

# WEEKLY PROGRESS STATUS REPORT

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

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

**Report No.:** 6

**Report Date:** September 25, 2020

**Reporting Period:** September 21 to 24, 2020

## 1 Weekly Progress Meeting Attendees – September 24, 2020

Name	Company	Title/Position	On-Site	Call-In
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	✓	
Patricio, Ignacio	Brandenburg	Field Engineer	✓	
Hilinski, Dave	Arcadis	Waste Coordinator	✓	

## 2 Health and Safety

Hours Worked Summary: Brandenburg, Anchor QEA, and Arcadis	
Project to Date as of September 25, 2020	Total Man Hours: 2915

- Daily health and safety meetings were conducted each morning.
- COVID Management Plan Amendment in progress
  - Revisions based on GE policies (e.g., entrance temperature check, trailer capacity signage, regular cleaning of port-a-potties)
  - Revisions to return to work process and defining process for multiple cases (site specific contact tracing, quarantine, testing, site stop work)

- Site personnel to limit close contact (less than 6 feet for 15 or more continuous minutes) with or without a cloth or surgical mask.
- USEPA to provide mercury presentation to site work force on September 29, 2020.

### 3 Work Completed – September 21 to September 24, 2020

#### Brandenburg (RA Contractor)

- Constructed asbestos containments on the second and third floors
- Performed asbestos abatement on the second and third floors
- Removed the staircase in the northeast corner of the first floor
- Removed concrete and underlying cindercrete on the first floor, A1 grid
- Placed demarcation layer and virgin DGA backfill in A1 grid to the top of the adjacent floor slab
- Collected bulk mercury (pinprick size beads) from the concrete adjacent to a steel support column in grid A1.
- Vacuumed lead paint chips from select areas of the first, second and third floors
- Performed general housekeeping of site
- Placed virgin DGA in the elevator pit and in the courtyard to build a ramp into the first floor
- Installed project signs on perimeter fences
- Performed work area air monitoring. A summary of work area air monitoring data is presented in the table below.

#### 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>
9/21/2020	0-9
9/22/2020	0-78
9/23/2020	0-48
9/24/2020	0-41

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)

- Anchor QEA’s contractor ATC, performed asbestos abatement air monitoring.
- Performed work area perimeter, site perimeter, and off-site/community air monitoring in accordance with the CAMP (during intrusive activities). Work area perimeter and site perimeter air monitoring readings were all less than the CAMP action levels. Off-site/community air monitoring results are less than CAMP action levels or are still pending from the lab. A summary of work area perimeter air monitoring data is presented below in the

table below. Site perimeter and off-site 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>)</b> <i>Action Level &lt; 125 ug/m<sup>3</sup></i>	<b>Mercury Vapor 15-Minute Average Range (ug/m<sup>3</sup>)</b> <i>Action Level &lt; 10 ug/m<sup>3</sup></i>
9/21/2020	12.0-54.0	0.0-2.0
9/22/2020	8.0-83.0	0.0-10.0
9/23/2020	20.0-100.0	0.0-8.0
9/24/2020	11.0-78.0	0.0-7.0

Notes:

1. CAMP air monitoring not required based on the site activities
2. ug/m<sup>3</sup>: micrograms per cubic meter
3. 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.
4. Mercury vapor action level: Normal operations if mercury vapor for a single reading is <10 ug/m<sup>3</sup>
5. See CAMP for further details on action levels

- Prepared Weekly Air Monitoring Report (Attachment 1 to this report)

### Arcadis (Waste Coordinator)

- Provided Brandenburg with waste T&D facility contacts for scheduling.

## 4 Anticipated Work for Upcoming Three Weeks

### Brandenburg (RA Contractor)

- Installing cable internet connection to the Engineer's trailer
- Disconnecting water piping for Building C at the main
- Plugging first floor slab holes prior to liner placement
- Removing/plugging pipes in sumps
- Vacuuming loose lead paint chips/residuals from first and second floors
- Preparing Asbestos Abatement Plan Addendum for ACM roof removal
- Installing batten system and containment liner

### Anchor QEA (Engineer and Air Monitor)

- Performing work area perimeter and site perimeter air monitoring in accordance with the CAMP (during intrusive activities).
- GE's fence repair company will repair the fence and privacy screening on the sidewalk fence north of Building A.

- Preparing the episodic hazardous waste notification.

