

# WEEKLY PROGRESS STATUS REPORT

**Site Name:** Vo-Toys Site, Harrison, New Jersey

**CERCLA Docket No.:** 02-2019-2028

**Report No.:** 125

**Report Date:** August 25, 2023

**Reporting Period:** August 21 to August 25, 2023

## 1 Weekly Progress Meeting – August 24, 2023

<i>Name</i>	<i>Company</i>	<i>Title/Position</i>	<i>On-Site</i>	<i>Call-In</i>
Varacchi-Ives, Dawn	General Electric	Project Coordinator		✓
Musser, Doug	Anchor QEA	Project Manager		✓
Carrillo-Sheridan, Margaret	Anchor QEA	Engineer of Record		✓
Bleichner, Alex	Anchor QEA	Engineer's Representative		✓
Colquhoun, Steve	Anchor QEA	Engineer's Representative		
Hathaway, Sandy	Anchor QEA	Task Manager		✓
Shuler, Randy	WSP	LSRP		✓
Karl, Tovah	WSP	Project Manager		✓
Husted, Chris	WSP	Task Manager		✓
Mueck, John	WSP	Construction Manager	✓	
Rosoff, Dave	USEPA	On-Scene Coordinator		✓
Byk, Jon	USEPA	On-Scene Coordinator	✓	

## 2 Health and Safety

<b>Hours Worked Summary:</b>	
Building A East Footer and Soil Removal Project to Date as of August 25, 2023	
Anchor QEA	1786
WSP	2070
EWMI	5925.5

- Daily health and safety meetings were conducted each morning.
- The team discussed staying focused on safety as the project concludes.

### 3 Work Completed – August 21 to August 25, 2023

#### WSP/EWMI (RA Contractor)

- Demobilized equipment and materials.
- Installed temporary fencing around open vaults, holes, and depressions.
- Performed general housekeeping of site (i.e., weeding, cleaning catch basins).
- Capped waterline in the Building A/C courtyard at the west property boundary.
- Screened and cleaned central stockpile area.
- Graded DGA on west side of Building B and cleared berm from B/C center courtyard.
- Collected post-excavation samples to support the NJDEP LSRP requirements.
- Performed work area air monitoring.
- Covered/tarped waste containers/stockpiles when not in active use.
- Coordinated and scheduled off-site transportation and disposal.
- Waste transported off-site this week included the following:
  - Two loads (41.73 tons) of nonhazardous concrete
  - Two loads (43.12 tons) of nonhazardous soil
  - One load (20 tons) of hazardous debris

#### Anchor QEA (Engineer and Air Monitor)

- Performed work area perimeter and site perimeter air monitoring in accordance with the CAMP (during intrusive activities). A summary of work area perimeter air monitoring data is presented in the Weekly Air Monitoring Report.
- Reviewed and documented RA activities.
- Documented MVA and visual observations during removal activities.
- Prepared Weekly Air Monitoring Report (Attachment 1 to this report).

### 4 Anticipated Work for Upcoming Week

#### WSP/EWMI (RA Contractor)

- Demobilizing equipment and materials.
- Relocating barriers/site fencing in Bergen and South 5<sup>th</sup> Streets to the property boundary.
- Coordinating the transportation and disposal of the waste
- Tracking waste shipments and disposal documentation.
- General cleanup of site.

## Anchor QEA (Engineer and Air Monitor)

- Reviewing and documenting RA activities.
- Reviewing utility disconnect activities with the Town of Harrison.
- Preparing a treatability study to address mercury present in Building A footers under the NJDEP program.
- Preparing the Final Removal Action Report

## 5 Status of Submittal Review

- None

## 6 Community Participation

- None.

## 7 Project Delays, Construction Issues/Modifications or Potential Modifications to AOC

- None.

## 8 Overall Project Schedule Update

- None.

