

WEEKLY PROGRESS STATUS REPORT

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

CERCLA Docket No.: 02-2019-2028

Report No.: 27

Report Date: February 26, 2021

Reporting Period: February 22 to February 25, 2021

1 Weekly Progress Meeting – February 25, 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

Hours Worked Summary: Brandenburg, Anchor QEA, and Arcadis	
Project to Date as of February 25, 2021	Total Man Hours: 15402

- Daily health and safety meetings were conducted each morning.
- On February 24, 2021, an unknown individual approached the site perimeter fence along Bergen Street, cut the privacy screening on the fence, and shouted obscenities at Brandenburg personnel. The individual then left the scene.

The police were called to the site and a report was filed on the incident. The police indicated they would increase patrols around the site. In addition, site security was notified of the

event. During the next health and safety meeting, Brandenburg reviewed their site security plan and action plan for dealing with aggressive individuals with site personnel.

3 Work Completed – February 22 to February 25, 2021

Brandenburg (RA Contractor)

- Snow removal
- Removed asbestos-containing roofing.
- Participated in a meeting with Anchor QEA, Arcadis and EPIC to review the waste loadout process for superstructure demolition debris.
- 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>
2/22/2021	0-0
2/23/2021	0-0
2/24/2021	0-0
2/25/2021	0-0

Notes:

1. ug/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 February 23, 2021, multiple stations exhibited elevated PM₁₀ readings upon startup and prior to the start of work activities. Readings quickly dropped below action levels. The elevated readings are attributed to atmospheric particulate in the form of fog/mist. 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
2/22/2021	24.0 – 32.0	0.0 – 0.0
2/23/2021	52.0 – 96.0	0.0 – 0.0
2/24/2021	18.0 – 30.0	0.0 – 0.0
2/25/2021	7.0 – 14.0	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. 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 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	2 Loads	8.53 Tons
Hazardous Debris, High Mercury	US Ecology Michigan Disposal Inc.	1 load	2.58 Tons
Hazardous, High Dust with Elemental Mercury	AERC Recycling Inc.	1 Cubic Yard box, 1 Drum	604 Pounds
Hazardous, High Dust, No Elemental Mercury	AERC Recycling Inc.	4 Drums	614 Pounds
Universal Waste – Lamps (broken)	AERC Recycling Inc.	1 Bucket	3 Pounds

Waste Stream	Final Disposal	Weekly # of Loads/Containers	Weekly Volume Disposed
Non-hazardous Debris, Low Mercury	Tunnel Hill Reclamation Subtitle D Landfill	37 Drums	2.25 Tons*

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

4 Anticipated Work for Upcoming Three Weeks

Brandenburg (RA Contractor)

- Removing asbestos-containing roofing.
- Preparing site for demolition and related waste loadout.
- Placing cushion material on the liner.
- Preparing a diagram of the waste loadout process during the superstructure demolition.
- Obtaining the demolition permit 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 superstructure demolition schedule and process.
- Preparing a list of Building B tasks that Brandenburg would initiate while the POP is getting finalized.

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 roof asbestos abatement activities.
- Signing waste T&D documentation
- Addressing USEPA's comments on the Draft POP.
- Coordinating the Pre-Demolition Inspection meeting with EPA and Brandenburg.

Arcadis (Waste Coordinator)

- Tracking waste shipments and disposal documentation.

5 Status of Submittal Review

- USEPA provided comments on the draft POP.
- USEPA is reviewing the Draft Transportation and Disposal Plan

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

- None

8 Overall Project Schedule Update

- Building C RA work is anticipated to be completed by the end of April. The Buildings A and B RA is expected to commence this week.

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.: 23

Report Date: February 26, 2021

Reporting Period: February 22 to February 25, 2021

1 Introduction

This report summarizes the Building C Removal Action (RA) air monitoring program conducted between February 22 to February 25, 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 February 22, 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 February 22, 2021. The attached site air monitoring figures show the locations of the meteorological sensors.

