

WEEKLY PROGRESS STATUS REPORT

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

CERCLA Docket No.: 02-2019-2028

Report No.: 28

Report Date: March 5, 2021

Reporting Period: March 1 to March 4, 2021

1 Weekly Progress Meeting – March 4, 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

Hours Worked Summary: Brandenburg, Anchor QEA, and Arcadis	
Project to Date as of March 4, 2021	Total Man Hours: 16181

- Daily health and safety meetings were conducted each morning.
- On March 3, 2021, the individual who the previous week cut the privacy screening on the site perimeter fence and shouted obscenities at Brandenburg personnel returned. This day he approached the fence along Bergen Street and shouted at Brandenburg personnel. The police were called but were unable to make contact with the individual who they had determined was a resident on Bergen Street. The police are aware of this individual and will continue patrols in the area.

- Brandenburg continues to implement COVID-19 management protocols. Their job trailer and radios are cleaned and disinfected daily and cleaning activities are documented. While several of their site personnel eat lunch in their vehicles, the remaining personnel who eat lunch in the trailer are socially distanced and only remove their masks while eating.
- Anchor QEA continues to disinfect their trailer on a daily basis and document the cleaning activities.

3 Work Completed – March 1 to March 4, 2021

Brandenburg (RA Contractor)

Building C

- Removed asbestos-containing roofing on Building C.
- Performed work area air monitoring. A summary of work area air monitoring data is presented in the table below.

Building B

- Completed universal waste removal from the interior of Building B.
- Commenced loose lead-based paint removal on the first floor of Building B.
- Marked out/labeled utilities to protect/disconnect in Building B.
- Relocated USPS relay boxes from the corner of 5th and Sussex Streets and the corner of 6th and Bergen Streets to the opposite side of the street.
- 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 ³) <i>Respiratory Protection Upgrade Action Level 25 ug/m³</i>
Building C	
3/1/2021	0-0
3/2/2021	0-0
3/3/2021	0-0
3/4/2021	No work performed
Building B	
3/4/2021	0-0

Notes:

1. µg/m³: micrograms per cubic meter
2. See POP HASP for further details on action levels

Anchor QEA (Engineer and Air Monitor)

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

On March 01, 2021, perimeter air monitoring Station 2 exhibited elevated PM₁₀ readings upon startup and throughout the morning. The elevated readings were attributed to atmospheric particulate in the form of moisture from the light rain.

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 PM₁₀ and Mercury Vapor

Date	PM ₁₀ 15-Minute Average Range (ug/m ³) Action Level < 125 ug/m ³	Mercury Vapor 15-Minute Average Range (ug/m ³) Action Level < 10 ug/m ³
Building C		
3/1/2021	30.0 – 66.0	0.0 – 0.0
3/2/2021	4.0 – 8.0	0.0 – 0.0
3/3/2021	17.0 – 33.0	0.0 – 0.0
3/4/2021	37.0 – 65.0	0.0 – 0.0
Building B		
3/4/2021	37.0 – 72.0	0.0 – 0.0

Notes:

1. ug/m³: micrograms per cubic meter
2. PM₁₀ action levels: Normal operations if 15-minute average of PM₁₀ readings is <125 ug/m³. If readings > 125 ug/m³ additional actions would be required per CAMP.
3. Mercury vapor action level: Normal operations if mercury vapor for a single reading is <10 ug/m³
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	4.42 Tons*
Hazardous Debris, Low Mercury	WMI Emelle Landfill, AL	1 Load/ 5 Containers	1.0 Tons*

Note: *=Based on manifested volume, scale ticket has not been received yet

4 Anticipated Work for Upcoming Three Weeks

Brandenburg (RA Contractor)

Building C

- Removing asbestos-containing roofing on Building C.
- Preparing site for Building C demolition and related waste loadout.
- Placing cushion material on the liner in Building C.
- Preparing a diagram of the waste loadout process during the Building C superstructure demolition.
- 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.
- Cleaning out elevator pit in Building B.
- Sealing window openings in Building B.
- Confirming Building B utility disconnects with utility service providers.
- Saw cutting concrete floors in Building B.
- Installing fencing/barrier in the parking lane of 6th Street
- Addressing comments on the Site Construction Plan, Asbestos Abatement Plan, and HASP for Buildings A and B POP.

