



Received  
12/18/2001

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December 17, 2001

Binyoti F. Amungwafor  
Wisconsin Department of Natural Resources  
2300 N. Dr. Martin Luther King, Jr. Drive  
P.O. Box 12436  
Milwaukee, Wisconsin 53212-0436

**Re: Additional Site Investigation Activities  
Redi-Quick Cleaners, 9508 W. Greenfield Ave. West Allis, Wisconsin  
BRRTs No. 02-41-000676  
FID No. 241170490  
Envirogen Project No. P000076**

Dear Mr. Amungwafor:

The purpose of this letter is to outline the additional steps that will be necessary to define the extent of soil and groundwater contamination caused by the release of dry cleaning chemicals at the above listed site. The need for additional site investigation activities was discussed between yourself and former Envirogen, Inc. (Envirogen) project manager Ms. Laura Payne and in your letter to Mr. Gruichich dated October 3, 2001.

Based on the topography in the immediate vicinity of the site and the presence of an east flowing intermittent stream located directly to the east of the site, the groundwater flow direction at the site is most likely to the east. The high level of tetrachloroethene (PCE) in monitoring well MW-10 when compared to MW-12 also indicates a groundwater flow direction to the east. Groundwater level measurements collected from monitoring wells on-site do not show a detectable groundwater flow direction. This is most likely due to the fine grained soils on-site not having a high level of communication within the subsurface formation which greatly reduces groundwater flow velocity, making groundwater flow determinations using groundwater elevations in monitoring wells difficult.



Envirogen believes that piezometer PZ-10, located to the east of the solvent underground storage tank (UST), is located down gradient of the source area, therefore an additional down gradient piezometer is not required. Also note that the monitoring well with the highest levels of PCE, MW-10, is located directly adjacent to PZ-10 (which does not have detectable concentrations of PCE).

Envirogen proposes the following additional site investigation activities to complete the definition of the extent of solvent contamination:

- Installation of a piezometer adjacent to the solvent UST to define the vertical extent of groundwater impacts at the source area.
- Installation of a groundwater table monitoring well approximately 30 feet north of MW-11 to ensure that groundwater contamination is not migrating offsite between MW-11 and MW-13. Soil samples will also be collected from this location to define the easterly extent of soil impacts.
- Installation of four Geoprobe borings, one near the northeast corner and one near the southwest corner of the house located at 1361 95<sup>th</sup> Street, and two borings on the south side of the Redi-Quick Cleaners building to define the extent of soil impacts to the north, south and west.

Figure 1 shows the locations of the proposed borings and monitoring wells.

The soil and groundwater samples will be analyzed for volatile organic compounds (VOC) only. Our client, Mr. Sam Gruichich, is only responsible for the release of solvents related to the dry cleaner operations. The Dry Cleaners Environmental Response Program (DERP), in which the client is enrolled, will only pay for the investigation and remediation of dry cleaner solvent releases. The additional laboratory parameters you recommend for sampling in your October 3, 2001 letter pertain to releases from petroleum USTs that have been investigated under a separate release and a different responsible party. The responsible party for the petroleum UST release should be contacted regarding any additional definition of petroleum impacts.

Once you approve of the additional site investigation activities outlined in this letter, and the costs are approved by the DERP program, Envirogen will implement the tasks without delay.



Please call me at (262) 549-6898 if you have any question. Please note that I am now the Envirogen project manager for this project.

Sincerely,  
**ENVIROGEN, INC.**

A handwritten signature in black ink that reads "Matthew R. Giovanelli".