## Arcadis (Waste Coordinator)

- Signing waste T&D documentation.

## 5 Status of Submittal Review

- On September 25, 2020, USEPA provided comments to the Buildings A and B Removal Action Design. Anchor QEA is revising the Removal Action Design based on USEPA comments.

## 6 Community Participation

- On September 23, 2020 a meeting with the local emergency responders (Harrison FD, Harrison PD, and EMS) was held to review roles and responsibilities in the event of a worker injury in Building C or at the site. The following is a summary of actions to be taken in the event of an emergency:
  - Person that places the 911 call to communicate:
    - Site address (400 South Fifth Street, Harrison, NJ). *Don't say "Vo-Toys site" because the 911 dispatcher is in Jersey City and won't know by site name*
    - Injury type
    - Location of individual
    - What the injured person was doing when injury occurred
    - Whether the individual was by themselves (and for how long)
    - Which site entrance to use
    - Air monitoring levels and whether there is a requirement for respirators
  - Tyler (or alternate) to inform the daily HFD group text of the same information via text or call to HFD person on duty.
  - Site personnel to meet emergency responders at the gate provided in the 911 call.
  - Site personnel can also man the alternate gate in case emergency responders come to the wrong gate and can be directed to the correct gate.
  - Anchor QEA, Brandenburg, and/or USEPA to use mercury vapor monitors to evaluate mercury vapor levels in the area of injured person.
  - If the injury is not severe, the person will walk out of the building and decontaminate (if possible), and wait for emergency responders.
  - If injured person can't walk out of the building and the injury is not life threatening, the HFD will bring the injured person out of building for EMS.
  - EMS and HFD personnel will enter the building if the injury is life threatening.
  - USEPA to assist with scanning of emergency responder personnel and clothing, as necessary.

- Anchor QEA to distribute an updated Emergency Site Contact List to the team including the emergency responders.
  - Anchor QEA to place kits at main building entry points that contain tyveks, booties, and poly sheeting for floors to limit direct contact with mercury impacts by emergency responders.
- USEPA will post the Weekly Air Monitoring Reports to their project website each week.

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

- None

## **8 Overall Project Schedule Update**

- None

## **9 Analytical Data Obtained During Reporting Period**

- Following asbestos abatement on the third floor, air clearance samples were collected and sent for analysis. All samples results were less than 0.01 fibers per cubic meter indicating abatement was complete.

## Attachment 1 – Weekly Air Monitoring Report

# WEEKLY AIR MONITORING REPORT

## Building C Removal Action

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

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

**Report No.:** 2

**Report Date:** September 25, 2020

**Reporting Period:** September 21 to September 24, 2020

### 1 Introduction

This report summarizes the Building C Removal Action (RA) air monitoring program conducted between September 21 and September 24, 2020, 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 September 21, 2020 included the following monitoring tasks:

- Meteorological monitoring
- Work area perimeter air monitoring
- Site perimeter air monitoring
- Off-site/Community 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 September 21, 2020. The attached site air monitoring figures show the locations of the meteorological sensors.

**Table 2-1**  
**Meteorological Monitoring Summary**

Date	Weather
September 21, 2020	Mostly sunny, high in the mid-60s F, Winds: 0-10 mph NW (0-10 mph NNE local online). No precipitation.

September 22, 2020	Mostly Sunny, high in the low 70s°F; Winds: 5-15 mph NW (5-15 mph NW online). No precipitation.
September 23, 2020	Mostly Sunny, high in the low 80s°F; Winds: 5-15 mph N in early AM and NW rest of day (5-15 mph NW online). No precipitation.
September 24, 2020	Mostly Cloudy, high upper 70s°F; Winds: 5-15 mph NW (5-15 mph NW online). No precipitation.

### 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 Building C 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 building around the site perimeter: one upwind and up to three downwind. Figures SP-1 through SP-5 show the locations of the site perimeter stations each day. Readings were recorded and maintained on site by the Engineer.

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 3-1.

