

December 9, 2005

Mr. Frank Sowers, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road
Avon, New York 14414-9519

**RE: REVISED WORK PLAN ADDENDUM
CHURCHVILLE FORD SITE #V00658-8
VILLAGE OF CHURCHVILLE, MONROE COUNTY, NEW YORK**

Dear Mr. Sowers:

ENTRIX, Inc. (ENTRIX) is pleased to provide this Work Plan Addendum on behalf of Mr. Antonio Gabrielle and Mr. Joseph Ognibene (Volunteers) for the review and approval of New York State Department of Environmental Conservation (NYSDEC). This Addendum was prepared pursuant to the Voluntary Cleanup Agreement (Index # BB-0540-03-09) between NYSDEC and the Volunteers, effective October 9, 2003, for the above referenced site, and based on meetings, correspondence, and a telephone conference between NYSDEC and ENTRIX. The scope of work proposed herein is submitted as an addendum to the November 2003, and March 2004 Revised Investigation Work Plan.

NYSDEC has requested that the Volunteers provide survey coordinates (vertical and horizontal) for all of the borings and wells that have been completed at the site. All of the survey data needs to be in NGVD 88' and NAD 83'. Concentrations of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) were detected in surface soil samples from the on-site storm water basin. The State has requested that the Volunteers evaluate these detected concentrations relative to the on-site storm sewer system being a potential pathway to the storm water basin. The results from the Vapor Intrusion investigation indicate that indoor concentrations of VOCs are approximately equal to the under-slab concentrations. Based on these results, NYSDEC has recommended that the Volunteers contact the current occupants for a list of the solvent based compounds that are typically used at the facility. Based on that information, NYSDEC and the Volunteers can decide on an appropriate course of action for resolving this apparent discrepancy.

The March 2004 Work Plan included the installation of six (6) additional monitoring wells, none of which have been installed to date. NYSDEC has requested that the Volunteers complete a well survey for the surrounding properties. They have also requested that the Volunteers identify the confining layer underlying the site and install a minimum one (1) well screened immediately above that confining layer and sample the groundwater at that depth. That groundwater sample would be used to determine whether any of the DNAPL (dense non-aqueous phase liquid) detected in the shallow wells on the site has migrated into a deeper aquifer, if one exists.

NYSDEC has requested that the next two (2) rounds of groundwater sampling include one round collected during seasonal high groundwater conditions and one round collected during seasonal low groundwater conditions. All analytical testing for VOCs must include TICs (tentatively identified compounds). The following sections provide a detailed scope of work for completing the above-described tasks.

SCOPE OF WORK

Surveying

The Volunteers will contract with a New York State Registered Surveyor who will provide the survey coordinates for all of the borings and wells installed on the site (provided we can find the locations of the borings and wells installed by others at the site). A table of coordinates will be provided to NYSDEC with either the next round of groundwater analytical data or at the latest with the Final Report.

Additional Storm Water Basin/System Investigation

The Volunteers will address NYSDEC's concerns regarding the storm water basin and on-site storm water system by collecting one (1) surface soil sample from each of the three (3) on-site storm water catchments (drop-boxes), two (2) surface soil samples from the storm water ditch north of the site entrance, and up to five (5) surface soil samples from the storm water basin. The catchment samples will be used to assess whether the on-site storm water system is a source of VOCs and SVOCs. The samples from the drainage ditch north of the site driveway will be used to assess potential off-site sources of VOCs and SVOCs. The samples from the storm water basin will be positioned such that they can be used to assess the source of the VOCs and SVOCs found in the storm water basin. All of the samples will be analyzed for VOCs (including a list of TICs) and SVOCs.

Additional Vapor Intrusion Investigation

The Volunteers will address the apparent discrepancy between the indoor air and under-slab concentrations of VOCs. The Volunteers will contact the current occupants and request a list of the solvent based compounds they typically used at the facility, using the New York State Department of Health's (NYSDOH), "Indoor Air Quality Questionnaire and Building Inventory" (Appendix B of the Soil Vapor Intrusion Guidance). Based on the information provided by the current owners, NYSDEC, NYSDOH, and the Volunteers can decide on an appropriate course of action for resolving this apparent discrepancy.