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
- Addressing USEPA's comments on the Draft POP.
- Coordinating the Building C Pre-Demolition Inspection meeting with EPA and Brandenburg.

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 has posted a fact sheet regarding upcoming demolition to their project website and will mail the fact sheet to the community. USEPA will also 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

- High winds (gusts exceeding 28 miles per hour) on March 2 and March 4, 2021 caused Brandenburg to discontinue roofing removal activities for those days. The completion of Building C roofing removal activities has been extended two days.

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 A and B commenced this week.

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.: 24

Report Date: March 05, 2021

Reporting Period: March 01 to March 04, 2021

1 Introduction

This report summarizes the Vo-Toys Removal Action (RA) air monitoring program conducted between March 01 to March 04, 2021, at the Vo-Toys site located at 400 South 5th Street, Harrison, New Jersey (the site). Air monitoring for particulates less than 10 microns in diameter (PM₁₀) and mercury vapor was conducted in accordance with the U.S. Environmental Protection Agency (USEPA)-approved Community Air Monitoring Plan (CAMP). PM₁₀ and mercury vapor results were compared with action levels presented in the CAMP.

Air monitoring during the week of March 01, 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 01, 2021. The attached site air monitoring figures show the locations of the meteorological sensors.

**Table 2-1
Meteorological Monitoring Summary**

Date	Weather
March 01, 2021	Mostly Cloudy, high in the mid-40s°F; rain in AM. Winds: 0-5 mph NW (online), stronger winds in PM, 5-10 mph NW (site).
March 02, 2021	Mostly Sunny, high in the mid-30s°F; rain in the AM. Winds: 15-25 mph WNW (online), 5-10 mph W (site).
March 03, 2021	Mostly Sunny, high in the mid-40s°F; Winds: 5-15 mph SW (online), 0-10 mph W (site).
March 04, 2021	Mostly Sunny, high in the mid-40s°F; Winds: 10-20 mph SW (online), 10-20 mph W (site).

3 PM₁₀ 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 (PM₁₀) 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 01, 2021, Station 2 exhibited elevated PM₁₀ readings upon startup and throughout the morning. The elevated readings were attributed to atmospheric particulate in the form of moisture from the light rain.

All other PM₁₀ 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 PM₁₀ and Mercury Vapor Site Perimeter Air Monitoring**

Date	Air Monitoring Station/Location	Upwind/Downwind	PM ₁₀ 15-Minute Average Range (ug/m ³) Action Level <100 ug/m ³	Mercury Vapor 15-Minute Average Range (ug/m ³) Action Level <10 ug/m ³
03/01/2020 ⁴	Station 1 – West	Upwind	12.7-67.7	0.10-0.19
	Station 2 – North	Downwind	6.3-145.5	0.11-0.36
	Station 3 – Southeast	Downwind	10.3-63.6	0.10-0.10
	Station 4 – Northeast	Downwind	7.2-50.9	0.10-0.16
03/02/2020	Station 1 – West	Upwind	7.7-18.1	0.10-0.29
	Station 2 – North	Downwind	2.6-7.6	0.14-0.19
	Station 3 – Southeast	Downwind	6.0-11.7	0.00-0.00
	Station 4 – Northeast	Downwind	2.2-9.7	0.13-0.20
03/03/2020	Station 1 – West	Upwind	20.0-38.5	0.10-0.29
	Station 2 – North	Downwind	11.8-23.9	0.11-0.19
	Station 3 – Southeast	Downwind	12.9-33.0	0.00-0.00
	Station 4 – Northeast	Downwind	13.3-29.0	0.11-0.16
03/04/2020	Station 1 – West	Upwind	10.9-48.0	0.10-0.30
	Station 2 – North	Downwind	3.9-36.6	0.13-0.21
	Station 3 – Southeast	Downwind	6.9-72.0	0.00-0.00
	Station 4 – Northeast	Downwind	5.9-42.8	0.12-0.18

Notes:

1. PM₁₀ action level: Normal operations if PM₁₀ <100 ug/m³
2. Mercury vapor action level: Normal operations if 15-minute average of MVA readings is <10 ug/m³
3. See CAMP for further details on action levels
4. PM₁₀ readings above action levels were attributed moisture/light rain

3.3 Off-Site/Community Air Monitoring

Off-site/community air monitoring for mercury vapors was not required during the week of March 01, 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.

