



Integral Engineering, P.C.  
1001 6<sup>th</sup> Avenue  
11<sup>th</sup> Floor  
New York, NY 10007

telephone: 212.962.4303  
facsimile: 212.962.4302  
www.integral-corp.com

## MEMORANDUM

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**To:** Wendi Y. Zheng  
New York State Department of Environmental Conservation

**From:** Sara Barbuto and Keith P. Brodock, P.E. Integral Engineering, P.C.

**Date:** June 10, 2021

**Subject:** Monthly Progress Report  
Former Cleaner Sales and Equipment Corp. NYSDEC Site No. 224177

**Project No.:** E051

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In accordance with the reporting requirements of the Brownfield Site Cleanup Agreement for the above-captioned Site, Integral Engineering, P.C. (Integral) presents this monthly progress report to New York State Department of Environmental Conservation (NYSDEC) on behalf of 135 Kent Avenue Management Corp. This progress report presents an update on the implementation of the remedial program activities at 135 Kent Avenue (Former Cleaner Sales and Equipment Corp. Site; NYSDEC Site No. 224177) for the month of May 2021.

### **ACTIONS COMPLETED DURING THIS REPORTING PERIOD**

During this reporting period we have collected sub-slab depressurization system (SSDS) monitoring measurements at vacuum monitoring points (VMPs) and suction points at 135 Kent Avenue. Access to the passive SSDS monitoring points at 60 North 6<sup>th</sup> Street was not available during the May monitoring event. Additional information regarding these actions is provided in the following sections.

#### **135 Kent Avenue SSDS Monitoring**

Integral performed SSDS monitoring of accessible VMPs and SSDS suction points on May 27,

2021. Pressure readings were collected from VMPs; airflow velocity readings were collected from SSDS suction points. The results of the May 27, 2021 monitoring event for all SSDS suction points and VMPs are presented in Table 1 below.

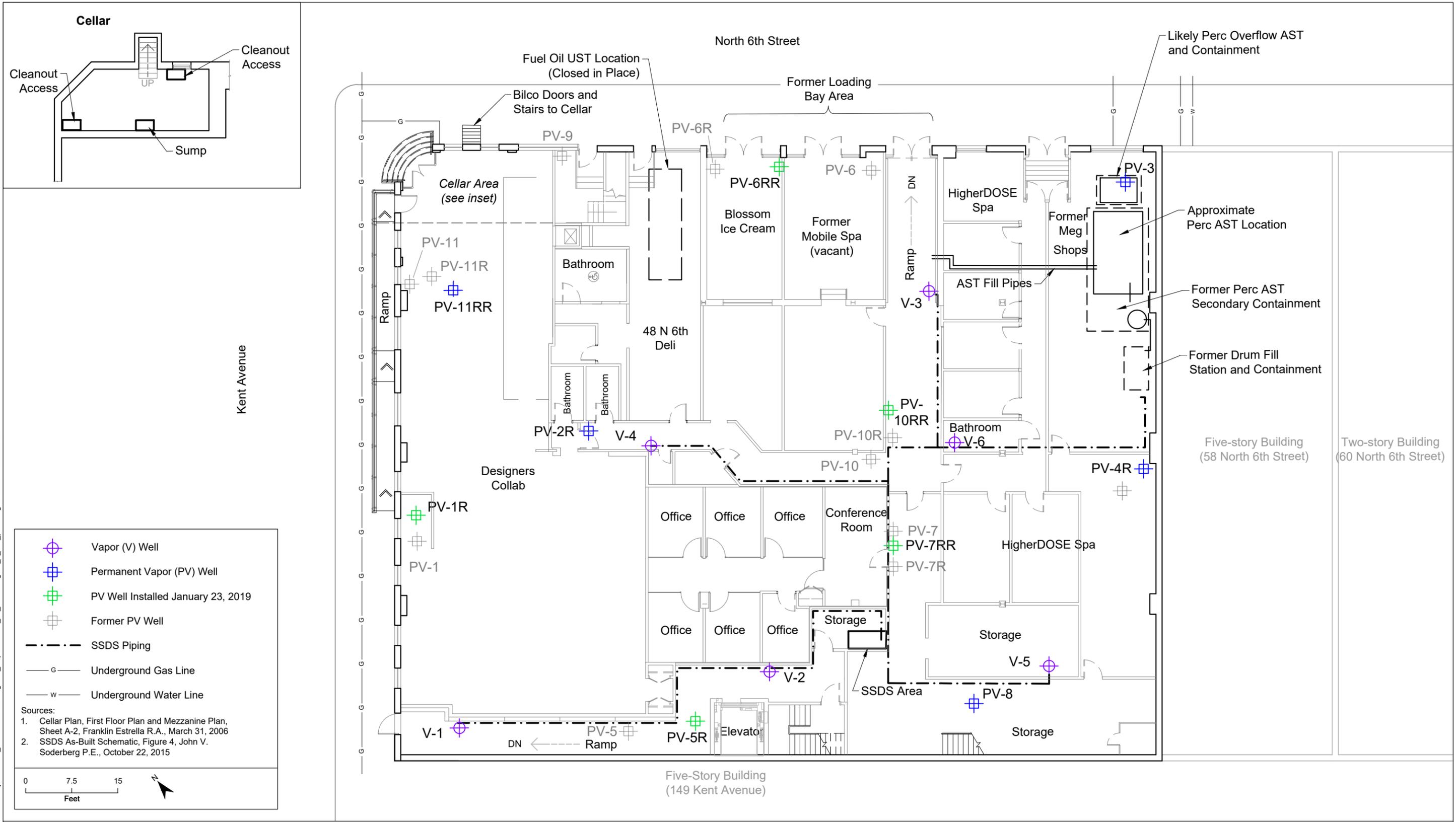
Table 1. May 27, 2021 135 Kent Avenue SSDS Monitoring Results