## Attachment 1 – Weekly Air Monitoring Report

# WEEKLY AIR MONITORING REPORT

## Vo-Toys Removal Action

**Site Name:** Vo-Toys Site, Harrison, New Jersey

**CERCLA Docket No.:** 02-2019-2028

**Report No.:** 124

**Report Date:** August 25, 2023

**Reporting Period:** August 21 to August 25, 2023

## 1 Introduction

This report summarizes the Vo-Toys Removal Action (RA) air monitoring program conducted between August 21 to August 25, 2023, at the Vo-Toys site located at 400 South 5<sup>th</sup> Street, Harrison, New Jersey (the site). Air monitoring for particulates less than 10 microns in diameter (PM<sub>10</sub>) and mercury vapor was conducted in accordance with the U.S. Environmental Protection Agency (USEPA)-approved Community Air Monitoring Plan (CAMP). PM<sub>10</sub> and mercury vapor results were compared with action levels presented in the CAMP.

Air monitoring during the week of August 21, 2023, included the following monitoring tasks:

- Meteorological monitoring
- Work area perimeter air monitoring
- Site perimeter air monitoring

A summary of the monitoring activities that were conducted is presented in Section 3.

## 2 Meteorological Monitoring

Meteorological monitoring was conducted to measure wind speed, wind direction, and air temperature. Meteorological readings were recorded on a data logging device and evaluated at least three times per day to determine the upwind and downwind boundaries of the site.

Table 2-1 presents a summary of the meteorological monitoring during the week of August 21, 2023. The attached site air monitoring figures show the locations of the meteorological sensors.

**Table 2-1  
Meteorological Monitoring Summary**

Date	Weather
August 21, 2023	Cloudy, High in the upper 80s °F; Winds 5-10 mph NW (Online)
August 22, 2023	Partly Cloudy, High in the lower 80s °F; Winds 5-10 mph N (Online)
August 23, 2023	Partly Cloudy, High in the lower 80s °F; Winds 5-10 mph NE (Online)
August 24, 2023	Overcast, High in the mid-70s °F; Winds 5-10 mph S (Online)
August 25, 2023	Overcast/Raining, High in the lower 80s °F; Winds 5-10 mph S (Online)

### 3 PM<sub>10</sub> and Mercury Vapor Monitoring

#### 3.1 Work Area Perimeter Air Monitoring

Air monitoring was performed at the perimeter of the RA work areas and the RA activities were modified as necessary so that particulates and mercury vapors above action levels were not migrating to the site perimeter and off-site/community air monitoring locations. The work area perimeter monitoring locations were in or adjacent to the building footprints and were determined based on the location and extent of RA activities and the prevailing wind direction. Readings were recorded and maintained on site by the Engineer.

A summary of work area perimeter air monitoring data is presented in the table below.

#### Summary of Anchor QEA's Work Area Perimeter Air Monitoring for PM<sub>10</sub> and Mercury Vapor

Date	PM <sub>10</sub> 15-Minute Average Range (ug/m <sup>3</sup> ) <i>Action Level &lt;125 ug/m<sup>3</sup></i>	Mercury Vapor 15-Minute Average Range (ug/m <sup>3</sup> ) <i>Action Level &lt;10 ug/m<sup>3</sup></i>
<b>Building A West End Removals</b>		
August 21, 2023	25.0 – 40.0	0.0 – 0.0
August 22, 2023	15.0 – 18.0	0.0 – 0.0
August 23, 2023 <sup>Note 5</sup>	N/A	N/A
August 24, 2023 <sup>Note 5</sup>	N/A	N/A
August 25, 2023 <sup>Note 5</sup>	N/A	N/A

Notes:

1. µg/m<sup>3</sup>: micrograms per cubic meter.
2. PM<sub>10</sub> action levels: Normal operations if 15-minute average of PM<sub>10</sub> readings is <125 ug/m<sup>3</sup>. If readings >125 ug/m<sup>3</sup> additional actions would be required per CAMP.
3. Mercury vapor action level: Normal operations if mercury vapor for a single reading is <10 ug/m<sup>3</sup>.
4. See CAMP for further details on action levels.
5. Work Area Perimeter Air Monitoring was no longer required after removal work concluded on August 22, 2023.

#### 3.2 Site Perimeter Air Monitoring Summary

Site perimeter monitoring was performed to document that particulates (PM<sub>10</sub>) or mercury vapor above action levels were not migrating beyond the site boundary. Four air monitoring stations were

located outside the building footprints around the site perimeter: one upwind and three downwind. Figures SP-1 through SP-2 show the locations of the site perimeter stations each day. Readings were recorded and maintained on site by the Engineer. Site perimeter monitoring was no longer required after August 22, 2023 when removal action work concluded.

