

# WEEKLY PROGRESS STATUS REPORT

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

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

**Report No.:** 30

**Report Date:** March 19, 2021

**Reporting Period:** March 15 to March 18, 2021

## 1 Weekly Progress Meeting – March 18, 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 18, 2021	Total Man Hours: 17793

- Daily health and safety meetings were conducted each morning.
- 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.
- On March 17, 2021 police arrived at the site in response to a noise complaint by someone in the neighborhood. The noise complaint was due to a waste rolloff dropoff at 6:30 AM. The

situation was explained to the police and Brandenburg directed the waste transporter not to arrive at the site prior to 7:00 AM.

- The importance of using work methods to prevent potential tracking of mercury impacts was discussed.

### 3 Work Completed – March 15 to March 18, 2021

#### Brandenburg (RA Contractor)

##### Building C

- Removed asbestos-containing roofing on Building C.
- Contacted DPW to get approval of proposed methodology for cutting and capping sanitary lines.

##### Building B

- Removed loose lead-based paint on the second floor.
- Removed debris from the first floor and placed in rolloff container.
- Sealed window openings and voids in the walls.
- Performed a pilot test for the application of mercury vapor suppressants.
- Installed string lights for temporary lighting.
- Cleaned out residuals and paint chips from the elevator pit.
- Removed residuals and debris from sumps/drains.
- Performed work area air monitoring. A summary of work area air monitoring data is presented in the table below.
- Prepared revisions for the 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>	
3/15/2021	0-1
3/16/2021	0-1
3/17/2021	0-1
3/18/2021	0-1

Notes:

1. ug/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 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 17, 2021, two site perimeter monitoring stations exhibited elevated PM<sub>10</sub> readings that exceeded the PM<sub>10</sub> action level. The elevated readings did not coincide and were singular anomalous spikes that appeared unrelated to RA work activities.

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 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

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 C</b>		
3/15/2021	No Building C work	
3/16/2021	25.0 – 45.0	0.0 – 0.0
3/17/2021	38.0 – 68.0	0.0 – 0.0
3/18/2021	50.0 – 78.0	0.0 – 0.0
<b>Building B</b>		
3/15/2021	6.0 – 21.0	0.0 – 0.0
3/16/2021	18.0 – 22.0	0.0 – 0.0
3/17/2021	31.0 – 47.0	0.0 – 0.0
3/18/2021	35.0 – 60.0	0.0 – 0.0

Notes:

1. ug/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)

- The second notification of episodic waste generation was approved.
- No wastes were shipped from the site this week.

# 4 Anticipated Work for Upcoming Three Weeks

## Brandenburg (RA Contractor)

### Building C

- Completing removal of 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 the 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 along the curblineline of 6<sup>th</sup> Street.
- 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 flooring on the first floor.
- Installing first floor containment liner.
- Removing flooring on the second and third 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

- None

## 6 Community Participation

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

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

- On March 15, 2021, Building C roofing removal was discontinued for the day due to high winds.

## 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.:** 26

**Report Date:** March 19, 2021

**Reporting Period:** March 15 to March 18, 2021

## 1 Introduction

This report summarizes the Vo-Toys Removal Action (RA) air monitoring program conducted between March 15 to March 18, 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 15, 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 15, 2021. The attached site air monitoring figures show the locations of the meteorological sensors.

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

Date	Weather
March 15, 2021	Mostly Sunny, high in the mid-30s°F; Winds: 10-25 mph NW (online), 0-15 mph W (site).
March 16, 2021	Cloudy, high in the mid-30s°F; Winds: 5-10 mph N (online), 0-5 mph E (site).
March 17, 2021	Cloudy, high in the upper-40s°F; Winds: 5-10 mph N (online), 0-5 mph E (site).
March 18, 2021	Cloudy, rain starting in AM and continuing throughout the day, high in the upper-40s°F; Winds: 5-10 mph NE (online), 0-5 mph E (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 17, 2021, Stations 1 and 2 exhibited elevated PM<sub>10</sub> readings that exceeded the PM<sub>10</sub> action level. The elevated readings did not coincide and were singular anomalous spikes that appeared unrelated to RA work activities.

