



Mr. Dave Szymanski  
New York State Department of Environmental Conservation  
270 Michigan Avenue  
Buffalo, New York 14203

Subject:  
Revised Work Plan for Off-Site Groundwater Sampling, ARO Corporation Site,  
Cheektowaga, New York (Site No. 915147)

Dear Mr. Szymanski:

On behalf of Ingersoll Rand, ARCADIS prepared this letter to revise the May 21, 2009 *Work Plan for Off-Site Groundwater Sampling, ARO Corporation Site, Cheektowaga, New York* and our letter amending the work plan dated November 25, 2009. The work plan was prepared to supplement the on-going Soil Vapor Investigation (SVI) at the ARO Corporation site. The purpose of the supplemental off-site investigation was to evaluate whether groundwater in the vicinity of two households near the site (3745 and 3707 Broadway Street) has detectable concentrations of site-related VOCs. The purpose of this letter is to revise the work plan to include basement sump sampling at 3745 and 3707 Broadway Street. This revision is as requested by your office during our December 18, 2009 conference call.

Ingersoll Rand has agreed to re-sample the sump water at the 3745 and 3707 Broadway Street residences. Similar to the data that was collected by NYSDOH in 1991 and 1992, the samples will be analyzed for site-related VOCs. It was agreed to with NYSDEC and NYSDOH during our December 18, 2009 conference call that if the results from this upcoming sampling event are non-detect, no additional water or vapor sampling would be required to be completed in or around these homes.

### **Scope of Work**

### **Access Agreements**

To begin this process, ARCADIS will request that the homeowners provide written authorization to allow access to perform the sampling via a self-addressed, pre-stamped envelope sent by certified mail. We will subsequently contact them to make appointments to collect the groundwater basement sump samples. The NYSDEC will be copied on communication with the homeowners.

ARCADIS  
465 Karner Road  
First Floor  
Albany, New York 12205  
Tel 518.452.7826  
Fax 518.452.7086  
**[www.arcadis-us.com](http://www.arcadis-us.com)**

ENVIRONMENTAL

Date:  
January 15, 2009

Contact:  
Marc Sanford

Phone:  
518.452.7826 x15

Email:  
[marc.sanford@arcadis-us.com](mailto:marc.sanford@arcadis-us.com)

Our reference:  
AY000220.0013

**Groundwater Sampling**

The sump samples will be collected directly from the water in the sump pit or drain if accessible. If necessary, a clean unused section of 3/8 inch polyethylene tubing fitted with a stainless steel check valve or a disposable polyethylene bailer will be used to collect the samples from the sump pit. The polyethylene tubing will be oscillated up and down to pump the water to the surface for the collection of groundwater samples.

Groundwater samples collected from each sump will be submitted for laboratory analysis of site-related VOCs (TCE, DCE, and vinyl chloride) by USEPA Method 8260 at a requested detection limit of 1 ug/L. The groundwater samples will be placed in a cooler and submitted to Columbia Analytical Services in Rochester, New York, with a standard turnaround time.

**Quality Assurance/Quality Control**

One duplicate sample will be collected during the sump sampling event. Following the receipt of laboratory data, a review of the deliverables (independent of the analytical laboratory) will be completed according to the guidelines established by NYSDEC for Data Usability Summary Review (DUSR). A DUSR report will be prepared for the sample data package prepared by the laboratory. This DUSR report will be appended to the summary report (as described below).

**Summary Report Preparation**

Following completion of the sampling event, the laboratory analytical results will be presented in a summary letter report. The final report will include a figure showing sample locations, sampling method, and discussion of the analytical results for the sump samples.

**Schedule**

ARCADIS will initiate field activities within 30 days of NYSDEC approval of this modified Work Plan, pending access from the property owners. A summary letter report will be provided to NYSDEC within 30 days of the receipt of analytical data from the laboratory.

Please contact me if you have any questions or require additional information

Sincerely,

ARCADIS



Marc W. Sanford  
Project Manager

Copies:

Dawn Horst – Ingersoll Rand  
Cameron O'Connor – NYSDOH