All PM<sub>10</sub> and mercury vapor site perimeter air monitoring data were below action levels defined in the CAMP. A summary of site perimeter air monitoring data is presented in Table 3.

**Table 3-1  
Summary of PM<sub>10</sub> and Mercury Vapor Site Perimeter Air Monitoring**

Date	Air Monitoring Station/Location	Upwind/Downwind	PM <sub>10</sub> 15-Minute Average Range (ug/m <sup>3</sup> ) Action Level <100 ug/m <sup>3</sup>	Mercury Vapor 15-Minute Average Range (ug/m <sup>3</sup> ) Action Level <10 ug/m <sup>3</sup>
8/21/2023	Station 1 – West	Downwind	14.7 – 38.5	No Measurements <sup>4</sup>
	Station 2 – East	Downwind	33.7 – 65.5	0.10 – 0.50
	Station 3 – Southeast	Downwind	21.3 – 67.5	0.10 – 0.18
	Station 4 – North	Upwind	24.0 – 53.9	0.10 – 0.27
8/22/2023	Station 1 – West	Downwind	12.1 – 19.4	0.10 – 0.26
	Station 2 – East	Downwind	9.47 – 22.9	0.10 – 0.17
	Station 3 – Southeast	Downwind	15.8 – 101	0.10 – 0.13
	Station 4 – North	Upwind	1.0 – 41.6	0.10 – 0.19

Notes:

1. PM<sub>10</sub> action level: Normal operations if PM<sub>10</sub> <100 ug/m<sup>3</sup>.
2. Mercury vapor action level: Normal operations if 15-minute average of MVA readings is <10 ug/m<sup>3</sup>.
3. See CAMP for further details on action levels.
4. Due to rental equipment malfunction, Station 1 did not properly record mercury data on 8/21/2023. No exceedances encountered.

### 3.3 Off-Site/Community Air Monitoring

Off-site/community air monitoring for mercury vapors was performed during specific phases of the RA to document that mercury vapor above action levels were not migrating beyond the site boundary. In accordance with the CAMP, each day that included a qualifying mercury vapor monitoring event, four 8-hour off-site air samples were collected for mercury vapor analysis (one upwind and three downwind). Off-site/community air monitoring for mercury vapors was not performed during the week of August 21, 2023.

## 4 Monitoring Equipment

Table 4-1 presents the air monitoring devices used.