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>
03/15/2020	Station 1 – West	Upwind	4.1-20.1	0.10-0.25
	Station 2 – North	Downwind	4.8-14.0	0.12-0.24
	Station 3 – Southeast	Downwind	2.2-29.6	0.13-0.24
	Station 4 – Northeast	Downwind	1.7-25.8	0.12-0.19
03/16/2020	Station 1 – West	Downwind	11.7-79.9	0.10-0.26
	Station 2 – North	Downwind	8.5-30.7	0.10-0.19
	Station 3 – Southeast	Downwind	5.3-18.6	0.10-0.18
	Station 4 – Northeast	Upwind	4.5-11.1	0.12-0.18
03/17/2020 <sup>4</sup>	Station 1 – West	Downwind	13.9-177.5	0.10-0.26
	Station 2 – North	Downwind	13.9-100.2	0.12-0.24
	Station 3 – Southeast	Downwind	7.0-49.8	0.10-0.16
	Station 4 – Northeast	Upwind	6.8-40.0	0.12-0.19
03/18/2020	Station 1 – West	Downwind	31.5-50.1	0.10-0.19
	Station 2 – North	Downwind	26.5-69.7	0.10-0.14
	Station 3 – Southeast	Downwind	25.5-43.6	0.10-0.10
	Station 4 – Northeast	Upwind	18.8-32.3	0.12-0.14

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 singular anomalous spikes that appeared unrelated to work activities.

### 3.3 Off-Site/Community Air Monitoring

Off-site/community air monitoring for mercury vapors was not required during the week of March 15, 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**

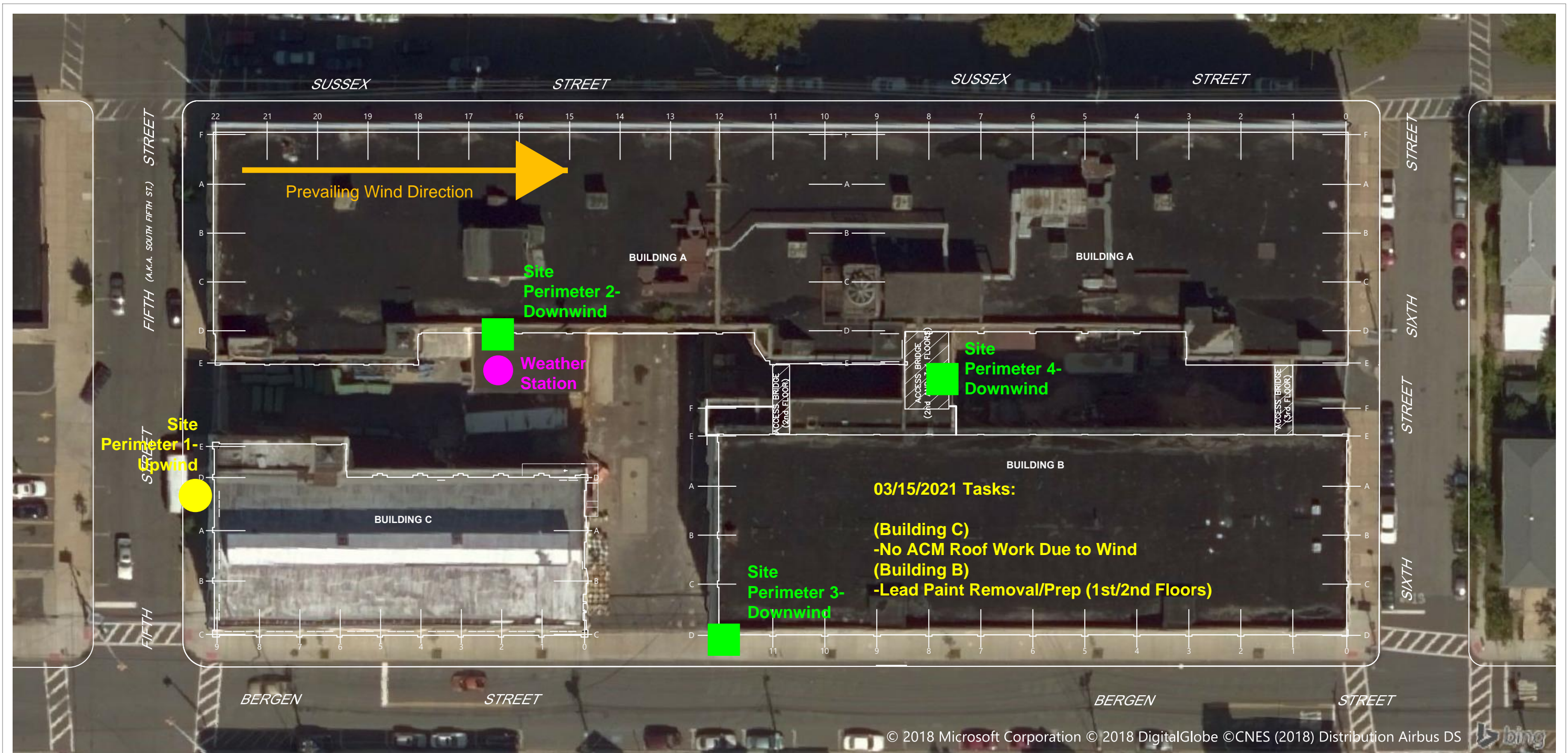
Parameter	Monitoring Equipment
Mercury Vapors – Real Time and Average Concentrations	<ul style="list-style-type: none"> <li>Jerome Mercury Vapor Analyzer J405 – Arizona Instruments, LLC (work area monitoring, regenerated prior to daily use)</li> <li>VM 3000 – Mercury Instruments (site perimeter stations,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

