

# WEEKLY PROGRESS STATUS REPORT

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

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

**Report No.:** 29

**Report Date:** March 12, 2021

**Reporting Period:** March 8 to March 11, 2021

## 1 Weekly Progress Meeting – March 11, 2021

<i>Name</i>	<i>Company</i>	<i>Title/Position</i>	<i>On-Site</i>	<i>Call-In</i>
O'Toole, Tim	General Electric	Project Coordinator		
Musser, Doug	Anchor QEA	Project Manager		✓
Carrillo-Sheridan, Margaret	Anchor QEA	Engineer of Record		✓
Nowak, Tyler	Anchor QEA	Engineer's Representative	✓	
Jefts, Luke	Anchor QEA	Task Manager		✓
Hathaway, Sandy	Anchor QEA	Task Manager		✓
Rosoff, Dave	USEPA	On-Scene Coordinator		✓
D'Onofrio, Cris	USEPA	On-Scene Coordinator	✓	
Byk, Jon	USEPA	On-Scene Coordinator		✓
Milarczyk, Glenn	Brandenburg	Project Manager		✓
Masiello, Mike	Brandenburg	Site Supervisor		
Durishin, Brendyn	Brandenburg	Field Engineer		✓
McGarel, Nick	Brandenburg	Onsite Health and Safety	✓	
Tony Scott	Brandenburg	Site Supervisor	✓	

## 2 Health and Safety/COVID-19

<b>Hours Worked Summary: Brandenburg, Anchor QEA, and Arcadis</b>	
Project to Date as of March 11, 2021	Total Man Hours: 16957

- Daily health and safety meetings were conducted each morning.
- On March 9, 2021 there was another encounter with the Bergen Street neighbor who was shouting from across Bergen Street in an attempt to get Brandenburg to react. Brandenburg did not respond.
- Brandenburg continues to implement COVID-19 management protocols. Their job trailer and common areas are disinfected daily and cleaning activities are documented.

- Anchor QEA continues to disinfect their trailer on a daily basis and document the cleaning activities.
- When new employees come to the site Brandenburg will provide an orientation on the site and mercury hazards. USEPA offered to assist with the mercury orientation similar to the orientation provided at the start of the RA.

### 3 Work Completed – March 8 to March 11, 2021

#### Brandenburg (RA Contractor)

##### Building C

- Removed asbestos-containing roofing on Building C.

##### Building B

- Removal of loose lead-based paint. Removal was completed on the first floor and started on the second floor and staircase areas.
- Place polyethylene sheeting over the first-floor windows to act as a vapor barrier.
- Removed debris from the first floor and placed in rolloff container.
- Opened wall openings on the second and third floors for equipment access.
- Installed string lights for temporary lighting.
- Performed work area air monitoring. A summary of work area air monitoring data is presented in the table below.
- Addressed comments on the Site Construction Plan, Asbestos Abatement Plan, and HASP for Buildings A and B POP

#### Summary of Brandenburg’s Work Area Health and Safety Air Monitoring for Mercury Vapor

Date	Mercury Vapor Work Area Range (ug/m <sup>3</sup> ) <i>Respiratory Protection Upgrade Action Level 25 ug/m<sup>3</sup></i>
<b>Building B</b>	
3/8/2021	0-0
3/9/2021	0-0
3/10/2021	0-0
3/11/2021	0-1

Notes:

1. µg/m<sup>3</sup>: micrograms per cubic meter
2. See POP HASP for further details on action levels

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

- Submitted revised POP text and appendices (Site Construction Plan, Asbestos Abatement Plan, and HASP) for Buildings A and B POP to USEPA for review.

- Performed work area perimeter and site perimeter air monitoring in accordance with the CAMP (during intrusive activities).

On March 11, 2021, the Building C PM<sub>10</sub> work area perimeter action level was exceeded in the morning due to fog. Readings dropped after fog burned off in the morning. Site perimeter air monitoring stations exhibited elevated PM<sub>10</sub> readings upon startup and throughout the day. The elevated readings were attributed to the fog and haze.

All other work area perimeter and site perimeter readings were less than the CAMP action levels. A summary of work area perimeter air monitoring data is presented below in the table below. Site perimeter air monitoring results are presented in the Weekly Air Monitoring Report.