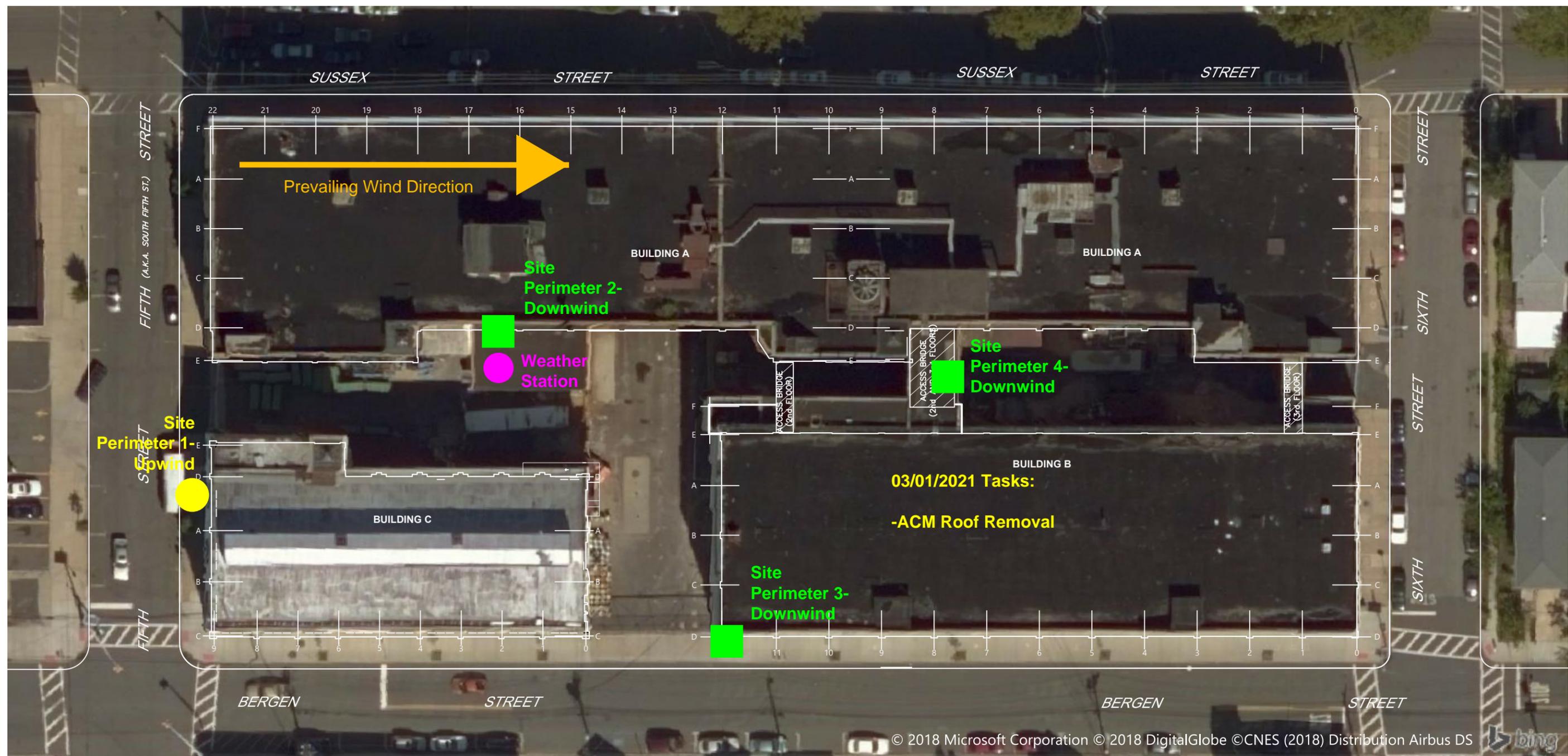
**Table 4-1
Monitoring Equipment and Calibration**

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

5 Issues or Potential Modifications to the CAMP

On March 02, 2021, the VM-3000 unit at Station 3 malfunctioned. All the VM-3000 units are 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 and calibration and the spare unit should return next week.