**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>
9/21/2020	Station 1 - West	Upwind	14.3 - 25.5	0.10 - 0.13
	Station 2 - North	Downwind	6.9 - 34.4	0.50 - 0.92
	Station 3 - Southeast	Downwind	0.1 - 20.2	0.12 - 0.31
	Station 4 - Northeast	Downwind	0.1 - 16.5	0.12 - 0.36
9/22/2020	Station 1 - West	Upwind	16.5 - 78.3	0.10 - 0.18
	Station 2 - North	Downwind	8.2 - 27.1	0.58 - 0.88
	Station 3 - Southeast	Downwind	0.1 - 42	0.15 - 0.35

	Station 4 - Northeast	Downwind	1.5 - 22.5	0.13 - 0.50
9/23/2020	Station 1 - West	Upwind	14.3 - 37.1	0.10 - 0.19
	Station 2 - North	Downwind	12.2 - 30.5	0.62 - 0.91
	Station 3 - Southeast	Downwind	10.7 - 33.7	0.14 - 0.39
	Station 4 - Northeast	Downwind	11.2 - 43.5	0.13 - 0.50
9/24/2020	Station 1 - West	Upwind	30.9 - 79	0.10 - 1.57
	Station 2 - North	Downwind	26.7 - 55.9	0.55 - 1.10
	Station 3 - Southeast	Downwind	28.1 - 80.5	0.11 - 0.42
	Station 4 - Northeast	Downwind	26 - 67.2	0.11 - 0.44

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

### 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 three 8-hour off-site air samples were collected for mercury vapor analysis (one upwind and two downwind). Figures SP-3 through SP-5 show the locations of the Off-site/community air sample locations for the days when sampling was performed.

All mercury vapor off-site/community air monitoring data were below action levels defined in the CAMP.

A summary of off-site/community air monitoring data is presented in Table 3-2

**Table 3-2  
Summary of Mercury Vapor Off-Site/Community Air Monitoring**

Date	Mercury Vapor Monitoring Event	Air Monitoring Station/Location	Upwind/Downwind	Mercury Vapor 8-Hour Sample (ug/m <sup>3</sup> ) Action Level < 4 ug/m <sup>3</sup>
9/22/2020	Asbestos Abatement	Station 1 - West	Upwind	ND
		Station 2 - South	Downwind	ND
		Station 3 - Southeast	Downwind	ND
9/23/2020	Handling Non-Hazardous High Mercury Waste	Station 1 - West	Upwind	ND
		Station 2 - South	Downwind	ND
		Station 3 - Southeast	Downwind	0.025 J
9/24/2020	Handling Non-Hazardous High Mercury Waste	Station 1 - West	Upwind	0.034 J
		Station 2 - South	Downwind	0.038 J
		Station 3 - Southeast	Downwind	0.018 J

Notes:

1. J = Estimated value. The concentration is below the reporting/quantitation limit, but above the method detection limit.
2. ND = Not detected at a concentration above the laboratory detection limit
2. Mercury vapor action level: Normal operations if 8-hour mercury sample is < 4 ug/m<sup>3</sup>
3. See CAMP for further details on action levels

## 4 Monitoring Equipment

Table 4-1 presents the air monitoring devices used.