None

## Figures

---



**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.

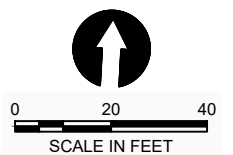
**HORIZONTAL DATUM:** New Jersey State Plane, North American Datum 1983, U.S. Feet (NJ83F).

**VERTICAL DATUM:** (None).

**LEGEND**

A,1 — — — BUILDING COLUMN LINE

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



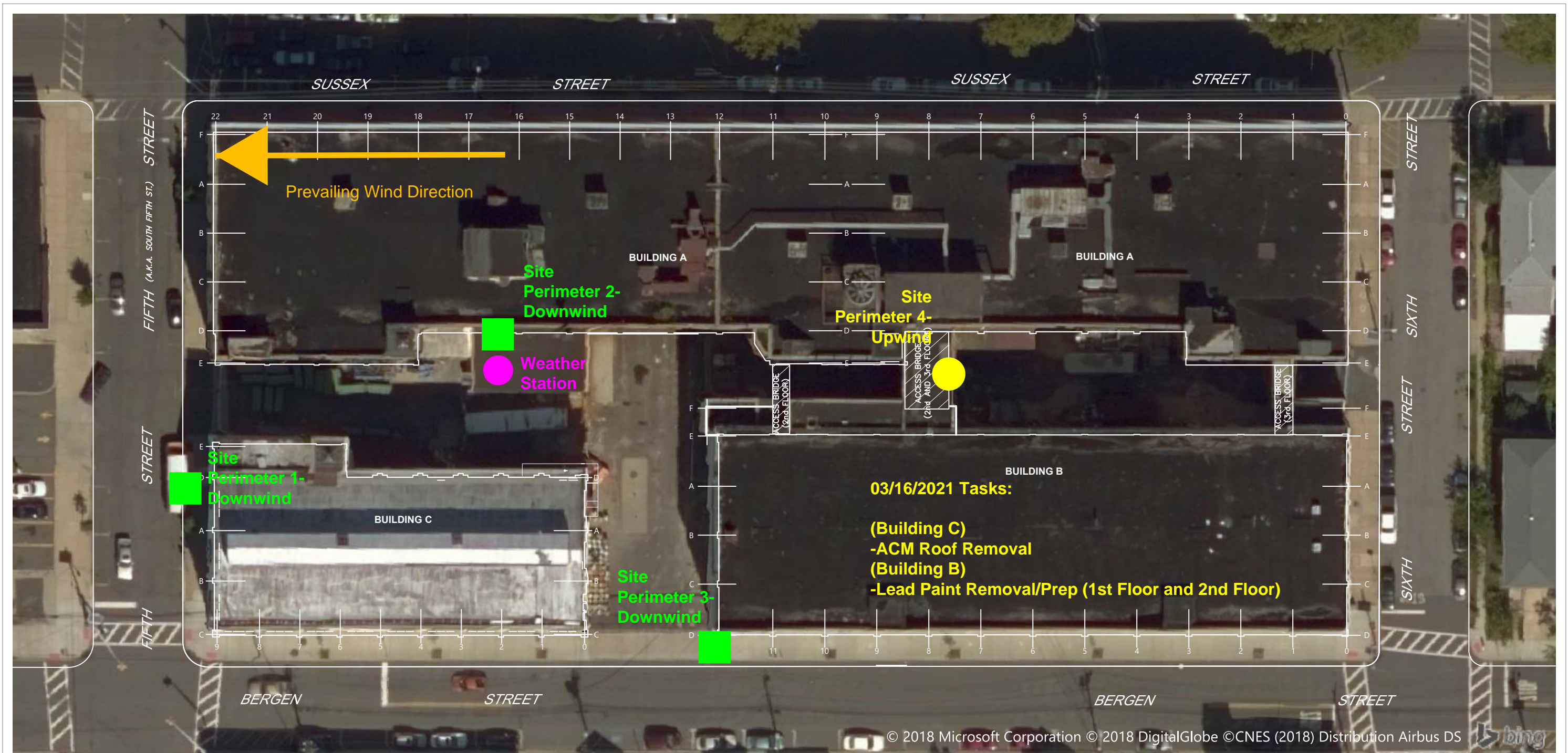
Publish Date: 2019/01/03 4:00 PM | User: rpetrie  
Filepath: K:\Projects\0469-General Electric\VO-Toys\FIGURES - NJ83F\0469-RP-000 (NJ83F-Aerial).dwg Site Layout



**Figure SP-1**  
**03/15/2021**  
**Air Monitoring Station Locations**

Vo Toys Removal Action  
General Electric Company

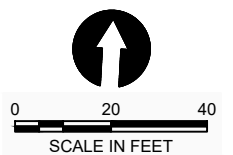




**SOURCE:** Floor plans compiled from CAD file entitled: "FIG05-REV071615" provided by AMEC Foster Wheeler, Inc. on March 31, 2016. Subsurface utilities and features compiled from CAD file entitled: "NUMBERED\_SITEMAP\_20101" provided by General Electric Company on March 3, 2016.  
**HORIZONTAL DATUM:** 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