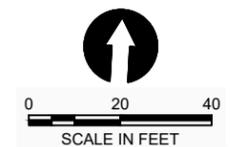
Figures



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

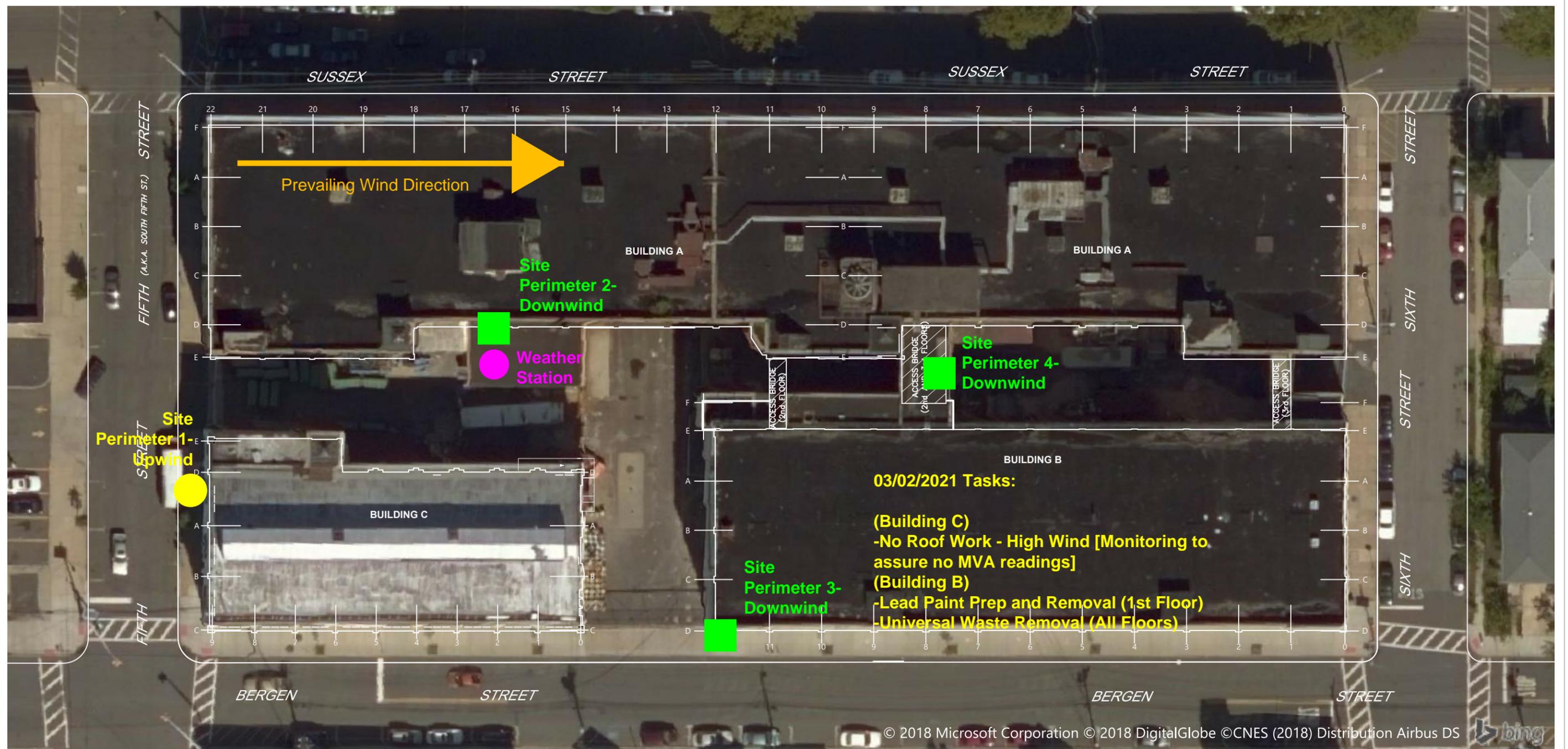


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Figure SP-1
03/01/2021
Air Monitoring Station Locations