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

<b>Date</b>	<b>PM<sub>10</sub> 15-Minute Average Range (ug/m<sup>3</sup>) Action Level &lt; 125 ug/m<sup>3</sup></b>	<b>Mercury Vapor 15-Minute Average Range (ug/m<sup>3</sup>) Action Level &lt; 10 ug/m<sup>3</sup></b>
<b>Building C</b>		
3/8/2021	20.0 – 33.0	0.0 – 0.0
3/9/2021	33.0 – 65.0	0.0 – 0.0
3/10/2021	35.0 – 85.0	0.0 – 0.0
3/11/2021	60.0 – 136.0	0.0 – 0.0
<b>Building B</b>		
3/8/2021	9.0 – 30.0	0.0 – 0.0
3/9/2021	32.0 – 40.0	0.0 – 0.0
3/10/2021	38.0 – 55.0	0.0 – 0.0
3/11/2021	75.0 – 109.0	0.0 – 0.0

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

- Anchor QEA’s subcontractor, ATC Group Services LLC, performed third party air monitoring during removal of asbestos-containing roofing from Building C. The results of the monitoring were all below criteria which is the OSHA Permissible Exposure Limit for asbestos of 0.1 fiber per cubic centimeter of air as an eight-hour time-weighted average.
- Prepared Weekly Air Monitoring Report (Attachment 1 to this report).

### Arcadis (Waste Coordinator)

- A summary of Building C waste shipped off site for disposal is presented in the table below.

Waste Stream	Final Disposal	Weekly # of Loads/Containers	Weekly Volume Disposed
Non-hazardous Asbestos Containing Material, Nonfriable	Republic Services Inc., Conestoga Landfill	1 Load	6.82 Tons

## 4 Anticipated Work for Upcoming Three Weeks

### Brandenburg (RA Contractor)

#### Building C

- Removing asbestos-containing roofing on Building C.
- Disconnecting roof drains and sewer piping prior to demolition.
- Preparing site for Building C demolition and related waste loadout (including truck gates for Bergen Street).
- Placing cushion material on the liner in Building C.
- Installing hydrant connection for dust control.
- Preparing a diagram/plan of the waste loadout process during the Building C superstructure demolition.
- Setting rodent traps required for the demolition permit.
- Obtaining the demolition permit for Building C from the Town of Harrison.
- Coordinating a site meeting with Anchor QEA, EPA, Town of Harrison police department, fire department, Town of Harrison Construction Office and Harrison DPW to review the Building C superstructure demolition schedule and process.

#### Building B

- Removing loose lead-based paint in Building B.
- Installing fencing/barrier in the parking lane of 6<sup>th</sup> Street.
- Installing string lights for temporary lighting.
- Cleaning out elevator pit in Building B.
- Removing residuals and debris from sumps.
- Sealing window openings and voids in walls in Building B.
- Confirming Building B utility disconnects with utility service providers.
- Saw cutting concrete floors in Building B.
- Removing top layer of flooring on the first floor.

## Anchor QEA (Engineer and Air Monitor)

- Performing work area perimeter and site perimeter air monitoring in accordance with the CAMP (during intrusive activities).
- Performing offsite/community air monitoring in accordance with the CAMP.
- Continue providing third party air monitoring services during Building C roof asbestos abatement activities.
- Signing waste T&D documentation.
- Coordinating the Building C Pre-Demolition Inspection meeting with EPA and Brandenburg.
- Preparing the revised POP for submittal to USEPA.

## Arcadis (Waste Coordinator)

- Tracking waste shipments and disposal documentation.
- Preparing waste profiles and other facility documentation for the Buildings A and B waste.

## 5 Status of Submittal Review

- USEPA is reviewing the Draft Transportation and Disposal Plan for Buildings A and B

## 6 Community Participation

- USEPA posted Weekly Air Monitoring Reports to their project website.
- USEPA will visit the residents on Bergen Street to informing them of the upcoming demolition activities.

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

- None

## 8 Overall Project Schedule Update

- Building C RA work activities are anticipated to be completed by the end of April. The RA activities in Buildings B are in progress.