**Table 4-1  
Monitoring Equipment and Calibration**

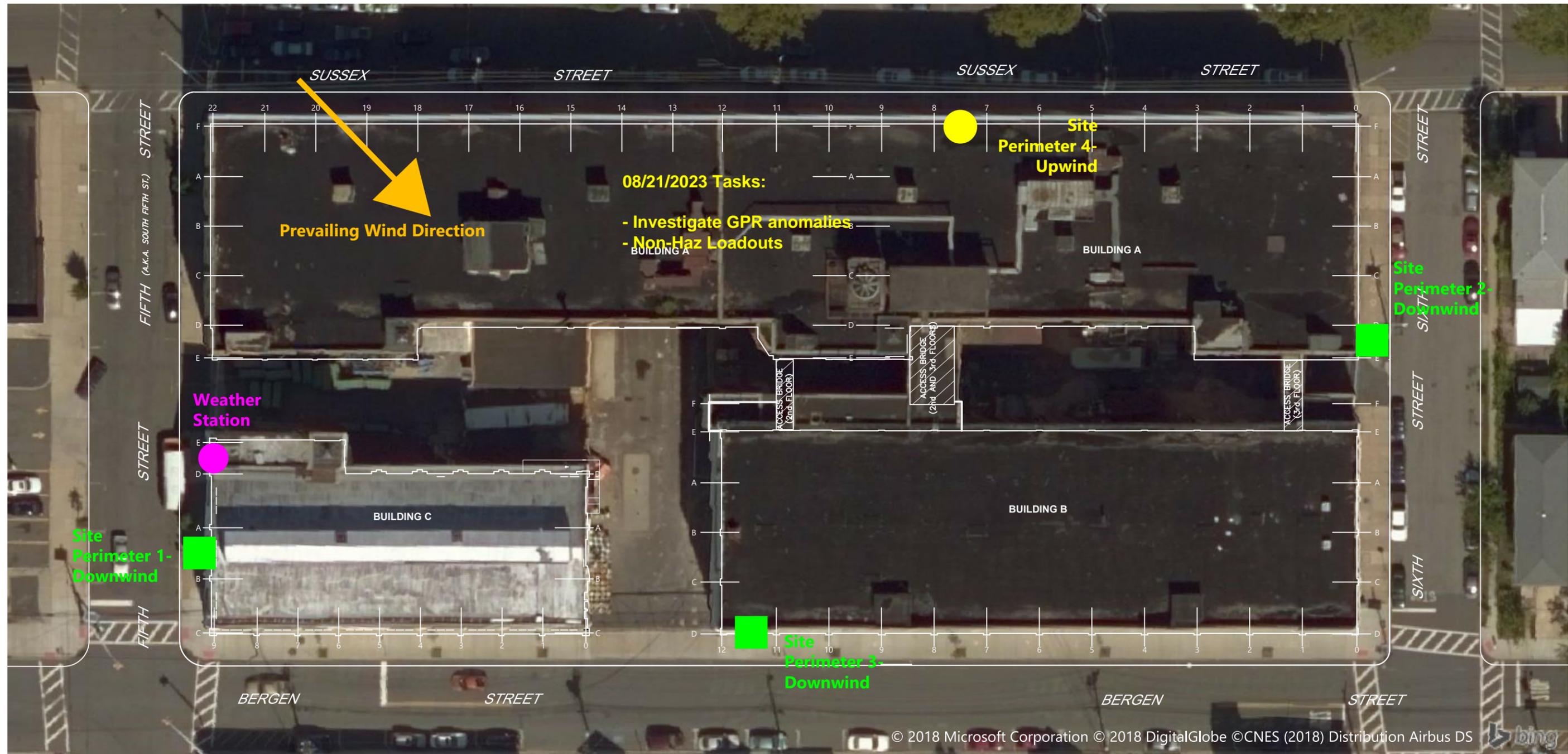
Parameter	Monitoring Equipment
Mercury Vapors – Real Time and Average Concentrations	<ul style="list-style-type: none"> <li>• Jerome Mercury Vapor Analyzer J405 – Arizona Instruments, LLC (work area monitoring, regenerated prior to daily use)</li> <li>• VM 3000 – Mercury Instruments (site perimeter stations, auto zeroed prior to daily use)</li> </ul>
Airborne Particulates	<ul style="list-style-type: none"> <li>• TSI Dusttrak Particulate Monitor (site perimeter stations, zeroed prior to daily use)</li> </ul>
Meteorological Monitoring	<ul style="list-style-type: none"> <li>• Vantage Pro 2 weather station</li> </ul>

## 5 Issues or Potential Modifications to the CAMP

None

## Figures

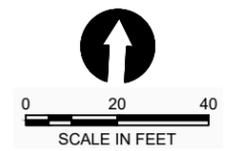
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**SOURCE:** Floor plans compiled from CAD file entitled: "FIG05-REV071615" provided by AMEC Foster Wheeler, Inc. on March 31, 2016. Subsurface utilities and features compiled from CAD file entitled: "NUMBERED\_SITEMAP\_20101" provided by General Electric Company on March 3, 2016.  
**HORIZONTAL DATUM:** New Jersey State Plane, North American Datum 1983, U.S. Feet (NJ83F).  
**VERTICAL DATUM:** (None).

