WEEKLY PROGRESS STATUS REPORT

Site Name: Vo-Toys Site, Harrison, New Jersey
CERCLA Docket No.: 02-2019-2028
Report No.: 8
Report Date: October 9, 2020
Reporting Period: October 5 to October 9, 2020

1 Weekly Progress Meeting Attendees – October 8, 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 October 8, 2020	Total Man Hours: 4356

- Daily health and safety meetings were conducted each morning.
- COVID Management Plan Amendment is currently under review by USEPA.
- Anchor QEA prepared a revised emergency contact list for the site and will distribute it when final.

- Anchor QEA prepared kits for the main building entry points that contain tyveks, booties, respirator cartridges and poly sheeting for floors to limit direct contact with potential mercury impacts to emergency responders that have to enter the building in an emergency.

3 Work Completed – October 5 to October 8, 2020

Brandenburg (RA Contractor)

- Performed vacuuming/cleaning of the first floor in preparation for liner installation
- Removed and plugged pipes in sumps on the first floor
- Plugged holes in first floor slab
- Demolished the block divider wall on the second floor
- Removed portions of the exterior wall under the window openings to enlarge the waste loadout openings. Openings were covered with reinforced poly sheeting when waste loadout wasn't occurring.
- Removed loose and flaking lead paint from walls on first, second and third floors and ceilings on the first and second floor
- Installed batten system for floor containment on the first floor
- Performed general housekeeping of site
- 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) ***Respiratory Protection Upgrade Action Level 25 ug/m^3***
10/05/2020	0-9
10/06/2020	0-39
10/07/2020	0-49
10/08/2020	0-15

Notes:
1. µg/m^3: 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). Work area perimeter and site perimeter air monitoring readings were all 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_{10} 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*
10/05/2020	10.0 – 40.0	0.0-4.0
10/06/2020	5.0 – 45.0	0.0–3.0
10/07/2020	20.0 – 58.0	0.0–5.0
10/08/2020	5.0 – 45.0	0.0–4.0

Notes:
1. CAMP air monitoring not required based on the site activities
2. µg/m^3: micrograms per cubic meter
3. PM_{10} action levels: Normal operations if 15-minute average of PM_{10} readings is <125 ug/m^3. If readings >125 ug/m^3 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^3
5. See CAMP for further details on action levels

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

Arcadis (Waste Coordinator)

- No wastes were shipped off site for disposal the week of October 5 through October 8, 2020.

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
- Removing loose and flaking lead paint from the ceiling on the second and third floor
- Cleaning and removing the fan/motor on the third floor
- Installing containment liner
- Installing a temporary collection sump in the first-floor containment system
- Installing polyethylene sheeting on the second floor in preparation for floor removal work on the third floor
- Preparing Asbestos Abatement Plan Addendum for ACM roof removal

Anchor QEA (Engineer and Air Monitor)

- Performing work area perimeter and site perimeter air monitoring in accordance with the CAMP (during intrusive activities).
- Preparing the episodic hazardous waste notification for submittal to USEPA.
- Submitting T&D information from the APEX disposal facility, DART transfer facility, and EPIC transportation company to USEPA for review.

- Submitting the final Buildings A and B Removal Action Design to USEPA.

Arcadis (Waste Coordinator)

- Signing waste T&D documentation and tracking waste shipments.

5 Status of Submittal Review

- None.

6 Community Participation

- USEPA posted Weekly Air Monitoring Reports to their project website.

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

- GE, Anchor QEA, Arcadis, and USEPA are working to clarify waste flow directives and administrative fees by the Hudson County Improvement Authority (HCIA). Clean Earth New Jersey indicated that they would not accept non-hazardous waste from the site because of the HCIA administrative fee, which can potentially cause a delay to the project. GE, Anchor QEA, Arcadis, and USEPA are working to clarify and resolve the issues with CENJ and HCIA.

8 Overall Project Schedule Update

- None

9 Analytical Data Obtained During Reporting Period

- None

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.: 4
Report Date: October 9, 2020
Reporting Period: October 5 to October 8, 2020

1 Introduction

This report summarizes the Building C Removal Action (RA) air monitoring program conducted between October 5 and October 8, 2020, 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 (PM_{10}) and mercury vapor was conducted in accordance with the U.S. Environmental Protection Agency (USEPA)-approved Community Air Monitoring Plan (CAMP). PM_{10} and mercury vapor results were compared with action levels presented in the CAMP.

Air monitoring during the week of October 5, 2020 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 October 5, 2020. The attached site air monitoring figures show the locations of the meteorological sensors.

Table 2-1
Meteorological Monitoring Summary

Date	Weather
October 5, 2020	Mostly Cloudy, high in the upper 60s˚F; Winds: 0-5 mph W (5-10 mph N online). No precipitation.