## 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.:** 25

**Report Date:** March 12, 2021

**Reporting Period:** March 08 to March 11, 2021

## 1 Introduction

This report summarizes the Vo-Toys Removal Action (RA) air monitoring program conducted between March 08 to March 11, 2021, 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 March 08, 2021 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 March 08, 2021. The attached site air monitoring figures show the locations of the meteorological sensors.

**Table 2-1  
Meteorological Monitoring Summary**

Date	Weather
March 08, 2021	Mostly Sunny, high in the mid-40s°F; Winds: 5-10 mph NW (online), 0-5 mph W (site).
March 09, 2021	Mostly Sunny, high in the mid-60s°F; Winds: 5-10 mph SW (online), 5-10 mph W (site).
March 10, 2021	Mostly Sunny, high in the mid-50s°F; Winds: 0-5 mph N (online), 0-5 mph E (site).
March 11, 2021	Mostly Sunny, fog in AM, high in the mid-70s°F; Winds: 0-5 mph E (online), 0-10 mph W (site).

### 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 buildings and were determined based on the location and extent of RA activities and, for exterior RA activities, the prevailing wind direction. Readings were recorded and maintained on site by the Engineer.

#### 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 buildings around the site perimeter: one upwind and up to three downwind. Figures SP-1 through SP-4 show the locations of the site perimeter stations each day. Readings were recorded and maintained on site by the Engineer.

On March 10, 2021, Station 3 exhibited elevated PM<sub>10</sub> readings that exceeded the PM<sub>10</sub> action level. The elevated readings were due to street sweeping on Bergen Street near Station 3. The exceedance was not associated with RA work in either buildings and after the sweeper passed the readings dropped back below the action level.

On March 11, 2021, multiple stations exhibited elevated PM<sub>10</sub> readings that exceeded the PM<sub>10</sub> action level upon startup. The readings remained elevated throughout the day. The elevated readings were attributed to morning fog and lingering haze. All other 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 3-1.

**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>
03/08/2020	Station 1 – West	Upwind	9.3-37.1	0.10-0.22
	Station 2 – North	Downwind	6.1-12.9	0.11-0.21
	Station 3 – Southeast	Downwind	5.3-30.0	0.00-0.00
	Station 4 – Northeast	Downwind	5.7-20.4	0.11-0.19
03/09/2020	Station 1 – West	Upwind	23.7-59.5	0.10-0.47
	Station 2 – North	Downwind	15.1-48.8	0.10-0.24
	Station 3 – Southeast	Downwind	14.9-50.9	0.00-0.00
	Station 4 – Northeast	Downwind	19.1-36.5	0.12-0.20
03/10/2020 <sup>4</sup>	Station 1 – West	Downwind	21.6-58.9	0.10-0.30
	Station 2 – North	Downwind	13.1-46.2	0.11-0.21
	Station 3 – Southeast	Downwind	11.2-104.5	0.00-0.00
	Station 4 – Northeast	Upwind	10.7-60.1	0.10-0.19
03/11/2020 <sup>5</sup>	Station 1 – West	Upwind	56.6-109.9	0.11-0.62
	Station 2 – North	Downwind	45.1-139.4	0.11-0.31
	Station 3 – Southeast	Downwind	47.9-99.5	0.10-0.50
	Station 4 – Northeast	Downwind	46.5-136.5	0.11-0.26

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. PM<sub>10</sub> readings above action levels were attributed to the contractor sweeping Bergen St. near the station
5. PM<sub>10</sub> readings above action levels were attributed to morning fog and lingering haze

### 3.3 Off-Site/Community Air Monitoring

Off-site/community air monitoring for mercury vapors was not required during the week of March 08, 2021 based on Work Area Perimeter and Site Perimeter monitoring results and the tasks being performed on-site.

## 4 Monitoring Equipment

Table 4-1 presents the air monitoring devices used.

