



December 1, 2020

Joseph Jones
Project Manager
Division of Environmental Remediation
Bureau of Technical Support
625 Broadway, 11th Floor
Albany, NY 12233-7020

Former Atlas Graphics Site
567 Main Street
NYSDEC Site # 130043A
Westbury, New York

Dear Mr. Jones,

As we discussed, Seacliff Environmental Geology PC (Seacliff) has prepared this work plan to conduct a soil vapor intrusion (SVI) evaluation as per the NYSDEC letter dated October 27, 2020. The building is unoccupied and vacant. We plan on conducting this work during the 2020-2021 heating season.

Background

H.D.P Printing Corp. is the current owner of the former Atlas Graphics site, located at 567 Main Street, Westbury, New York and identified on the Nassau County Tax Map as: Section 11, Block 164, Lot 78 ("Site"). The Site is listed in the Registry of Inactive Hazardous Waste Disposal Sites in New York State as Site No. 130043A with a classification "2" pursuant to ECL Section 271305. It is the NYSDEC's understanding that H.D.P Printing Corp. is proposing to transfer title and control to the Site.

In 2005, the Site was designated as an SVI Legacy site requiring evaluation of the soil vapor intrusion pathway for the on-Site building. On February 16, 2010, a contractor representing the NYSDEC collected three (3) air samples from beneath, two (2) from within and one (1) outside, the Site building. The purpose of the sampling was to assess the potential for Site-related contamination to enter the on-Site building and affect the indoor air quality through SVI.

Tetrachloroethene (PCE) and trichloroethene (TCE), each considered site-related contamination, were detected. PCE was detected in indoor air within the Site building at levels of 27 and 28 micrograms per cubic meter (ug/m^3). At the time, these concentrations were below the NYSDOH indoor air guideline of $100 \text{ ug}/\text{m}^3$ but are near the current NYSDOH indoor air guideline of $30 \text{ ug}/\text{m}^3$. TCE was detected in the indoor air at

P.O. Box 2085, Miller Place, New York 11764

Tel: (631) 828-5994 Cell: (631) 742-6948 Email: seacliffenvironmental@aol.com



concentrations of 1.9 and 1.6 ug/m³. The current NYSDOH indoor air guideline for TCE is 2 ug/m³. In addition, PCE and TCE were detected at (maximum of 4,200 ug/m³ and 31,000 ug/m³ respectively) in soil vapor beneath the building.

Proposed Scope of Work

Two (2) sub-slab soil vapor samples and co-located indoor air samples will be collected at the locations shown on Figure 1. Figure 1 also shows the location of the outdoor air sample.

Soil vapor implants will be set at a depth of approximately 0.5 to one foot below the building slab. A hand-held photoionization detector will be used to screen the headspace of the boreholes to determine if VOCs may be present. The vapor points will be installed using portable drilling equipment and will consist of six-inch long stainless-steel implants attached to an expendable drive point. TeflonTM lined polyethylene tubing will extend from the temporary implant to the surface. Number 2- sand will be used in the boring to create a sampling zone and a bentonite seal emplaced in the borehole above the sampling zone. The NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion will be followed with respect to the proper installation of soil vapor probes. The vapor points will be finished at slab grade with protective covers should future sampling be required.

An indoor air canister will be co-located with each of the two sub-slab vapor canisters. In addition, one outdoor sample would be collected. The canisters will be calibrated for 8 hours (potential work shift) and sampling will occur for that duration. Samples will be collected in appropriate-sized (normally 6-liter) Summa canisters that have been certified clean by the laboratory. Flow rate for both purging and sampling will not exceed 0.2 L/min. One to three implant volumes will be purged prior to the collection of any soil-gas samples. The NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion will be followed with respect to the purging and sampling of the soil vapor probes.

A sample log sheet (Attachment A) will be maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples are collected, apparent moisture content of the sampling zone, and chain of custody protocols.

While on-site, a product inventory will be conducted by the QEP as per the 2006 NYSDOH guidance document. However, the building is completely empty.

The canisters will be picked up by York Analytical Laboratories, Stratford, Connecticut (NYSDOH ID #10854), a laboratory certified to perform air analysis in New York State. The samples will be analyzed using USEPA Method TO-15. The results will be available within 15 business days and will be compared to the appropriate NYSDOH guidelines.



Prior to the preparation and submittal of a SVI evaluation, a data summary table, the laboratory report, and product inventory will be submitted to the NYSDEC and NYSDOH for review. This submittal will include the name and address of the building owner. The final SVI evaluation report will be certified by a P.E. and/or QEP.

Please call/email with any questions. As per the plan we want to conduct this work in the 2020-21 heating season.

Seacliff Environmental Geology PC

James M. DeMartinis

James M DeMartinis PG
Senior Geologist

CC Kenneth Robinson Esq.

Figure

Attachment A



Seacliff Environmental Geology, PC.
P.O. Box 2085
Miller Place, NY 11764

Office # (631) 828-5994
Cell # (631) 742-6948

CANISTER FIELD SAMPLING RECORD

Project: _____

Site Location: _____

Sample ID _____

Canister ID _____

Sampler _____

Canister Volume _____

Location _____

Flow Controller ID _____

Height _____

Flow Controller Setting _____

Sample Type (sub-slab, soil gas, amb, indoor) _____

READING	DATE	TIME	VACUUM
Initial Canister Vacuum			
Final Canister Vacuum			

Weather or Ambient Conditions: _____

Purge Data: _____

Check Data: _____

Comments: _____