October 6, 2020	Mostly Sunny, high in the low 70s˚F; Winds: 5-15 mph W (5-15 mph SW online). No precipitation.
October 7, 2020	Partly Sunny, high in the upper 70s˚F; Winds: 10-20 mph W, stronger gusts throughout the day (10-20 mph W online). No precipitation.
October 8, 2020	Partly Sunny, high in the mid-60s˚F; Winds: 10-20 mph W, stronger gusts throughout the day (10-20 mph NW online). No precipitation.

3 PM_{10} 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_{10}) 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.

All PM_{10} 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_{10} 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*
10/05/2020	Station 1 - West	Upwind	10.0 – 35.9	0.10 - 0.29
	Station 2 - North	Downwind	14.4 – 29.3	0.54 – 1.13
	Station 3 - Southeast	Downwind	0.5 – 22.4	0.12 - 0.37
	Station 4 - Northeast	Downwind	1.0 – 10.9	0.11 - 0.30
10/06/2020	Station 1 - West	Upwind	10.9 – 61.5	0.10 - 0.16
	Station 2 - North	Downwind	13.2 – 48.7	0.13 – 0.42
	Station 3 - Southeast	Downwind	6.3 – 66.9	0.12 – 0.38

	Station 4 - Northeast	Downwind	5.3 – 34.5	0.11 – 0.33
10/07/2020	Station 1 - West	Upwind	28.7 – 71.5	0.10 – 0.17
	Station 2 - North	Downwind	19.1 – 47.0	0.16 – 0.41
	Station 3 - Southeast	Downwind	16.5 – 62.0	0.11 - 0.36
	Station 4 - Northeast	Downwind	8.1 – 32.6	0.14 - 0.35
10/08/2020	Station 1 - West	Upwind	6.1 – 23.0	0.10 – 0.12
	Station 2 - North	Downwind	5.1 – 23.0	0.14 – 0.32
	Station 3 - Southeast	Downwind	2.3 – 15.8	0.13 - 0.23
	Station 4 - Northeast	Downwind	1.0 – 10.3	0.12 - 0.26

Notes:
1. PM_{10} action level: Normal operations if PM_{10} <100 ug/m^3
2. Mercury vapor action level: Normal operations if 15-minute average of MVA readings is <10 ug/m^3
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 not required during the week of October 5, 2020 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.

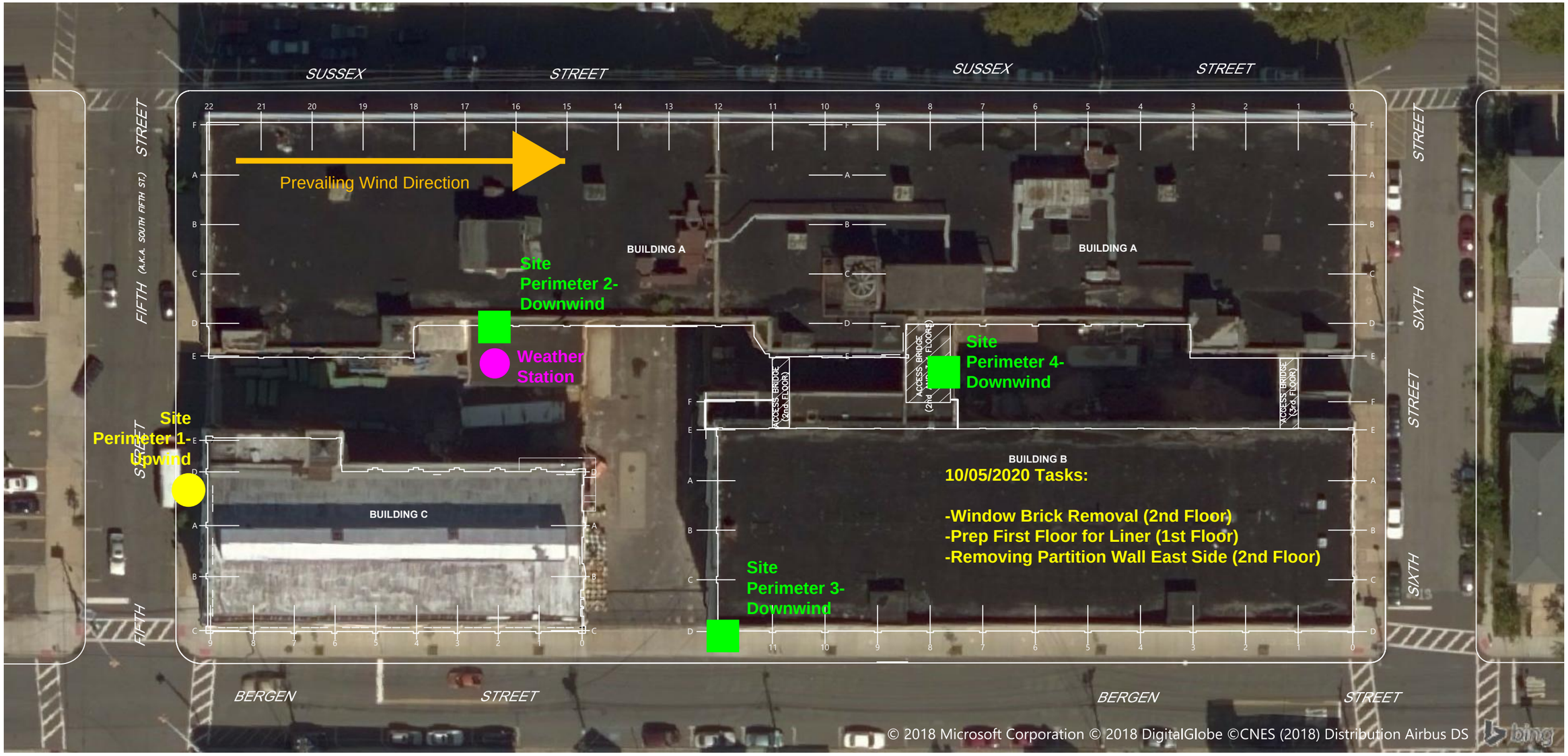
Table 4-1
Monitoring Equipment and Calibration