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

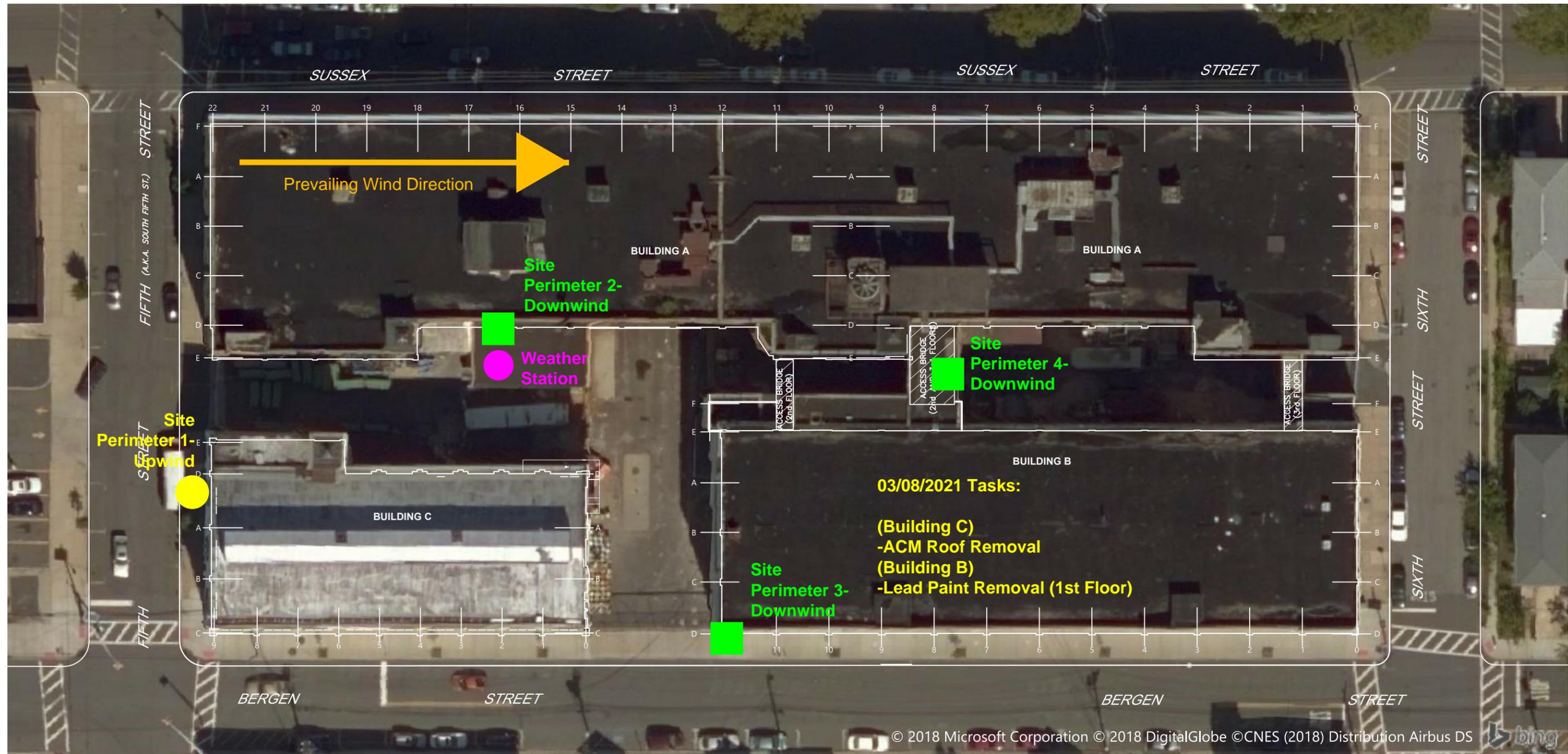
Parameter	Monitoring Equipment
Mercury Vapors – Real Time and Average Concentrations	<ul style="list-style-type: none"> <li>• Jerome Mercury Vapor Analyzer J405 – Arizona Instruments, LLC (work area monitoring, regenerated prior to daily use)</li> <li>• VM 3000 – Mercury Instruments (site perimeter stations,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

On March 02, 2021, the VM-3000 unit at Station 3 had malfunctioned. All the VM-3000 units were in the process of being rotated through the yearly calibration/maintenance process so there was no spare unit onsite. Manual mercury vapor readings were taken every 15 minutes at Station 3 with the Jerome meter. These readings were tabulated in the field application. The faulty meter was sent for maintenance. On March 11, 2021, the spare meter was returned and deployed at Station 3 and manual readings were no longer required.