Table 2-1
Meteorological Monitoring Summary

Date	Weather
February 22, 2021	Mostly Cloudy, high in the upper 30s°F; snow/rain starting midday until end of day. Winds: 5-10 mph S (online), 0-5 mph E (site).
February 23, 2021	Mostly Cloudy, high in the mid-30s°F; Winds: 0-10 mph W (online), 0-5 mph W (site).
February 24, 2021	Partly Sunny, high in the low 50s°F; Winds: 5-10 mph SW (online), 0-5 mph W (site).
February 25, 2021	Mostly Sunny, high in the upper 40s°F; Winds: 10-20 mph NW (online), 0-10 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 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 (PM₁₀) 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-4 show the locations of the site perimeter stations each day. Readings were recorded and maintained on site by the Engineer.

On February 23, 2021, multiple stations exhibited elevated PM₁₀ readings upon startup and before work activities began. Readings quickly dropped below action levels. The elevated readings are attributed to atmospheric particulate in the form of fog/mist.

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
02/22/2020	Station 1 – West	Downwind	24.8-43.9	0.10-0.10
	Station 2 – North	Downwind	18.2-41.9	0.10-0.11
	Station 3 – Southeast	Downwind	18.4-40.3	0.10-0.12
	Station 4 – Northeast	Upwind	12.5-42.9	0.11-0.14
02/23/2021 ⁴	Station 1 – West	Upwind	31.1-96.6	0.10-0.28
	Station 2 – North	Downwind	22.9-103.9	0.10-0.12
	Station 3 – Southeast	Downwind	26.0-92.3	0.10-0.11
	Station 4 – Northeast	Downwind	23.4-87.7	0.10-0.18
02/24/2021	Station 1 – West	Upwind	18.7-57.2	0.10-0.28
	Station 2 – North	Downwind	6.4-36.2	0.10-0.14
	Station 3 – Southeast	Downwind	8.1-37.9	0.10-0.15
	Station 4 – Northeast	Downwind	5.4-30.7	0.10-0.18
02/25/2021	Station 1 – West	Upwind	5.1-17.2	0.10-0.18
	Station 2 – North	Downwind	1.1-5.6	0.10-0.13
	Station 3 – Southeast	Downwind	2.0-8.5	0.10-0.17
	Station 4 – Northeast	Downwind	1.3-8.5	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 recorded before work activities began and were attributed fog/mist

3.3 Off-Site/Community Air Monitoring

Off-site/community air monitoring for mercury vapors was not required during the week of February 22, 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.