**LEGEND**  
 A,1 ——— BUILDING COLUMN LINE

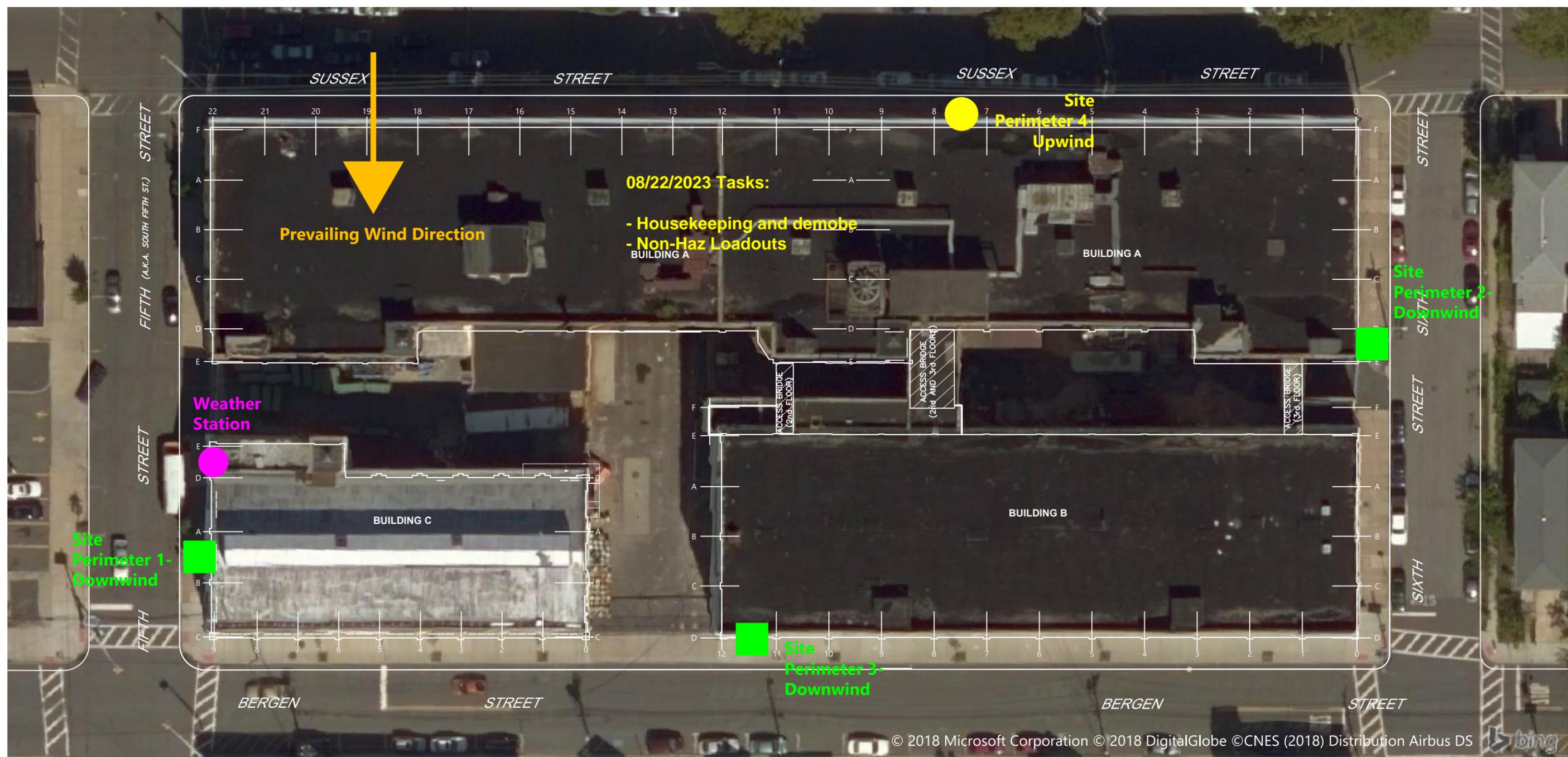
- Site Perimeter Air Monitoring Location
- Upwind Site Perimeter Monitoring Location



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**Figure SP-1**  
**08/21/2023**  
**Air Monitoring Station Locations**  
 Vo Toys Removal Action  
 General Electric Company



**SOURCE:** Floor plans compiled from CAD file entitled: "FIG05-REV071615" provided by AMEC Foster Wheeler, Inc. on March 31, 2016. Subsurface utilities and features compiled from CAD file entitled: "NUMBERED\_SITEMAP\_20101" provided by General Electric Company on March 3, 2016.  
**HORIZONTAL DATUM:** New Jersey State Plane, North American Datum 1983, U.S. Feet (NJ83F).  
**VERTICAL DATUM:** (None).

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**Figure SP-2**  
**08/22/2023**  
**Air Monitoring Station Locations**  
 Vo Toys Removal Action  
 General Electric Company