# Figures

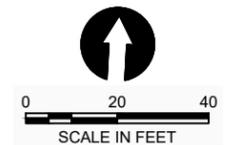
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**SOURCE:** Floor plans compiled from CAD file entitled: "FIG05-REV071615" provided by AMEC Foster Wheeler, Inc. on March 31, 2016. Subsurface utilities and features compiled from CAD file entitled: "NUMBERED\_SITEMAP\_20101" provided by General Electric 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

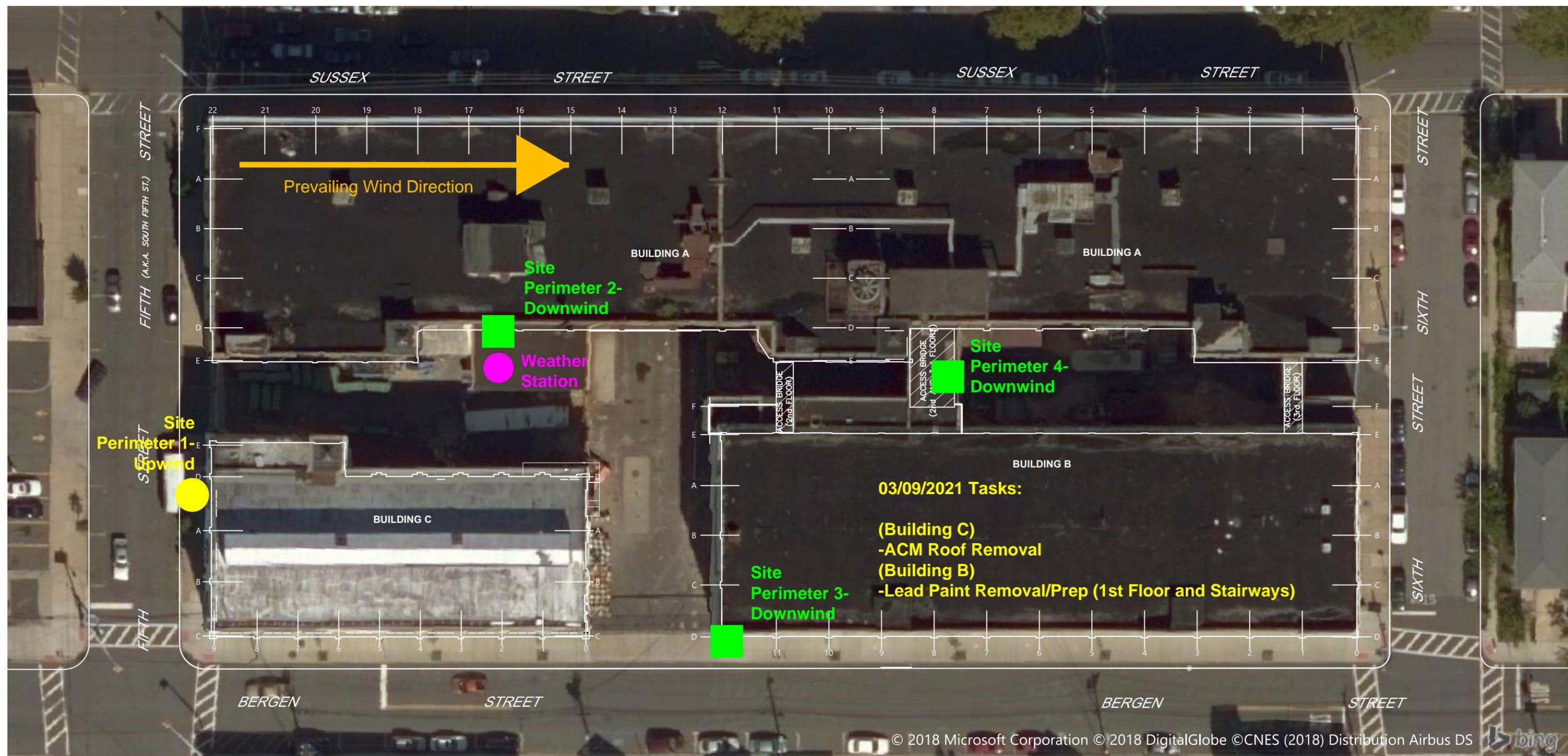


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**Figure SP-1**  
**03/08/2021**  
**Air Monitoring Station Locations**

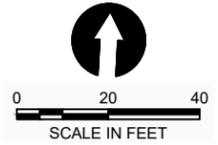
Vo Toys Removal Action  
 General Electric Company