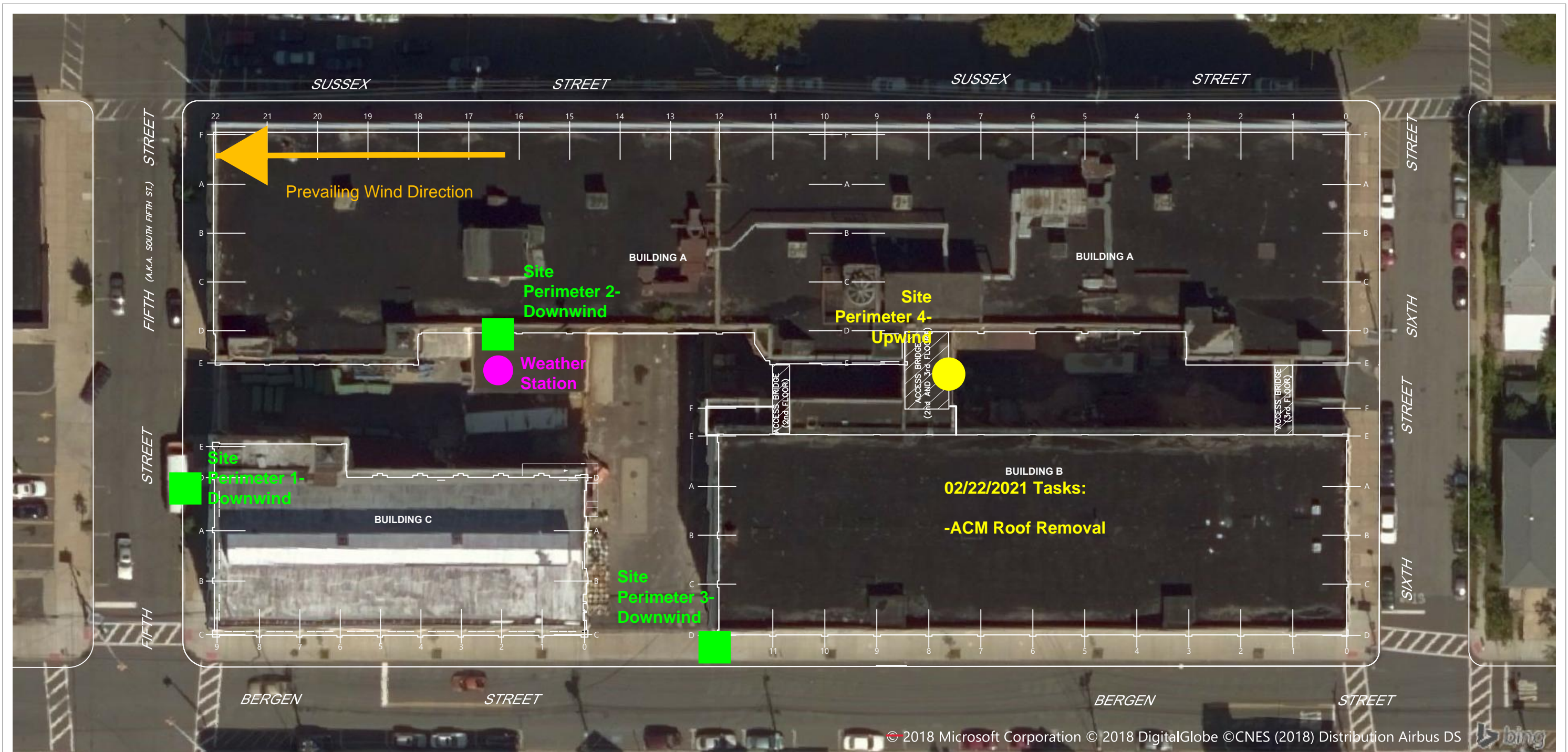
Table 4-1
Monitoring Equipment and Calibration