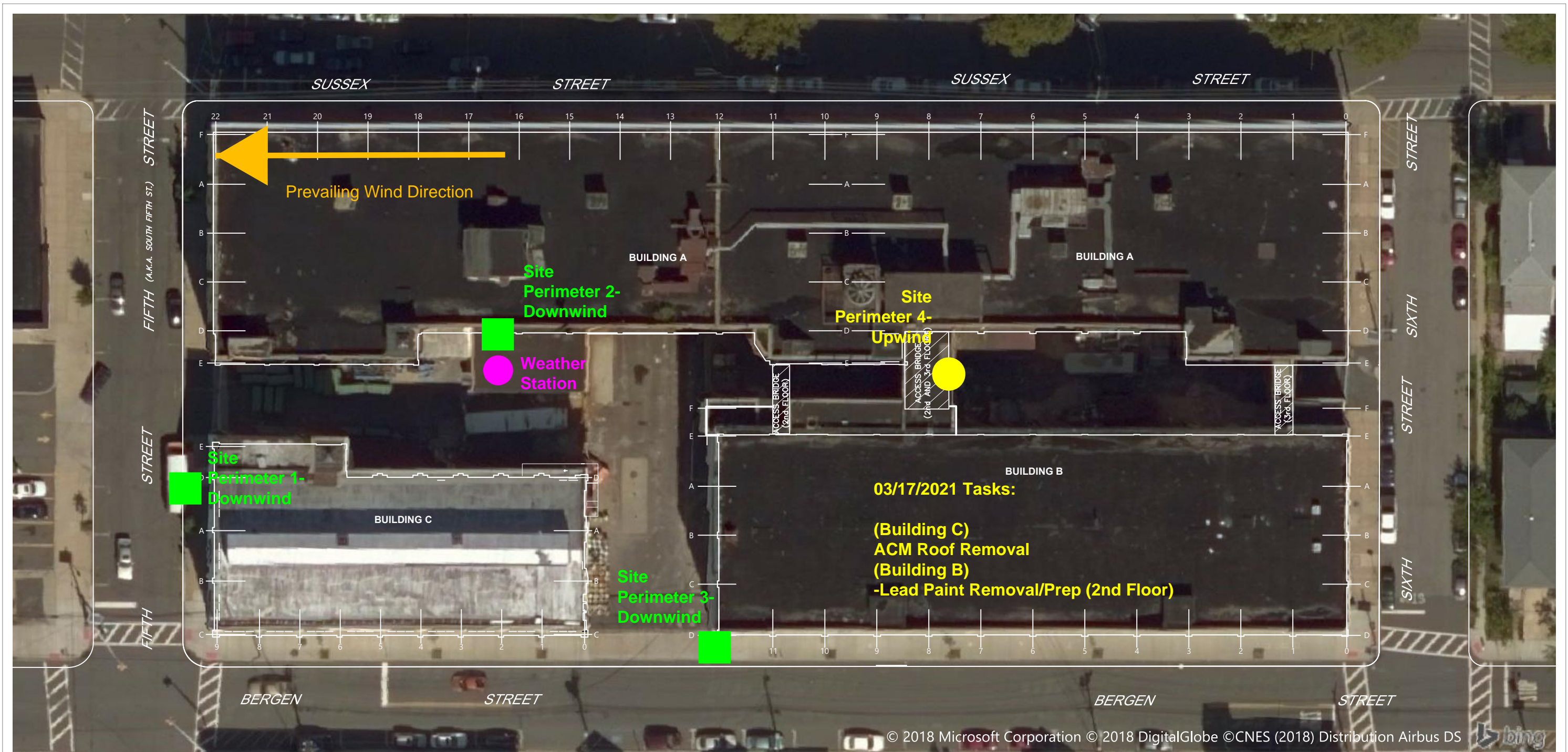
Publish Date: 2019/01/03 4:00 PM | User: rpetrie  
 Filepath: K:\Projects\0469-General Electric\VO-Toys\FIGURES - NJ83F\0469-RP-000 (NJ83F-Aerial).dwg Site Layout