**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).

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

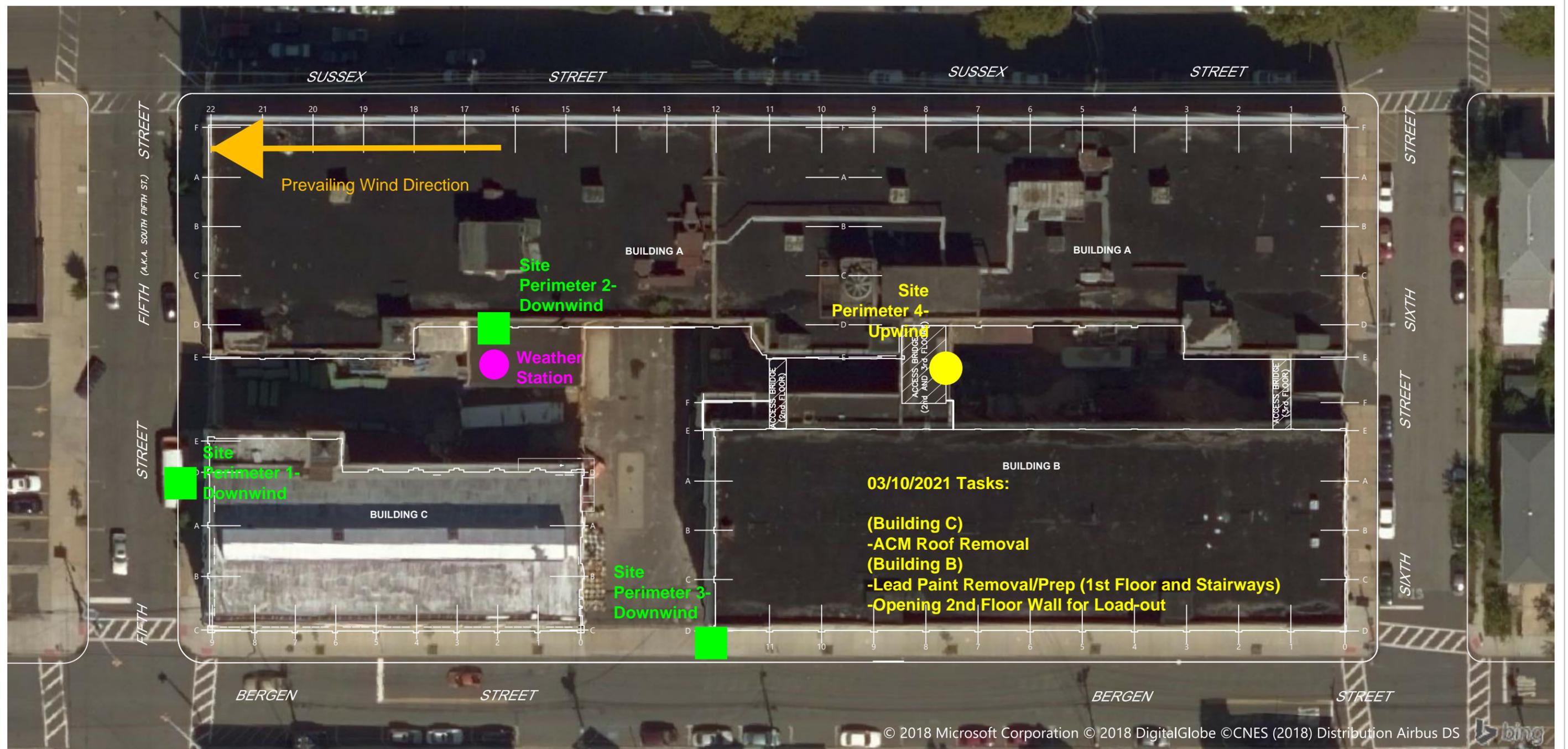
- Site Perimeter Air Monitoring Location
- Upwind Site Perimeter Monitoring Location



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**Figure SP-2**  
**03/09/2021**  
**Air Monitoring Station Locations**  
 Vo Toys Removal Action  
 General Electric Company



