Smolensky & Associates, LLC
Environmental and Groundwater Consulting

Smolensky & Associates LLC
20 Irving Drive
Woodbury, NY 11797

Mr. Conor Shea
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway 11th Floor
Albany, New York 12233-7015

Subject:
Remedial Investigation – Plan for Supplemental Perched Well Installation
United Stellar Industries Site, 131 Sunnyside Blvd., Plainview, New York.
NYSDEC Site Number 1-30-115

Date:
March 7, 2016

Contact:
Doug Smolensky

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(516) 224-4009

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doug.smolensky@optonline.net

Dear Mr. Shea:

On behalf of 131 Sunnyside, LLC, Smolensky & Associates, LLC (Smolensky) is pleased to provide this plan for supplemental perched water well installation in connection with Remedial Investigation (RI) activities at the former United Stellar Industries Site, located at 131 Sunnyside Boulevard in Plainview, New York. The Site has been classified by the New York State Department of Environmental Conservation (NYSDEC) as a Class 2 Site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State (Site No. 130115).

In an email dated October 6, 2015, Smolensky had responded to questions and comments you offered regarding moving forward with an RI report and your specific question "has all work specified in the RI Workplan been completed?" In our response, it was stated that all investigatory work identified in the RI Workplan had been completed, in addition to the installation and testing of additional deep perched water wells in the downgradient offsite area. In your December 14, 2015 email, you presented the position of the NYSDEC which stated in part:

> *"Based on the data provided for the most recent sampling completed at the United Stellar Site, the highest TCE concentration was found at the outermost extent of the investigation boundary. This information indicates that the extent of perched groundwater contamination has not been sufficiently delineated."*

Historical water quality results from wells screened in the deep perched horizon are shown on Figure 1 (attached). As you noted, perched water well PW-17D located generally south/southwest of the former United Stellar facility, exhibited the highest

TCE concentration. Given this result, Smolensky, working with ARCADIS, propose additional delineation work to the south/southwest of observed impacts (i.e., PW-15D and PW-17D) to complete delineation of the perched water contamination.

Scope of Work

Following the investigative approach which has been used to date, that is, installation and sampling of permanent deep perched water wells, a similar approach with some modification is proposed. The area to be investigated is generally shown on Figure 2 (attached), and is south/southwest of the former facility, following the perched water flow direction (based on water levels shown) and the identified impact to the deeper perched water horizon. A total of two or three deep perched water wells will be installed within this area to complete delineation efforts. Exact locations of permanent wells are yet to be determined, as explained below.

A modified approach to the selection of permanent well locations is proposed for this effort. First, a number of potential locations will be identified and permits will be secured (from the Town of Oyster Bay). Utilities will be marked and residents in the immediate vicinity of drilling activities will be apprised of the upcoming work. Drilling will proceed at the first location, the borehole will be logged, and drilling will cease at the planned depth (assuming hydrogeologic conditions are as anticipated). A temporary well/sampling device will be installed at the target screen depth and a perched water sample will be collected. The temporary well will then be removed. The sample will be sent for laboratory analysis under 24-hour turnaround. If the perched water quality results indicate that clear and definitive data regarding delineation can be obtained from this location (i.e. the results are non-detect or are significantly lower than those reported from upgradient monitoring wells and can therefore be used to “bound” the area of impacted perched water), then a permanent well will be installed in the borehole. If the water quality results do not provide clear indication or clarification regarding delineation of impact, then the borehole will be appropriately abandoned with no permanent well installed. The water quality results (regardless of the outcome) will be used to determine which of the permitted potential well locations is next to be investigated. This process will continue (within the area identified in Figure 2) until two or three permanent wells have been installed based on the results of the temporary well sampling. This approach is designed to be efficient in identifying the locations for permanent well installation only at those locations where worthwhile data can be collected, while simultaneously avoiding needless installation of permanent wells where they do not best serve the delineation effort.

All well installation techniques will follow the same protocol presented in the approved RI Workplan. Because of previous successful performance on private property and in the residential neighborhood, we anticipate using the same drilling contractor (now known as Cascade Drilling) used for previous project installations. Following well development and curb box completion, the wells will be allowed to be idle for at least two weeks, at which time perched water sampling from each new well will be conducted. Although temporary well sample results will already have been collected from these locations, we recognize that only permanent well sampling results can be relied upon to meet the data quality standards for RI investigations.

Finally, as you know, due to access agreement stipulations, sampling at offsite perched water wells has been strictly limited to the specific volatile organic compounds of concern (cis-1,2 dichloroethene, trichloroethene, tetrachloroethene, and vinyl chloride). To be consistent with all previous sampling, we propose that the same analyses be conducted for this well installation/sampling effort.

We look forward to your response to this plan. If it meets your approval, we will begin the process to secure the Town permits (history has shown this is not necessarily a quick process), and plan the detailed schedule with subcontractors.

We appreciate the opportunity to provide you with this plan. If you have any questions or need additional information, please do not hesitate to contact me.

Sincerely,

Smolensky & Associates, LLC

Douglas A. Smolensky
President

Attachments:
Figure 1
Figure 2

Copies:
Ron Stallone
Steve Feldman
File