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

None

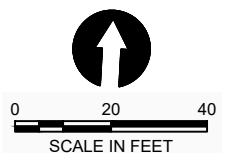
Figures



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

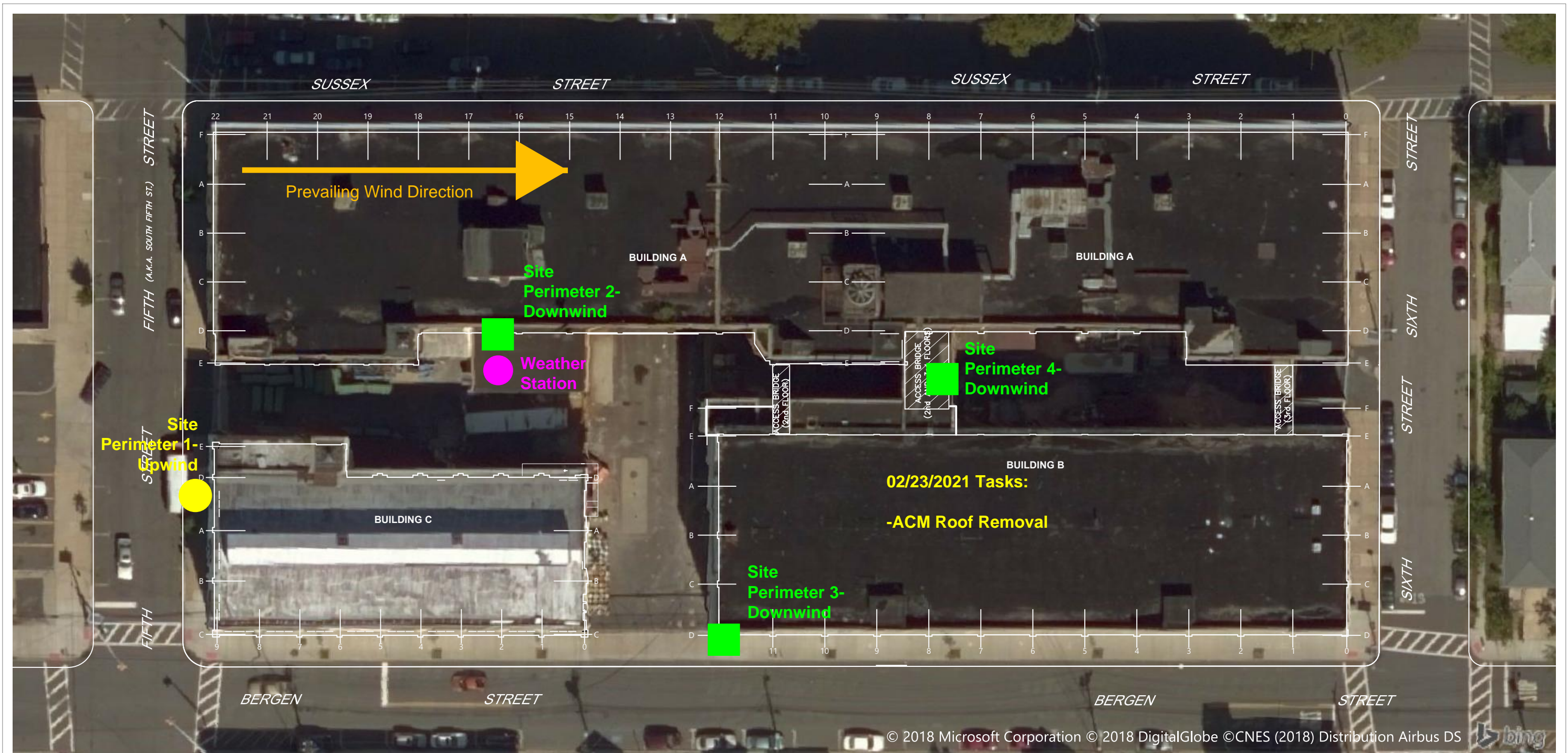
- Site Perimeter Air Monitoring Location
- Upwind Site Perimeter Monitoring Location



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 Filepath: K:\Projects\0469-General Electric\VO-Toys\FIGURES - NJ83F\0469-RP-000 (NJ83F-Aerial).dwg Site Layout



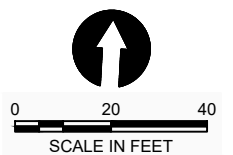
Figure SP-01
02/22/2021
Air Monitoring Station Locations
 Vo Toys Site Building C Removal Action
 General Electric Company