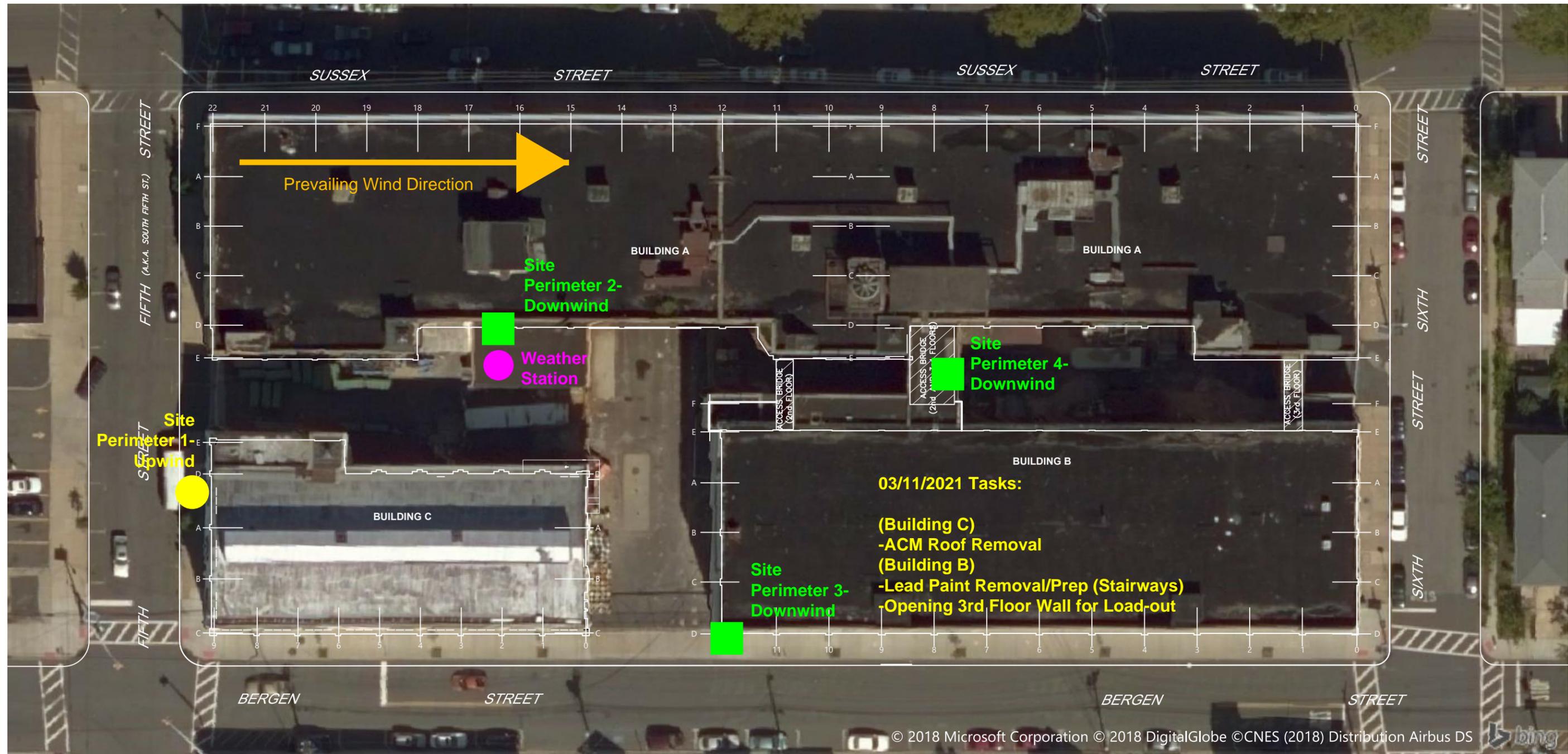
**SOURCE:** Floor plans compiled from CAD file entitled: "FIG05-REV071615" provided by AMEC Foster Wheeler, Inc. on March 31, 2016. Subsurface utilities and features compiled from CAD file entitled: "NUMBERED\_SITEMAP\_20101" provided by General Electric Company on March 3, 2016.  
**HORIZONTAL DATUM:**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

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**Figure SP-3**  
**03/10/2021**  
**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-4**  
**03/11/2021**  
**Air Monitoring Station Locations**

Vo Toys Removal Action  
 General Electric Company