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

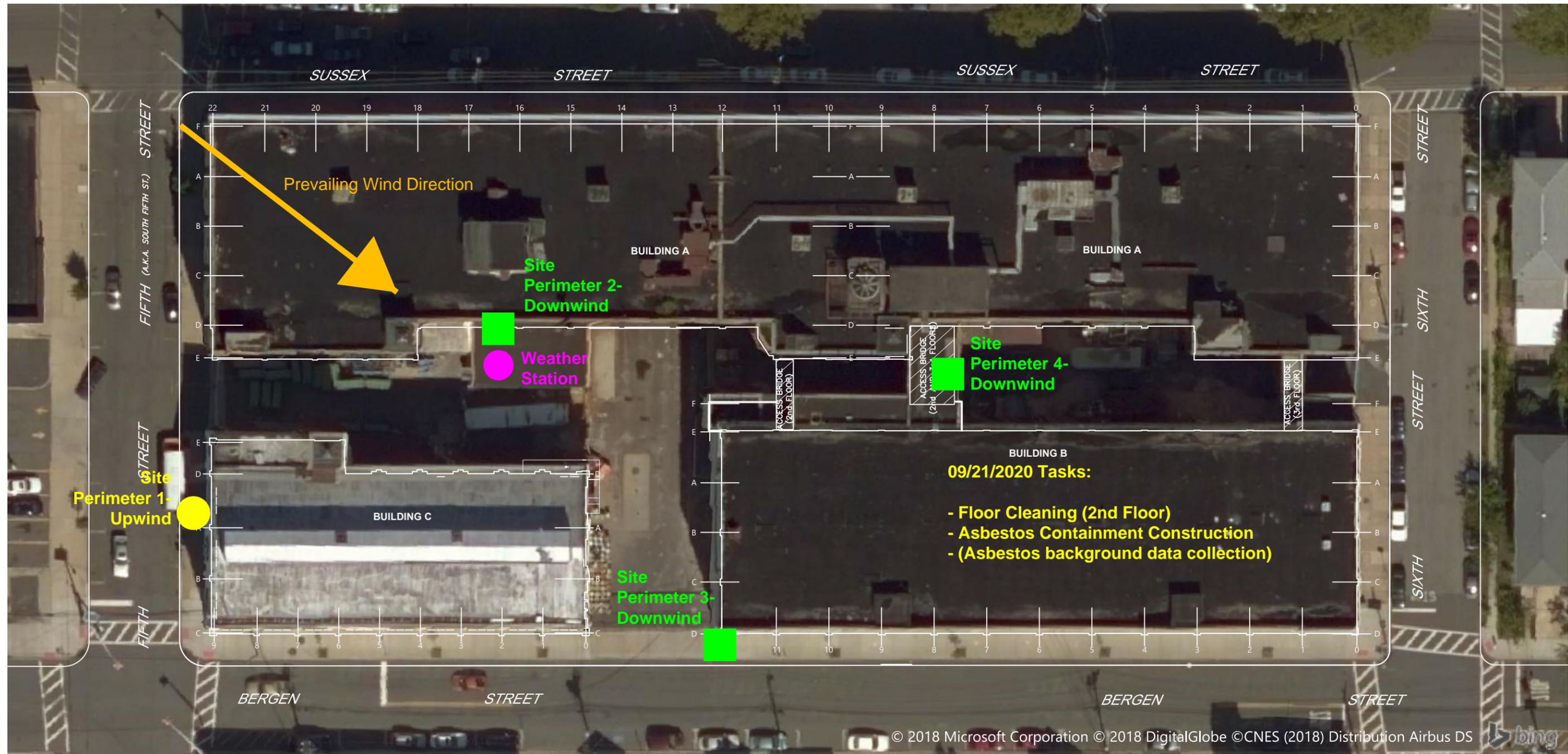
Parameter	Monitoring Equipment
Mercury Vapors – Real Time and Average Concentrations	<ul style="list-style-type: none"> <li>Jerome Mercury Vapor Analyzer J405 – Arizona Instruments, LLC (work area monitoring, regenerated prior to daily use)</li> <li>VM 3000 – Mercury Instruments (site perimeter stations, 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>
Mercury Vapors – 8-hour Average Concentrations via NIOSH 6009	<ul style="list-style-type: none"> <li>Sensidyne Gilian GilAir 3 air sampling pump (low flow module)</li> <li>Mesa Labs Defender 500 series air sampling pump flow calibrator</li> <li>Solid sorbent glass tubes containing Hopcalite</li> </ul>