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

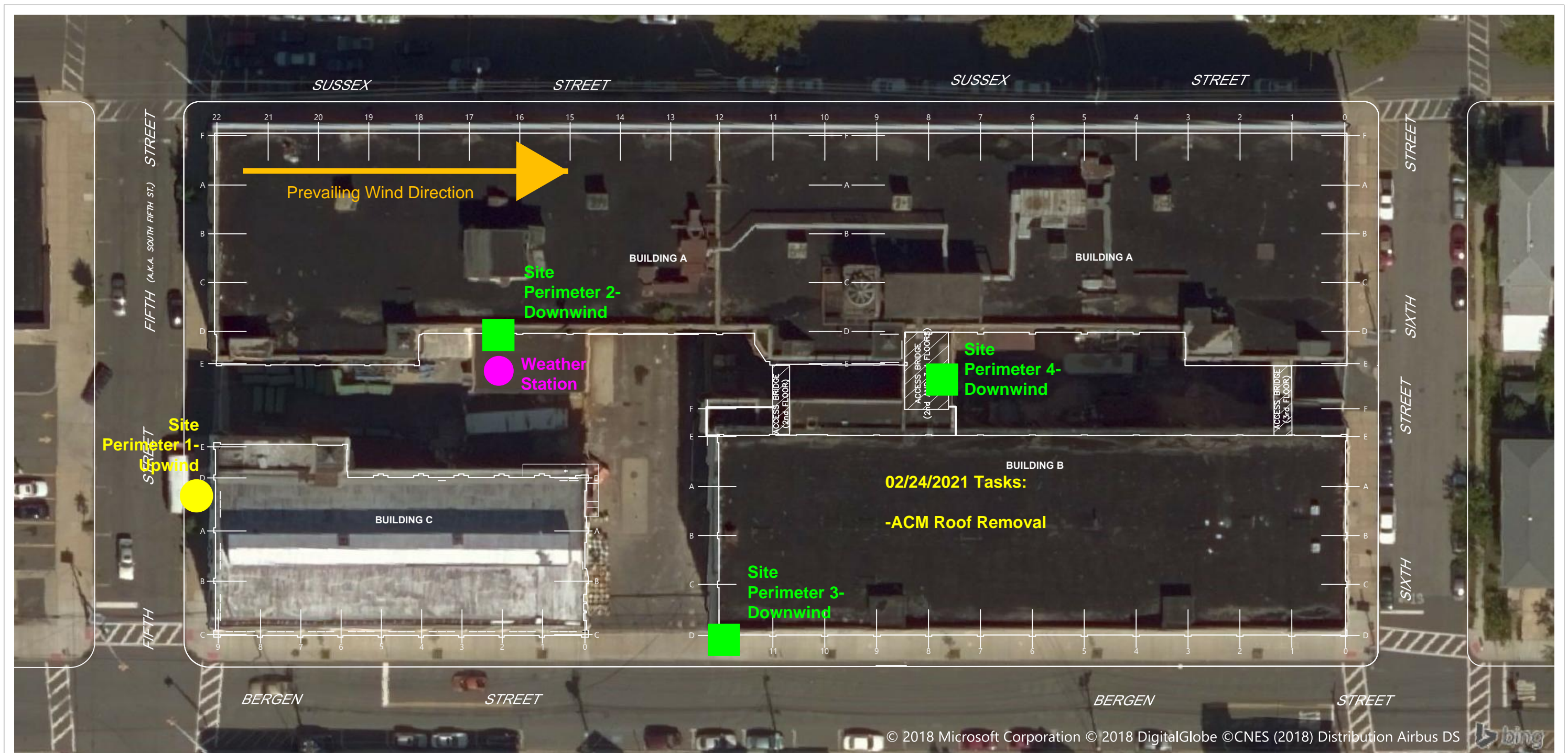
- Site Perimeter Air Monitoring Location
- Upwind Site Perimeter Monitoring Location



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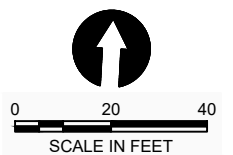
Figure SP-2
02/23/2021
Air Monitoring Station Locations
 Vo Toys Site Building C Removal Action
 General Electric Company