Vo Toys Site Building C Removal Action
 General Electric Company

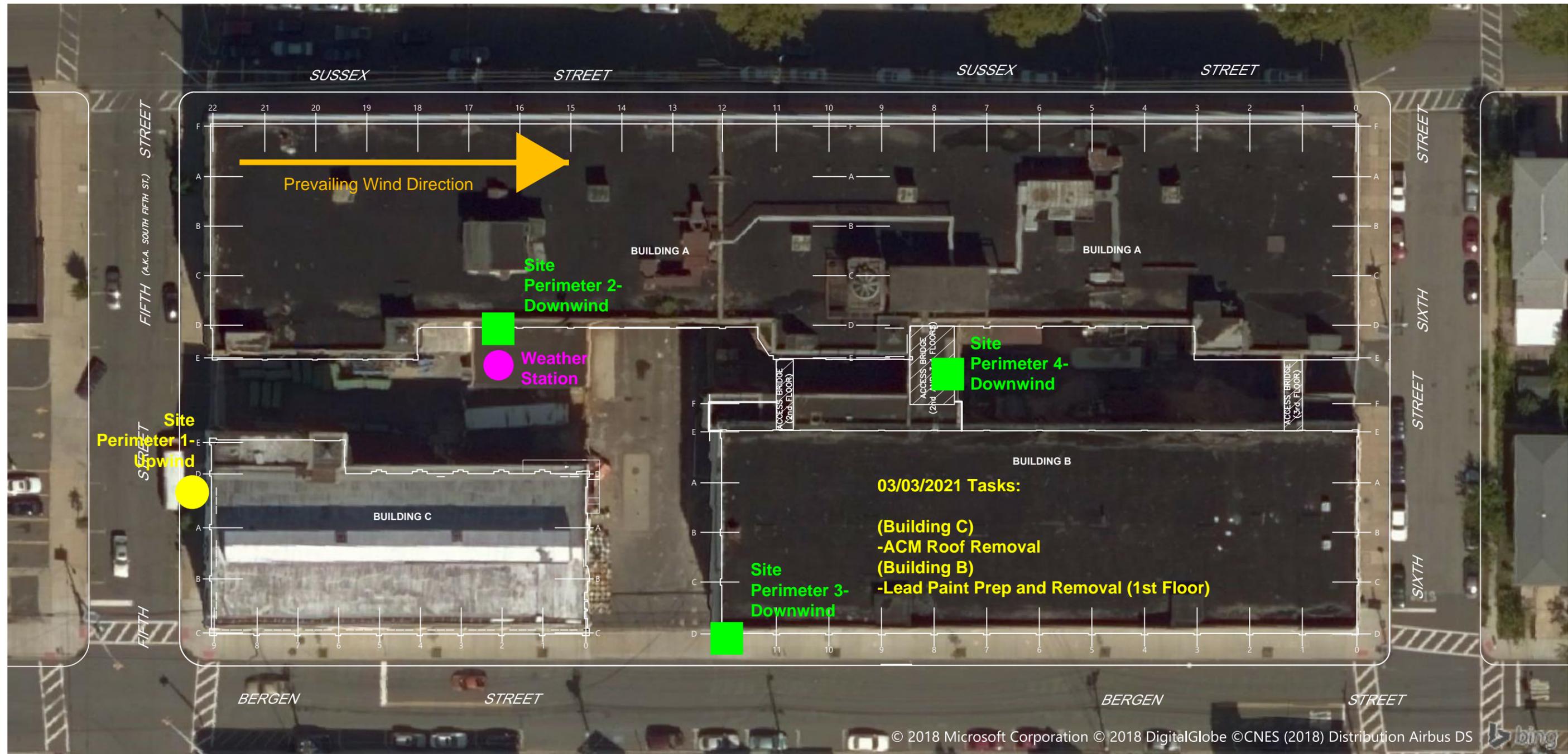


SOURCE: Floor plans compiled from CAD file entitled: "FIG05-REV071615" provided by AMEC Foster Wheeler, Inc. on March 31, 2016. Subsurface utilities and features compiled from CAD file entitled: "NUMBERED_SITEMAP_20101" provided by General Electric Company on March 3, 2016.
HORIZONTAL DATUM: New Jersey State Plane, North American Datum 1983, U.S. Feet (NJ83F).
VERTICAL DATUM: (None).