## 5 Issues or Potential Modifications to the CAMP

None

# Figures

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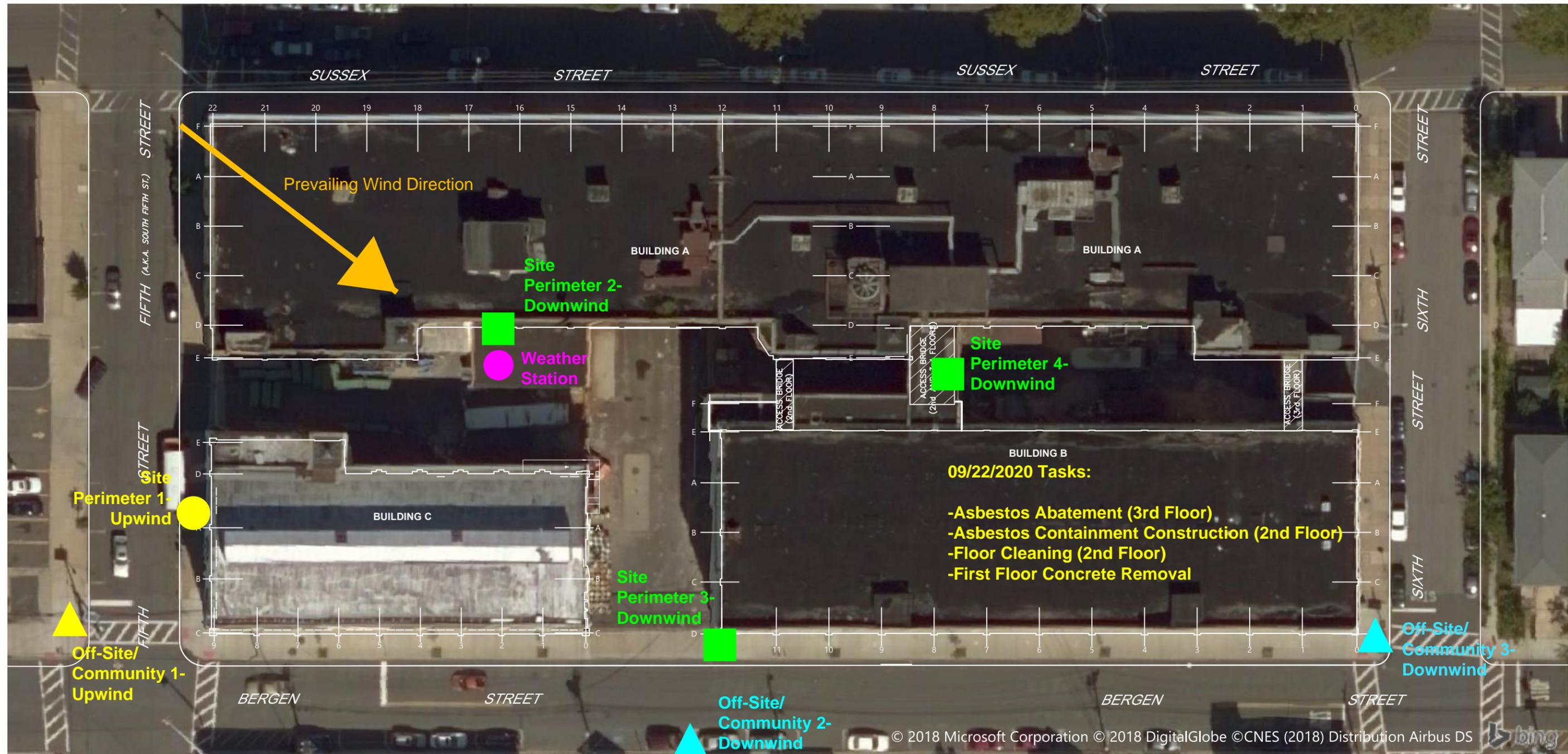


**SOURCE:** Floor plans compiled from CAD file entitled: "FIG05-REV071615" provided by AMEC Foster Wheeler, Inc. on March 31, 2016. Subsurface utilities and features compiled from CAD file entitled: "NUMBERED\_SITEMAP\_20101" provided by General Electric Company on March 3, 2016.  
**HORIZONTAL DATUM:**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

Publish Date: 2019/01/03 4:00 PM | User: rpetrie  
 Filepath: K:\Projects\0469-General Electric\VO-Toys\FIGURES - NJ83F\0469-RP-000 (NJ83F-Aerial).dwg Site Layout



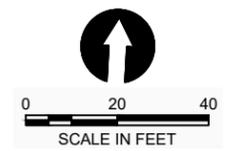
**Figure SP-1**  
**09/21/2020**  
**Air Monitoring Station Locations**  
 Vo-Toys Site Building C Removal Action  
 General Electric Company



