



architects + engineers

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March 10, 2014

Steven M. Scharf, P.E.  
Project Engineer  
New York State Department of Environmental Conservation  
Division of Environmental Remediation  
625 Broadway  
Albany, New York 12233-7015

Re: Brownfield Cleanup Program Remedial Investigation  
Bethpage Community Park Ice Rink Area – NYSDEC Site No.: C130212  
Progress Report – March 2014

Dear Mr. Scharf:

On behalf of the Town of Oyster Bay, H2M Architects + Engineers (H2M) is pleased to provide herein a progress report on the remedial investigation activity at the Bethpage Community Park Ice Rink Area pursuant to Appendix A, Section XI of the New York State Brownfield Site Cleanup Agreement (Index # C130212-01-12).

### **Tasks Initiated or Completed**

Tasks recently initiated or completed include the following:

- A revised remedial investigation work plan (RIWP) was approved by the New York State Department of Environmental Conservation (NYSDEC) on January 24, 2014.
- H2M initiated the field portion of the RIWP on February 17, 2014. The field work was initiated at the Bethpage High School property. A geophysical survey was performed between February 17 and 21, 2014 to clear all boring locations of any potential underground utilities prior to the installation. The field work at the High School included installation and sampling of two nested soil vapor points at six (6) locations. Installation of the soil vapor points was performed on February 18 and 19, 2014. Sampling at all six locations was performed on February 19, 2014. Soil vapor samples were submitted to a laboratory (Chemtech) for TCL volatile organic compounds (VOCs), Freon-12™, Freon-22™, plus 20 TICs analysis via EPA Method TO-15.
- Between February 21 and 25, 2014, an additional two nested soil vapor points were installed at 11 locations within the Park area. In those areas known to include a subsurface low permeability zone (LPZ), the installation of the deeper soil vapor point (52' below grade surface (bgs)) was not considered appropriate. Accordingly, H2M communicated a request to the NYSDEC for a change in scope via email on February 25, 2014. The change in scope included installing the deeper soil vapor point above the low permeability zone (approximately 38-39' bgs) and if perched water, or the low permeability zone was encountered at a higher elevation, limit the sampling point to the shallow depth only. Subsequently, the change in the scope of work to incorporate a shallower depth to avoid the finer materials and perched water in the soil vapor samples was approved by the NYSDEC on the same day. Following the NYSDEC approval, only the shallow soil vapor point (10' bgs) was installed at two locations within the old ball field area. At three locations, one within the old ball field area and two in the western parking lot area, the deeper sampling point was installed at 36' bgs. H2M sampled 11 of the 13 soil vapor locations on February 27, 2014 and submitted to Chemtech for TCL volatile organic compounds (VOCs), Freon-12™, Freon-22™, plus 20 TICs analysis via EPA Method TO-15.

- Temporary groundwater monitoring well point (RI-TMW-01) was installed and sampled on February 19, 2014. Groundwater samples were collected at 55', 65', 75', 85', 95' and 100' bgs. Between February 20 and 21, 2014, two temporary groundwater monitoring well points (RI-TMW-02 and -03) were installed and sampled. At these locations, groundwater samples were collected at 55', 65', 75', 85', 95', 105', 115', 125', 135' and 145' below grade surface (bgs). All groundwater samples, including QA/QC samples were submitted to Chemtech for TCL volatile organic compounds (VOCs), Freon-12™, Freon-22™, plus 20 TICs analysis.

### **Tasks to be Completed During the Next Reporting Period**

Tasks expected to be initiated or completed during the next reporting period include the following:

- Installation and sampling of two nested soil vapor points at remaining 11 locations.
- Sampling of two previously installed soil vapor locations.
- Installing and sampling of one remaining temporary groundwater monitoring well point (RI-TMW-04).

### **Schedule**

Schedule milestones related to the next reporting period are as follows:

- No milestones are expected to be reached in the next reporting period.

If you should you have any questions or concerns, please contact me at (631) 756-8000 extension 1623.

Very truly yours,

**H2M Architects + Engineers**



Philip J. Schade, P.E.

cc: Richard Betz, Commissioner of Public Works/Town of Oyster Bay  
Matt Russo, Town of Oyster Bay  
John Ellsworth, Cashin Spinelli & Ferretti  
Steven Bates, NYSDEC  
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