Groundwater Investigation

In response to NYSDEC request that the Volunteers complete a private well survey for the surrounding properties, to determine, to a reasonable extent, the nature and status of private water supply wells, if any, at properties surrounding the site. The Volunteers will request information regarding private wells in the site vicinity from the State of New York and Monroe County Health Department. The information will be reviewed and property owners/occupants of adjoining properties will be contacted to verify or expand on information concerning the dates of installation, well/screen depth, general water quality, and uses.

To address NYSDEC's need for additional information regarding the existence of a deeper aquifer and/or a confining layer underlying the site, and to further characterize the subsurface conditions on the site, the Volunteers are proposing to install three (3) two-inch wells at the site in the deeper unconfined groundwater bearing unit and sample each for VOCs (including a list of TICs) and SVOCs. The monitoring wells are proposed to be installed at the locations shown on the attached drawing, provided there are no underground or overhead utilities that would interfere with the selected locations. If there are utility conflicts, the well locations will be adjusted accordingly. The wells will be designated MW-16, MW-20, and MW-23 to be consistent with the March 2004 work plan.

The location and elevation of wells will be surveyed to develop a potentiometric surface mapping for the deeper aquifer at the site. The wells will be installed, developed, and sampled in accordance with the March 2004 work plan. Following completion, development, and surveying of the new monitoring wells, groundwater samples from all nine (9) wells will be collected and analyzed for VOCs (including a list of TICs) and SVOCs. In accordance with NYSDEC's request, the wells will be sampled during a period of seasonal high water (seasonal high water generally occurs April-May) and during a period of seasonal low water (seasonal low water generally occurs July-August). The Volunteers are proposing to sample the three new wells twice during each seasonal condition, so that there can be some verification of the analytical results during each season. The two rounds of sampling proposed during each season will occur approximately 30 days apart.

Soil will be field screened and sampled during the installation of this well, and groundwater samples will be collected from the wells after they have been completed and developed. Soils obtained during the installation of these monitoring wells will be screened and sampled in accordance with the March 2003 work plan.). Soil samples will be analyzed for VOCs (including a list of TICs), SVOCs, and the list of 23 metals previously utilized. During well installation one soil sample will be collected from each boring at the groundwater interface and submitted to the laboratory for analysis of total organic carbon by EPA method 415.1, for the purpose of assessing natural attenuation and other remedial alternatives. All analytical data will be reported in accordance with the ASP-B deliverable standards.

Following installation of the three (3) new monitoring wells; a rising-head slug testing will be performed on them to determine hydraulic conductivity of the groundwater-bearing unit. This will aid in assessing the potential future fate and transport of constituents from the site.

Underground Utilities

The Volunteers will contact the current and previous occupants of the site and will request that they provide any and all information concerning utility line runs on the property. The underground utility information will be used to evaluate any preferential pathways for constituents to migrate along. The information obtained will also be compared with utility line markings prior to monitoring well installation for verification purposes.

TENTATIVE SCHEDULE

Following approval of this Work Plan Addendum, the Volunteers will conduct the work outlines above in the following sequence and approximate time schedule, assuming Work Plan Addendum approval by the end of the first week in January 2006:

- Vapor Intrusion investigation – start week of January 9, 2006, completed by the week of January 31, 2006.
- Underground Utilities investigation – start week of January 9, 2006, completed by the week of January 31, 2006.
- Residential Well Survey – start week of January 9, 2006, completed by week of January 31, 2006.
- Well Installation and Development – week of March 14, 2006.
- Surface Soil Sampling (storm water) – week of March 14, 2006.
- Land Surveying (new and existing wells, previous borings and surface soil samples) – week of March 21, 2006.
- House-to-House Well Survey, if necessary – week of March 21, 2006.
- Well Sampling (Round 1) – conducted during week of April 11, 2006.
- Well Sampling (Round 2) – conducted during week of May 9, 2006.
- Well Sampling (Round 3) – conducted during week of July 11, 2006.
- Well Sampling (Round 4) – conducted during week of August 8, 2006.

- Data Analysis and Report Preparation – start September 5, 2006, completed on or about September 28, 2006.

If you should have any questions or require additional information, please do not hesitate to call the undersigned at (610) 449-5410.

Sincerely,

ENTRIX, Inc.



Derron L. LaBrake, P.W.S.
Sr. Project Manager

Attachment: Proposed well location drawing

cc: Larry Malizzi, ENTRIX