Parameter	Monitoring Equipment
Mercury Vapors – Real Time and Average Concentrations	• 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	• 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	• 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

0 20 40
SCALE IN FEET

Publish Date: 2019/01/03 4:00 PM | User: rpetrie
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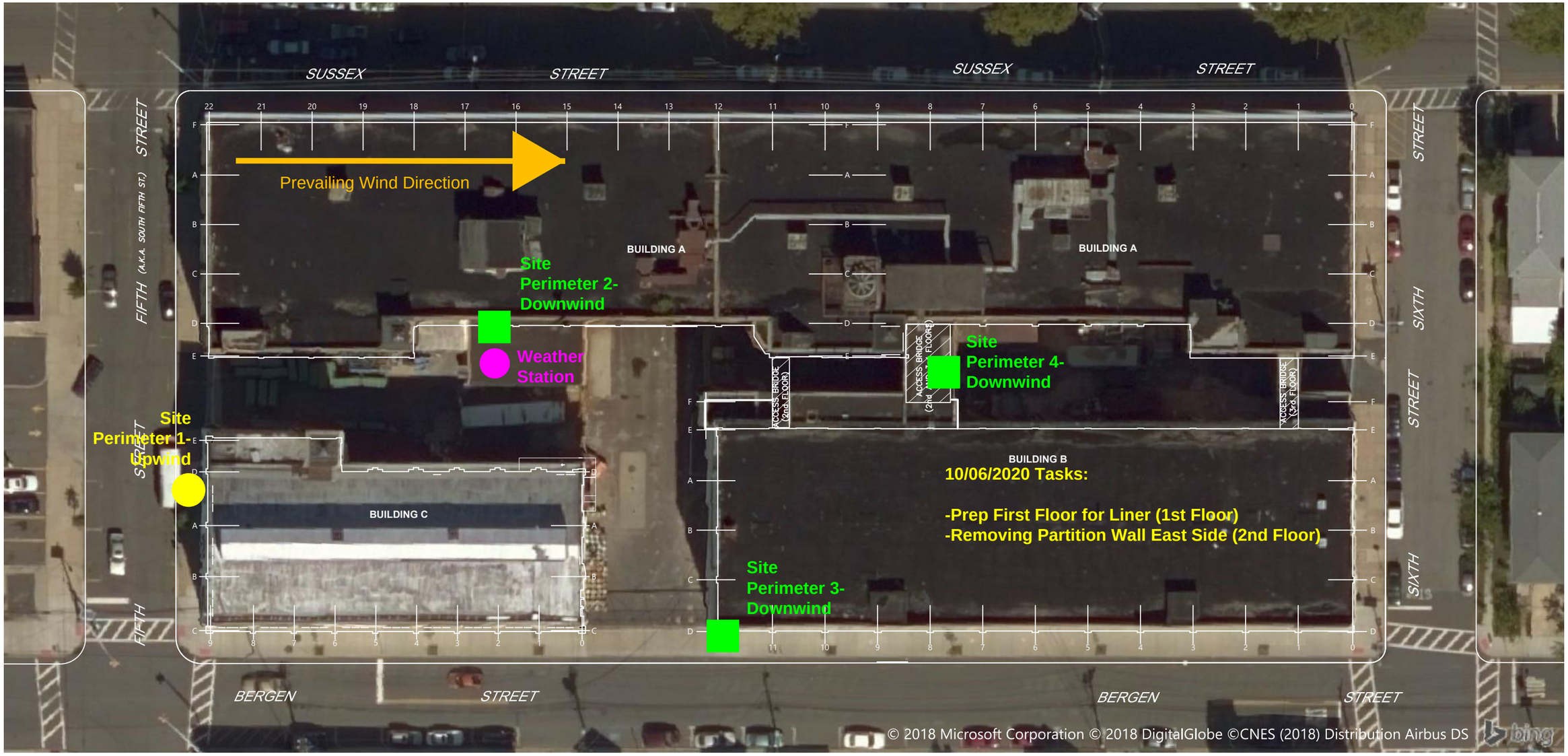
ANCHOR QEA