**Figure SP-2**  
**03/16/2021**  
**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).

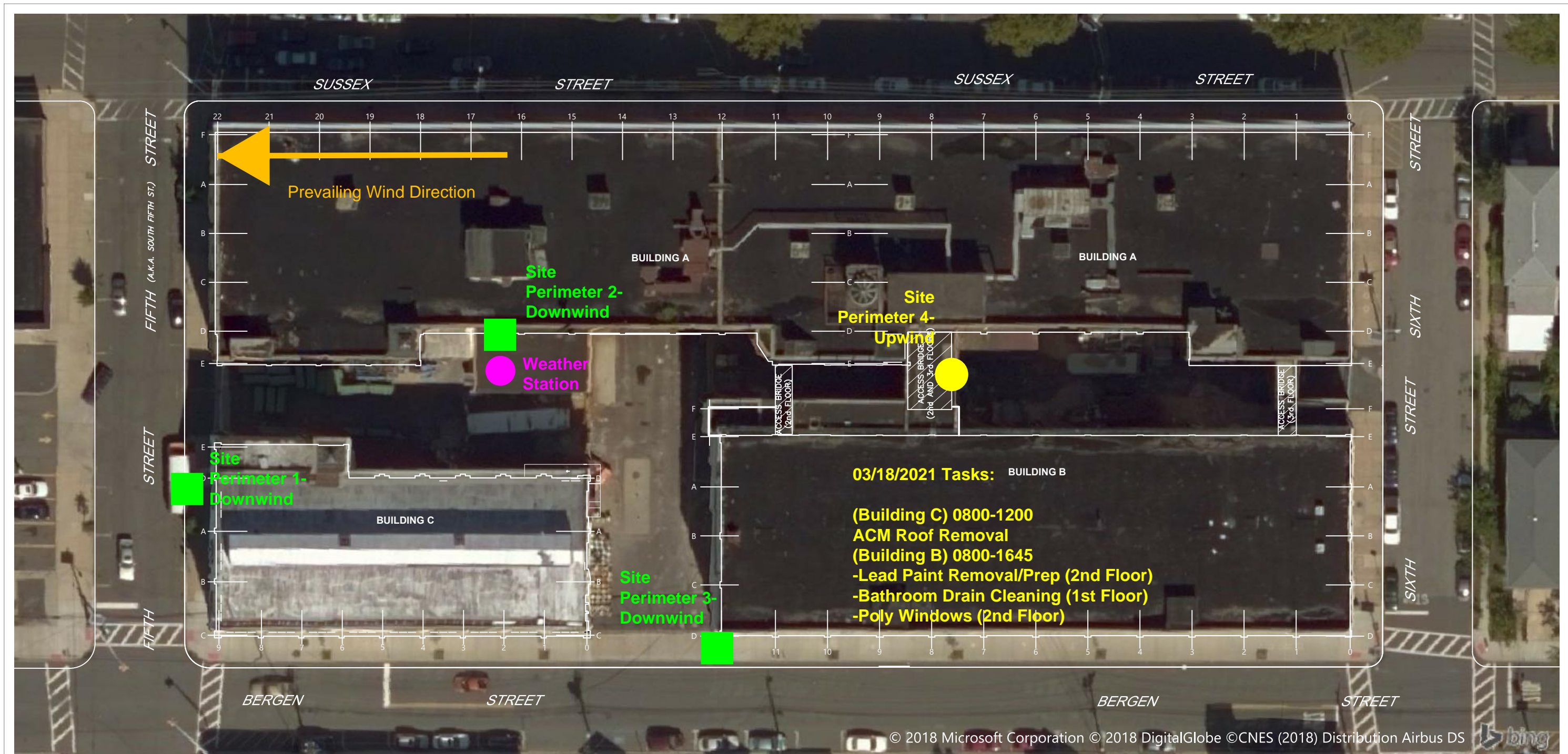
Publish Date: 2019/01/03 4:00 PM | User: rpetrie  
 Filepath: K:\Projects\0469-General Electric\VO-Toys\FIGURES - NJ83F\0469-RP-000 (NJ83F-Aerial).dwg Site Layout



**Figure SP-3**  
**03/17/2021**  
**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).

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-4**  
**03/18/2021**  
**Air Monitoring Station Locations**

Vo Toys Removal Action  
 General Electric Company