**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

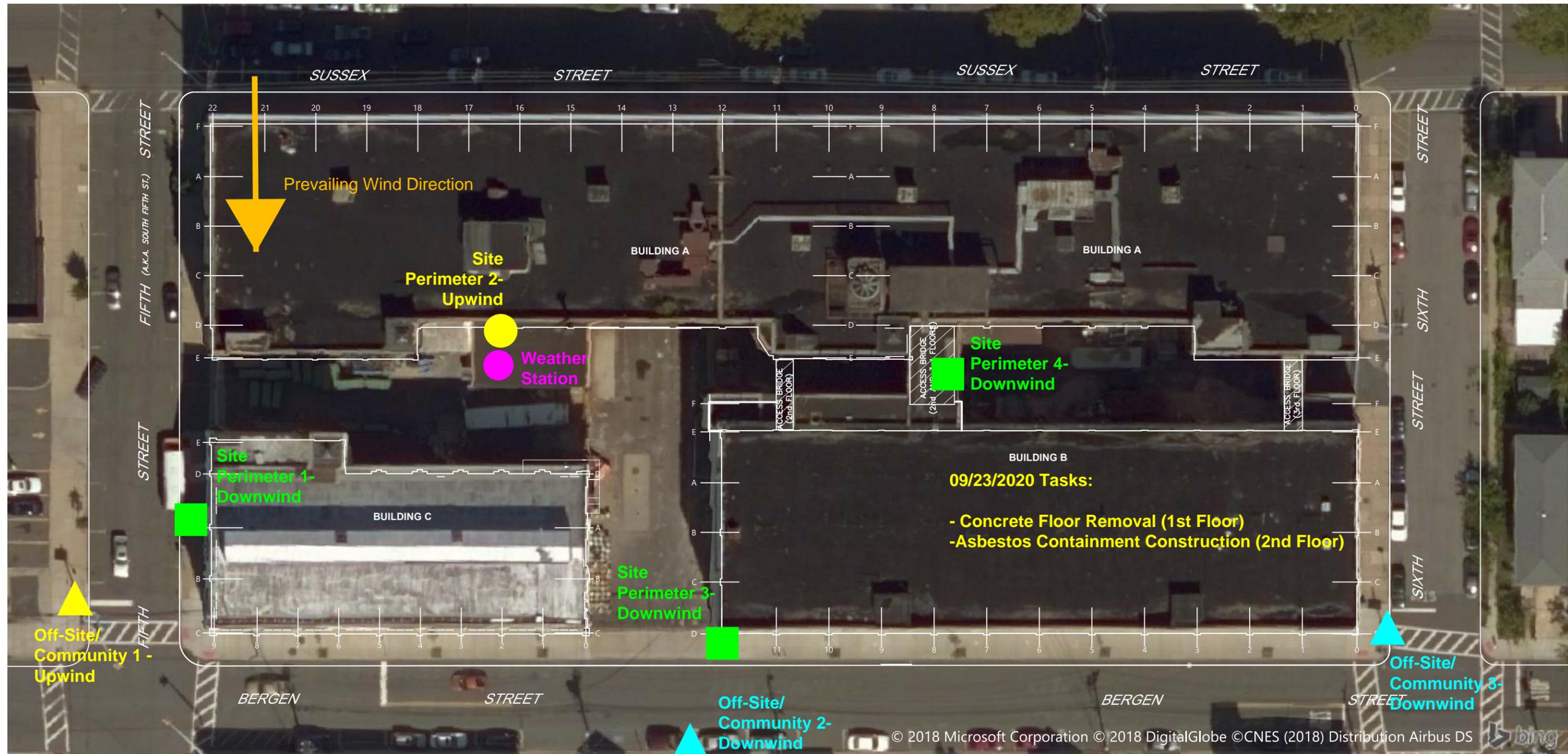
- Site Perimeter Air Monitoring Location
- Upwind Site Perimeter Monitoring Location
- ▲ Off-site/Community Air Monitoring Location (Yellow is upwind off-site location)



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**Figure SP-2**  
**09/22/2020**  
**Air Monitoring Station Locations**  
 Vo-Toys Site Building C Removal Action  
 General Electric Company