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

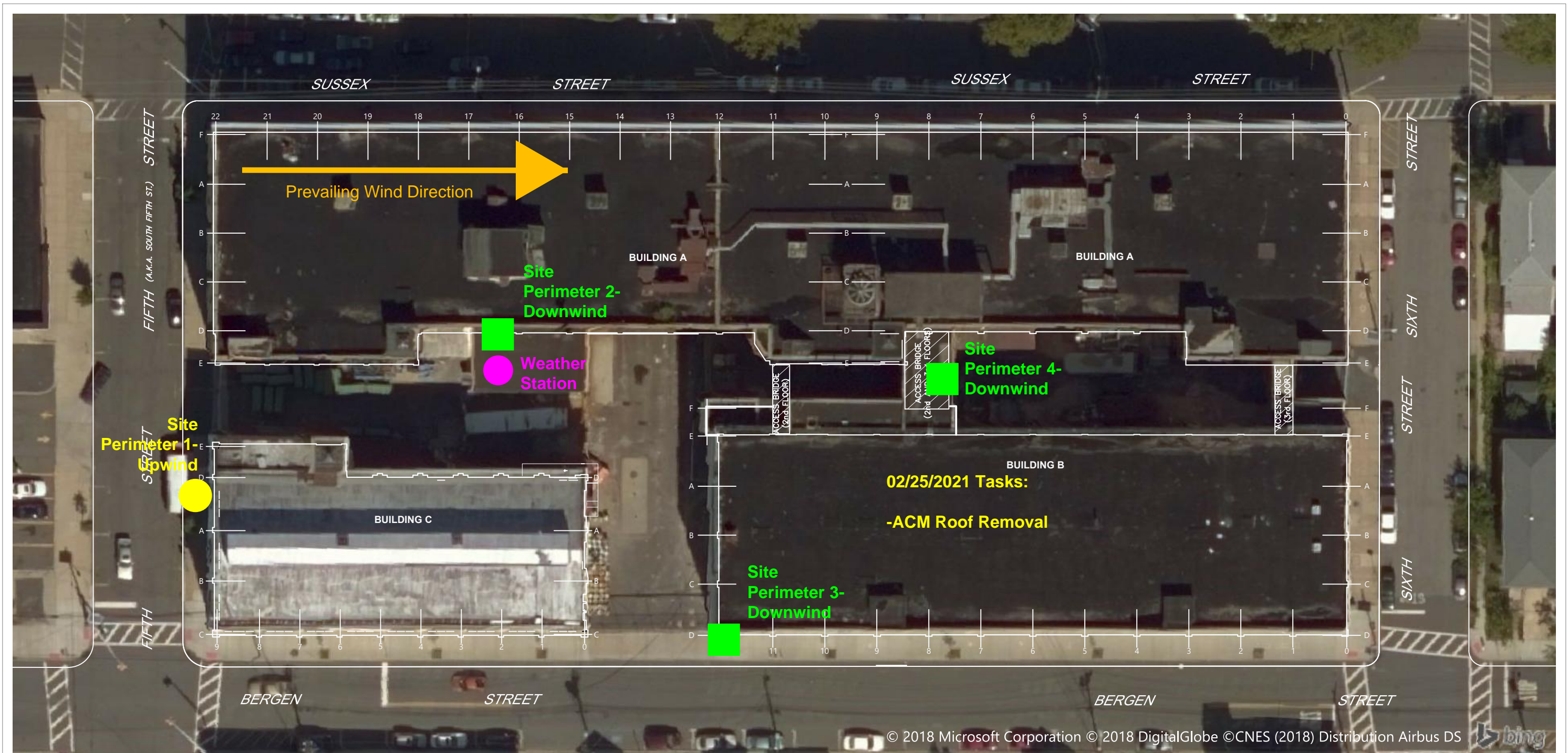
- Site Perimeter Air Monitoring Location
- Upwind Site Perimeter Monitoring Location



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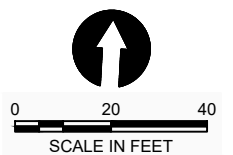
Figure SP-3
02/24/2021
Air Monitoring Station Locations
 Vo Toys Site Building C Removal Action
 General Electric Company



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
02/25/2021
Air Monitoring Station Locations
 Vo Toys Site Building C Removal Action
 General Electric Company