 29, 2006, Reinhart Boerner Van Deuren, S.C. (Reinhart) requested that Shaw Environmental, Inc. (Shaw) prepare a scope of work and cost estimate for Tetrachloroethylene (PCE) vapor mitigation and indoor air quality monitoring at the residences referenced above. Based on discussions between Reinhart, the Wisconsin Department of Health and Family Services (DHFS) and the Wisconsin Department of Natural Resources (WDNR), the proposed work will be performed as an interim action for the Dry Cleaner Repair Fund (DERF) program related activities at the Redi-Quick Dry Cleaners facility located at 9508 West Greenfield Avenue, West Allis, Wisconsin.

#### **PROJECT BACKGROUND**

The Dauer residence (1361 S. 95<sup>th</sup> Street) is located approximately 40 feet north of the Red-Quick Dry Cleaners facility, where a Site Investigation has documented chlorinated hydrocarbon soil and groundwater contamination. In February and March 2005, Mr. Henry Nehls-Lowe from the DHFS performed indoor air quality monitoring at the Dauer residence and found PCE 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 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. 95<sup>th</sup> Street) which is located immediately north of the Dauer residence.

## SCOPE OF WORK

Based on Shaw's discussions with DHFS and 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;
- Install a vapor intrusion abatement system in the Dauer residence. The active fan mitigation system will use sub-slab depressurization to vent potential fumes above the roof eave;
- Initiate the following program for vapor intrusion monitoring:

### Dauer Residence

Collect one (1) air sample from the basement and one (1) air sample from the bedroom bi-monthly for one year (six events). The air samples will be collected using a 6 Liter Summa canister for 24 hours, and submitted for EPA method TO-14 laboratory analysis.

### Pokos Residence

Collect one (1) air sample from the basement bi-monthly for one year (maximum six events). The air samples will be collected using a 6 Liter Summa canister for 24 hours, and submitted for EPA method TO-14 laboratory analysis.

Please Note: Based on the high analytical costs of summa canisters, Shaw will consult with DNR and DHFS personnel if analytical results indicate that charcoal tube sampling can be used if initial results are low.

- Document the installation and operation of the vapor abatement system, and present the results of the Interim Action in a letter report to the WDNR. The report will include tables, figures and recommendations;
- 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 DERP.

The estimated cost to execute the proposed scope of work as described herein is approximately \$24,632.00. This cost includes project management, vapor intrusion system installation, indoor air quality monitoring, regulatory correspondence and reporting. Accordance with NR 169.21(3)(a), the cost breakdown is presented on 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 WAC.
- Shaw will make available to the WDNR upon request, for inspection and copying, all of the documents and records related to the contract services.

Also in accordance with NR 169.23(6), a copy of Shaw's *Certificate of Insurance* is presented in Appendix A.

**CLOSING**

Shaw appreciates the opportunity to provide this proposal for vapor mitigation and indoor air quality monitoring at the Dauer and Pokos residences. 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:msd

Enclosure: Professional Service Agreement (2)

Cc: Mr. Don Gallo-Reinhart Boerner  
Mr. Jeff Soellner- WDNR

Table 1  
 Cost Estimate: Vapor Mitigation & Indoor Air Quality Monitoring  
 Dauer Residence & Pokos Residence  
 West Allis, Wisconsin

<u>Task</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Rates</u>	<u>Subtotal</u>
<b><u>CONSULTING COST'S</u></b>				
<b>HEALTH &amp; SAFETY PLAN PREPARATION</b>				
Office Support	3	hrs	\$57.00	\$171.00
CAD Operator	1	hrs	\$68.00	\$68.00
Staff Scientist	8	hrs	\$76.00	\$608.00
Project Manager	1	hrs	\$129.00	\$129.00
			<b>Subtotal</b>	<b>\$976.00</b>
<b>RESIDENCE ASSESSMENT/WORKPLAN PREPARATION</b>				
Office Support	2		\$57.00	\$114.00
Staff Scientist	5	hrs	\$76.00	\$380.00
Project Manager	12	hrs	\$129.00	\$1,548.00
Mileage	30	miles	\$0.50	\$15.00
PID	1	day	\$75.00	\$75.00
			<b>Subtotal</b>	<b>\$2,132.00</b>
<b>VAPOR MITIGATION SYSTEM INSTALLATION</b>				
Office Support	4	hrs	\$57.00	\$228.00
Staff Scientist	12	hrs	\$76.00	\$912.00
Project Manager	8	hrs	\$129.00	\$1,032.00
Mileage	60	miles	\$0.50	\$30.00
PID	2	day	\$75.00	\$150.00
			<b>Subtotal</b>	<b>\$2,352.00</b>
<b>INDOOR AIR QUALITY MONITORING (Six Events)</b>				
Staff Scientist	48	hrs	\$76.00	\$3,648.00
Project Manager	10	hrs	\$129.00	\$1,290.00
Mileage	360	miles	\$0.50	\$180.00
			<b>Subtotal</b>	<b>\$5,118.00</b>
<b>DATA ANALYSIS, REPORT PREPARATION &amp; PROJECT MANAGEMENT</b>				
Office Support	6	hrs	\$57.00	\$342.00
Staff Scientist	20	hrs	\$76.00	\$1,520.00
Project Manager	12	hrs	\$129.00	\$1,548.00
Risk Assessor	10	hrs	\$160.00	\$1,600.00
CAD Operator	8	hrs	\$68.00	\$544.00
			<b>Subtotal</b>	<b>\$5,554.00</b>
<b>Total: Shaw Environmental, Inc.</b>				<b>\$16,132.00</b>
<b><u>SUBCONTRACTOR COST'S</u></b>				
<b>VAPOR MITIGATION CONTRACTOR</b>				
Mobilization/Demobilization	1	lump sum	\$1,300.00	\$1,300.00
<b>Total Vapor Mitigation Contractor</b>				<b>\$1,300.00</b>
<b>LABORATORY ANALYTICAL</b>				
Air Samples				
Volatile Organic Compounds	18	each	\$400.00	\$7,200.00
<b>Total Laboratory</b>				<b>\$7,200.00</b>
<b>Total: Estimated Subcontractor Cost</b>				<b>\$8,500.00</b>
<b>Total Estimated Project Cost</b>				<b>\$24,632.00</b>