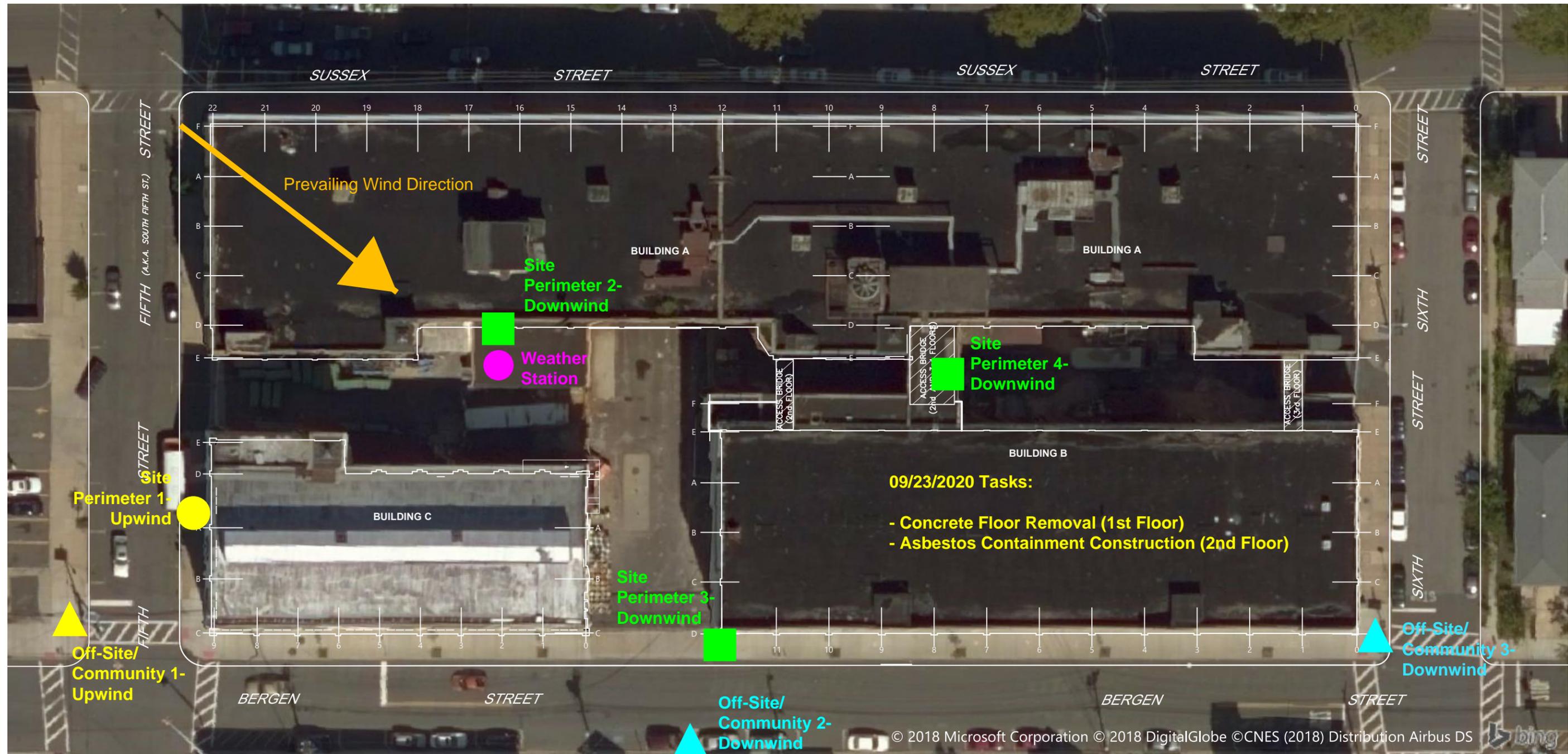


**SOURCE:** Floor plans compiled from CAD file entitled: "FIG05-REV071615" provided by AMEC Foster Wheeler, Inc. on March 31, 2016. Subsurface utilities and features compiled from CAD file entitled: "NUMBERED\_SITEMAP\_20101" provided by General Electric Company on March 3, 2016.  
**HORIZONTAL DATUM:**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

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**Figure SP-3**  
**09/23/2020 AM**  
**Air Monitoring Station Locations**  
 Vo-Toys Site Building C Removal Action  
 General Electric Company

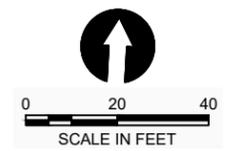




**SOURCE:** Floor plans compiled from CAD file entitled: "FIG05-REV071615" provided by AMEC Foster Wheeler, Inc. on March 31, 2016. Subsurface utilities and features compiled from CAD file entitled: "NUMBERED\_SITEMAP\_20101" provided by General Electric Company on March 3, 2016.  
**HORIZONTAL DATUM:**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

