

**VIA EMAIL**

October 22, 2019

Mr. Joseph Jones  
Project Manager  
New York State Department of Environmental Conservation  
625 Broadway, 11<sup>th</sup> Floor  
Albany, NY 12233-7015

Re: **Soil Vapor Intrusion Sampling Work Plan**  
**Award Packaging Corp. NYSDEC Site #130155**  
**625 South Street, Garden City, New York**  
**FPM File No. 963-17-11(02)**

Dear Mr. Jones:

This work plan has been prepared by FPM Group (FPM) in accordance with our discussions to perform a soil vapor Intrusion (SVI) investigation at the above-referenced Site. The investigation is being proposed to determine if SVI continues to pose a concern at the Site and determine if continued operation of the mitigation system is necessary to prevent potential SVI.

The sampling will be performed in accordance with the procedures in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006), February 2017 Site Management Plan, and are further discussed below. A site plan (attached) showing the location of the sub-slab soil vapor sample (MP-2), indoor air (IA-A) and outside (ambient) air sampling locations, and pertinent site features is attached for your reference. The primary sampling will include one sub-slab soil vapor samples and one co-located indoor air sample. An ambient air sample and duplicate sample will also be collected.

The proposed soil vapor intrusion investigation is as follows:

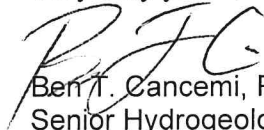
- One existing sub-slab soil vapor sampling point (MP-2) will be utilized. Prior to sampling the sampling point will be purged and the seal integrity will be tested with an inert gas (helium) in accordance with NYSDOH guidance. A laboratory-provided Summa canister equipped with approximate 8-hour flow controller (such that the canister is filled at a rate of less than 0.2 liters per minute) will be attached and collected concurrently with the indoor and outdoor (ambient) sample as discussed below;
- Indoor air sampling in the former Award Packaging Tenant interior space (IA-A) and an outdoor (ambient) air sampling will be performed concurrently with sub-slab sampling. The laboratory-provided Summa canisters will be placed at a height of approximately three feet above grade in the building and outdoors in proximity to the building. Each canister including the duplicate shall be equipped with flow controller such that the canister is filled at a rate of less than 0.2 liters per minute. Sampling will be conducted over an approximate 8-hour

period making sure that a vacuum is present upon completion of sampling;

- A product inventory and site survey documenting potential sources of VOCs will be conducted to assist in the evaluation of the sample results;
- The canisters shall be sealed, labeled, managed, transported and transported to a NYSDOH approved laboratory for analysis of VOCs using the TO-15 Method. Low level analysis of VOCs will also be performed on indoor air and ambient air samples. All samples will be collected in accordance with NYSDOH guidance. Quality assurance/quality control (QA/QC) samples (duplicate), Category B lab reports, and data usability summary reports (DUSRs) will be provided;
- A copy of the non-validated laboratory data will be provided to the NYSDEC following receipt for preliminary review. FPM will prepare a report documenting the investigation results for submittal to the NYSDEC together with our recommendations.

Please confirm that the above-described work plan is acceptable. We plan to commence the work approximately two weeks after the system is shutdown, which would be at the start of the heating season (November 1, 2019). If you have any questions, please do not hesitate to email or call me at (631) 737-6200, ext. 209.

Very truly yours,



Ben T. Cancemi, PG, CPG  
Senior Hydrogeologist  
Department Manager

BTC:btc  
Attachment

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