



May 20, 2026

Ms. Marlen C. Salazar  
Assistant Engineer  
New York State Department of Environmental Conservation  
47-40 21st Street  
Long Island City, NY 11101-5407

Re: SVE Optimization Workplan  
Site Number: C224176  
1103-1107 Dekalb Avenue, Brooklyn, NY

Dear Ms. Salazar:

Tyll Engineering and Consulting PC (TEC) has prepared this Soil Vapor Extraction (SVE) Optimization Work Plan for the Former Getty Service Station No. 00564 located at 1103-1107 Dekalb Avenue, Brooklyn NY 11221 (the Site) to provide the scope of work for conducting the first phase of optimization of the SVE System.

In January 2026, the NYSDEC requested a discussion of looking into a remedial system optimization (RSO) investigation due to the previous concentrations of petroleum VOCs in the groundwater and the frequent carbon changeouts required due to breakthrough.

During a conference call on May 18, 2026 to discuss the need for an RSO investigation, the NYSDEC requested that we start an optimization process with a phased approach.

### Optimization Measures

The first phase includes the following measures:

- In December 2025, the blower was repaired to its original specifications and is expected to provide a more efficient operation.
- Replacement of the two (2) granular activated carbon (GAC) drums during the week of May 26, 2026.
- Establishment of a monitoring program to track the resulting influent/effluent concentrations to see how the carbon is treating the influent.
  - One week after replacement of GAC, the SVE influent and effluent will be monitored using a Photoionization Detector (PID) from the two ports on the system. Three more weekly monitoring events will be completed for a total of 4 weekly events, then two (2) monthly additional monitoring events, and then the monitoring will revert back to the Quarterly monitoring events.
  - Any quarterly events that coincide with these monitoring events, will count towards both the phased monitoring and the quarterly monitoring events.
- A separate brief letter report will be prepared and submitted to the NYSDEC summarizing the activities and monitoring results, as applicable.



## Schedule

The anticipated schedule includes:

1. Week of May 26, 2026 – replacing GAC and monitoring of SVE
2. Week of June 1<sup>st</sup> to, and including the week of June 22<sup>nd</sup> – Weekly monitoring of the influent and effluent ports on the SVE (4 events)
3. July 2026 – Monthly Monitoring of SVE
4. August 2026 – Monthly Monitoring of SVE, Quarterly monitoring of GW and SVE
5. September 2026 – Prepare and submit brief letter report.

## Certification

I, Karen Tyll, PE certify that I am currently a NYS registered professional engineer as defined in 6 NYCRR Part 375 and that this SVE Optimization Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

Thank you. Please contact us if you have any questions.

### TYLL ENGINEERING AND CONSULTING, PC

A handwritten signature in black ink, appearing to read 'Karen Tyll', is written over a light blue horizontal line.

Karen G. Tyll P.E.  
President

ecc: Jane O'Connell, Cris-Sandra Maycock, , NYSDEC  
Wendy Kuehner, Ryan Minzloff, NYSDOH  
Moris Yeroshalmi, Owner  
Ruxandra Niculescu, GSI Environmental  
AJ Infante, Concave Consulting