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

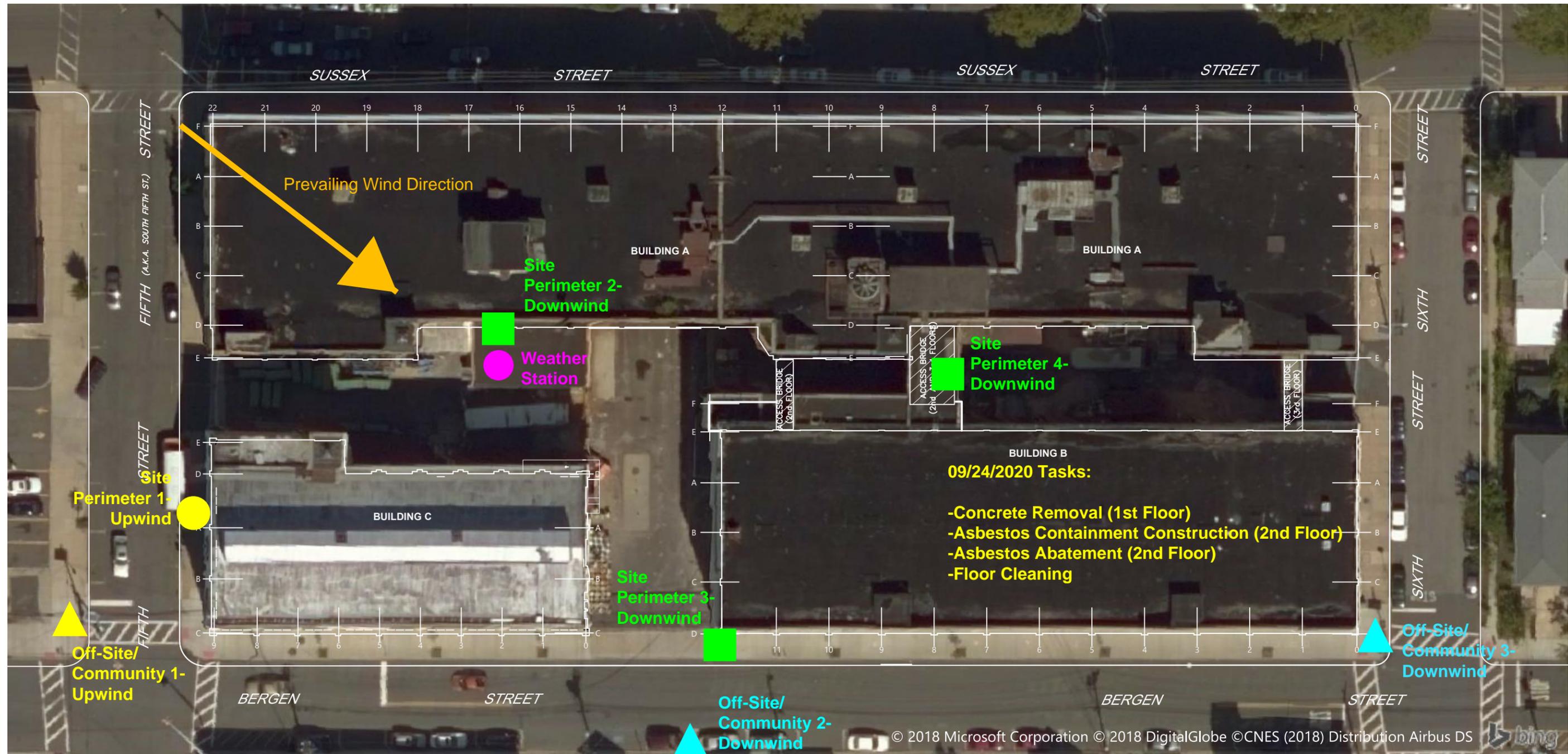
- Site Perimeter Air Monitoring Location
- Upwind Site Perimeter Monitoring Location
- ▲ Off-site/Community Air Monitoring Location (Yellow is upwind off-site location)



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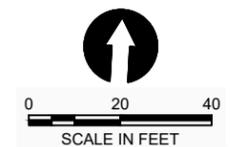
**Figure SP-4**  
**09/23/2020 PM**  
**Air Monitoring Station Locations**  
 Vo-Toys Site Building C Removal Action  
 General Electric Company



**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.  
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**VERTICAL DATUM:** (None).

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

- Site Perimeter Air Monitoring Location
- Upwind Site Perimeter Monitoring Location
- ▲ Off-site/Community Air Monitoring Location (Yellow is upwind off-site location)



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**Figure SP-5**  
**09/24/2020**  
**Air Monitoring Station Locations**  
 Vo-Toys Site Building C Removal Action  
 General Electric Company