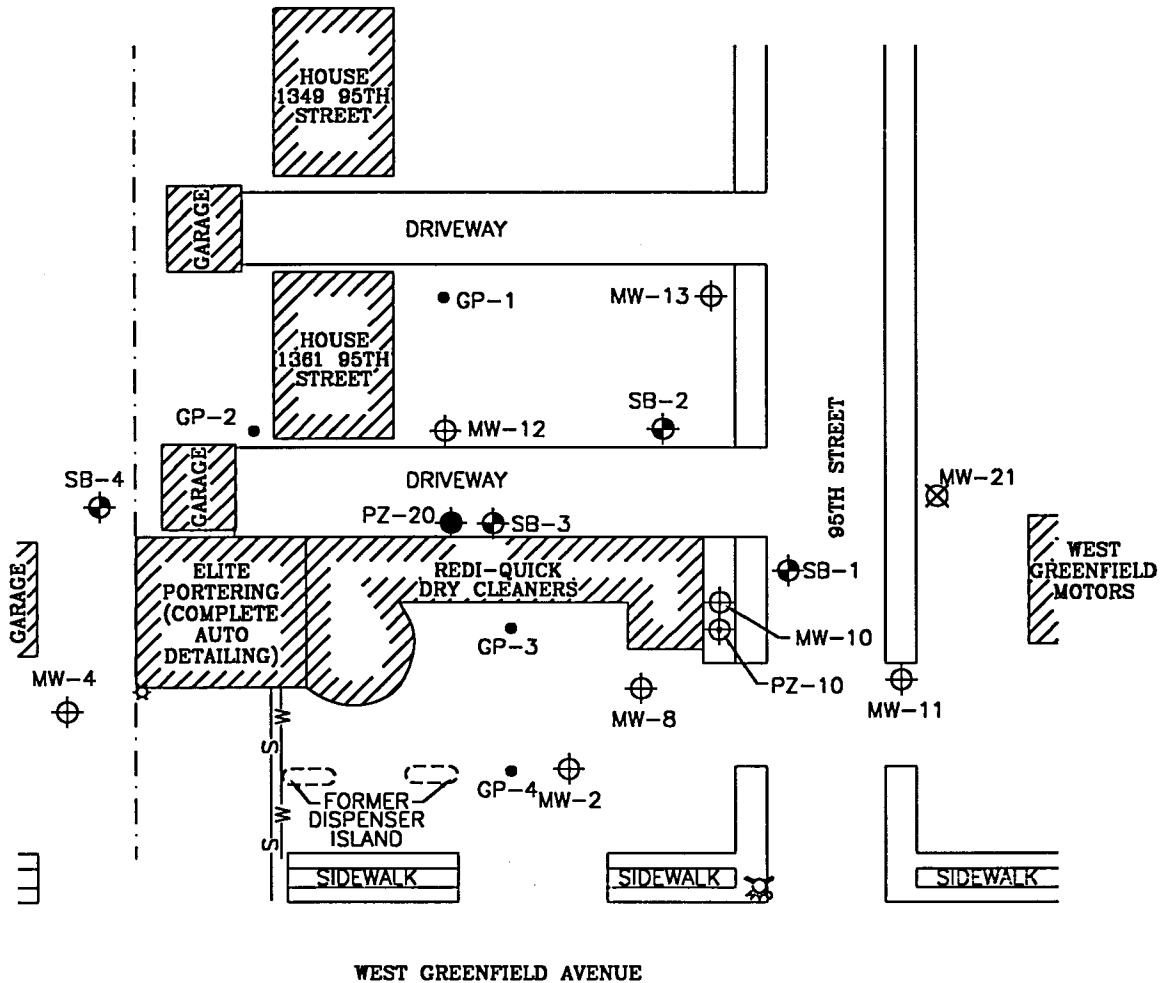
Matthew R. Giovanelli, P.G., CHMM  
Senior Geologist

cc: Sam Gruichich

MRG:lrc

**LEGEND**

- - - - - APPROXIMATE PROPERTY BOUNDARY
- UNDERGROUND STORAGE TANK (UST)
- ⊕ MONITORING WELL
- ⊕ TEST BORING, DRILLED 5/19/99 BY JJS & ASSOCIATES
- ⊕ PIEZOMETER
- ⊕ LIGHT POLE
- ⊕ HYDRANT
- W — WATER LINE
- S — SEWER LINE
- ⊗ PROPOSED GROUNDWATER MONITORING WELL
- ⊕ PROPOSED PIEZOMETER
- PROPOSED GEOPROBE



	ENGINEER	DATE
	ENGINEER	DATE
	REVISIONS:	
	APPROVED BY: <i>MZ</i>	
	CHECKED BY:	
	06/22/01	RRT
	DRAWN BY:	
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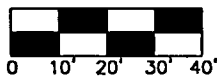


**ENVIROGEN**

COST EFFECTIVE LEADERSHIP FOR A CLEANER ENVIRONMENT

2835 North Grandview Blvd.  
Pewaukee, Wisconsin 53072-0090

SCALE



PROPOSED GROUNDWATER MONITORING WELL  
LOCATIONS AND GEOPROBE BORINGS  
REDI-QUICK DRY CLEANERS SITE  
WEST ALLIS, WISCONSIN

FIGURE NO.

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