<b>Location</b>	<b>Airflow Velocity (ft/min)</b>	<b>Pressure (inches of H<sub>2</sub>O)</b>
<b>SSDS Suction Points</b>		
V-1	2,060	--
V-2	630	--
V-3	1,127	--
V-4	1,689	--
V-5	1,152	--
V-6	1,278	--
<b>VMPs</b>		
PV-1R	--	-0.010
PV-2R	--	-0.074
PV-3	--	-0.037
PV-4R	--	-0.020
PV-5R	--	-0.012
PV-6RR	--	0.000
PV-7RR	--	-0.008
PV-8	--	-0.021
PV-10RR	--	-0.015
PV-11RR	--	-0.009

The Site plan, included as Figure 1, shows the locations of VMPs labeled as PV-x (permanent vapor wells) and SSDS suction points labeled as V-x (vapor wells). The area for Meg Shops has been vacated and a new floor coating was applied; this prevented access to VMP PV-3 during the April 27 monitoring event but was accessible during the May 27 monitoring event. The airflow velocity data collected on May 27, 2021 were generally comparable to those collected at the Site since December 2016, other than the 0.000 reading for PV-6RR located in the front of Blossom Ice Cream.

## **PLANNED ACTIVITIES FOR THE JUNE 2021 REPORTING PERIOD**

The June 2021 monthly monitoring event is scheduled for June 29, 2021. The SSDS system is currently operating. Additional details regarding June 2021 activities will be provided in the next monitoring report, due July 10, 2021.



N:\GIS\Projects\ED01\_135Kent\CAD\Progress\_Reports\2020\_03\_March\Figure\_1\_site\_plan.dwg 1/4/2021 11:22:28 AM

	Vapor (V) Well
	Permanent Vapor (PV) Well
	PV Well Installed January 23, 2019
	Former PV Well
	SSDS Piping
	Underground Gas Line
	Underground Water Line

Sources:

1. Cellar Plan, First Floor Plan and Mezzanine Plan, Sheet A-2, Franklin Estrella R.A., March 31, 2006
2. SSDS As-Built Schematic, Figure 4, John V. Soderberg P.E., October 22, 2015



**DRAFT**

**Figure 1.**  
Site Sub-Slab Depressurization System and Monitoring Points  
135 Kent Avenue, Brooklyn, NY



135 Kent Avenue  
 Site # C224177  
 SSDS Monitoring Form

Date: 5/27/21  
 Time Begin: 1130  
 Time End: 1330  
 Staff: P. McGuire

Sub-Slab Monitoring Point	Pressure (in. H <sub>2</sub> O)
PV-1R	-0.010
PV-2R	-0.074
PV-3	-0.037
PV-4R	-0.020
PV-5R	-0.012
PV-6RR	0.000
PV-7RR	-0.008
PV-8	-0.021
PV-10RR	-0.015
PV-11RR	-0.009

SSDS Monitoring Point	Flow Velocity (ft/min)
V-1	2060
V-2	630
V-3	1127
V-4	1,689
V-5	1152
V-6	<del>687</del> 1278

Notes:

SSDS Treatment Room	Monitoring Point	Pressure (in. H <sub>2</sub> O)	PID (ppm)	Notes
Before lead drum	Gauge PI102	44	no port	
Before lag drum	Gauge PI103 Sample Port	30	7.4	
After lag drum	Gauge PI104 Sample Port	19	9.1	
Ambient Air			0.2	

Is SSDS blower operating:  Yes  No  
 Is heat exhaust fan operating:  Yes  No  
 Is Sensaphone operating: Yes  No  
 Tampering, vandalism, or damage to  
     SSDS: Yes  No  
     Exhaust stack: Yes  No