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Figure SP-2
03/02/2021
Air Monitoring Station Locations
 Vo Toys Site Building C Removal Action
 General Electric Company

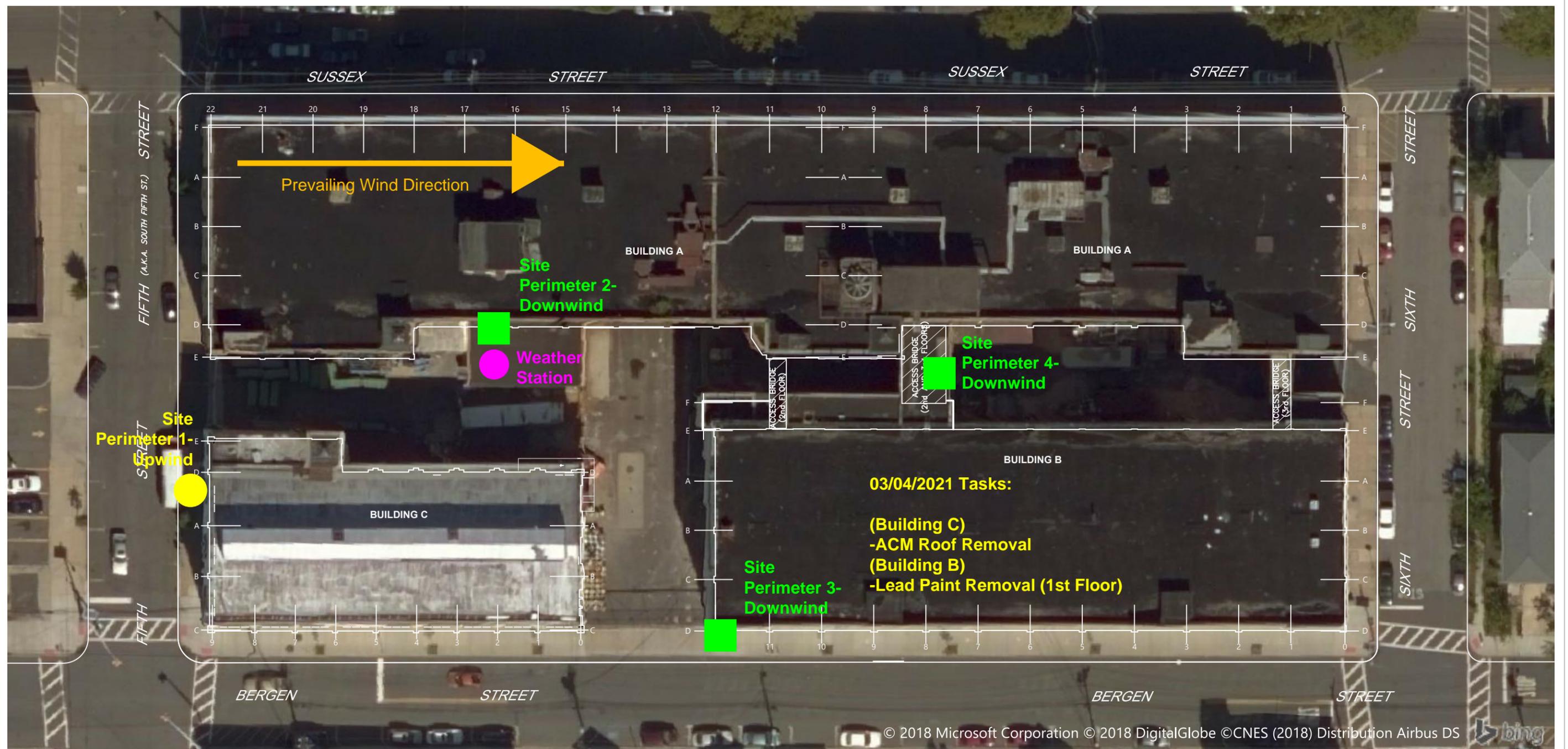


SOURCE: Floor plans compiled from CAD file entitled: "FIG05-REV071615" provided by AMEC Foster Wheeler, Inc. on March 31, 2016. Subsurface utilities and features compiled from CAD file entitled: "NUMBERED_SITEMAP_20101" provided by General Electric Company on March 3, 2016.
HORIZONTAL DATUM: New Jersey State Plane, North American Datum 1983, U.S. Feet (NJ83F).
VERTICAL DATUM: (None).

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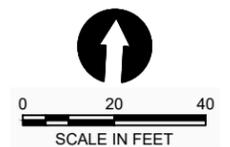
Figure SP-3
03/03/2021
Air Monitoring Station Locations
 Vo Toys Site Building C Removal Action
 General Electric Company



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



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Figure SP-4
03/04/2021
Air Monitoring Station Locations
 Vo Toys Site Building C Removal Action
 General Electric Company