Figure SP-1
10/05/2020
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

0 20 40
SCALE IN FEET

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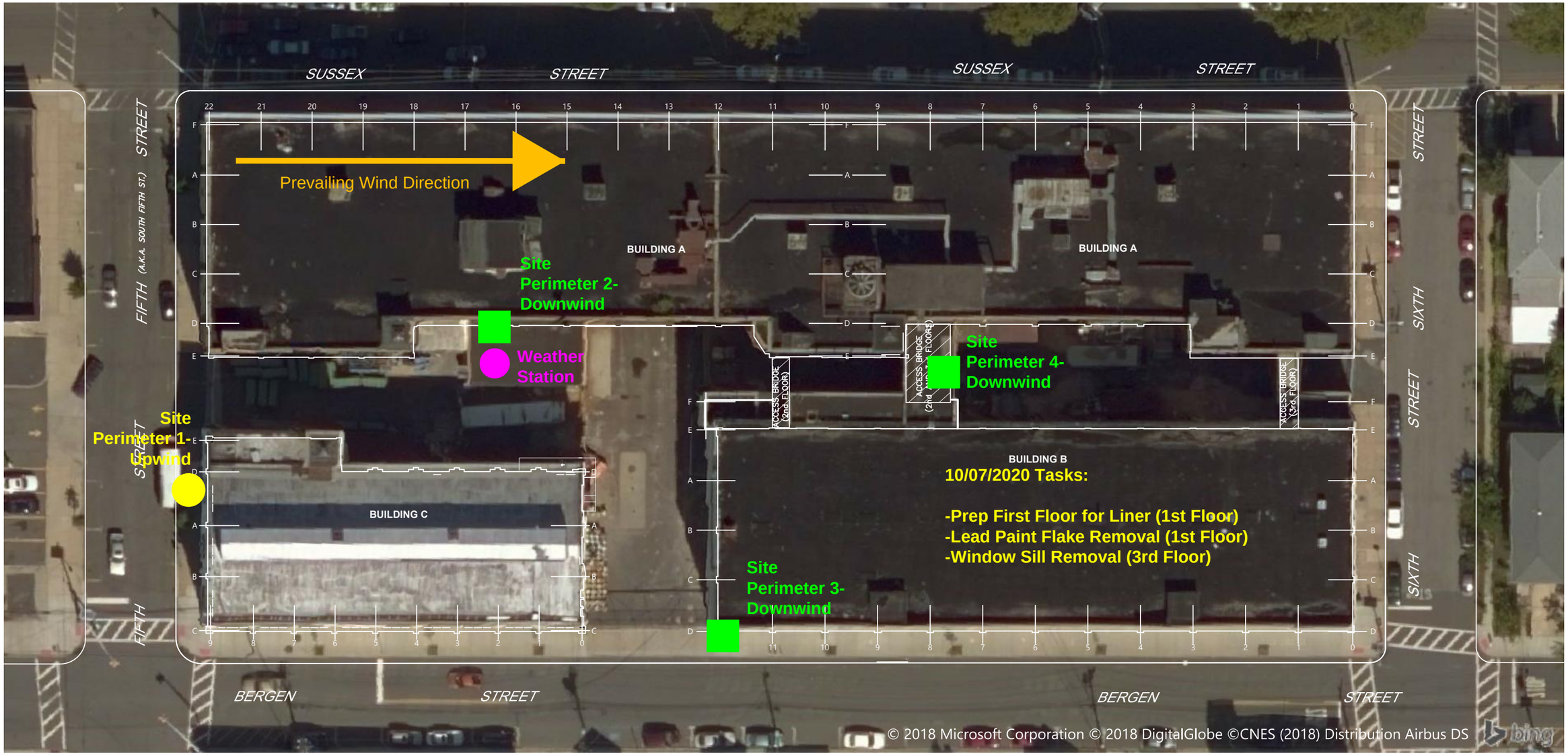
ANCHOR QEA

Figure SP-2
10/06/2020
Air Monitoring Station Locations
Vo Toys Site Building C Removal Action
General Electric Company



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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

0 20 40
SCALE IN FEET

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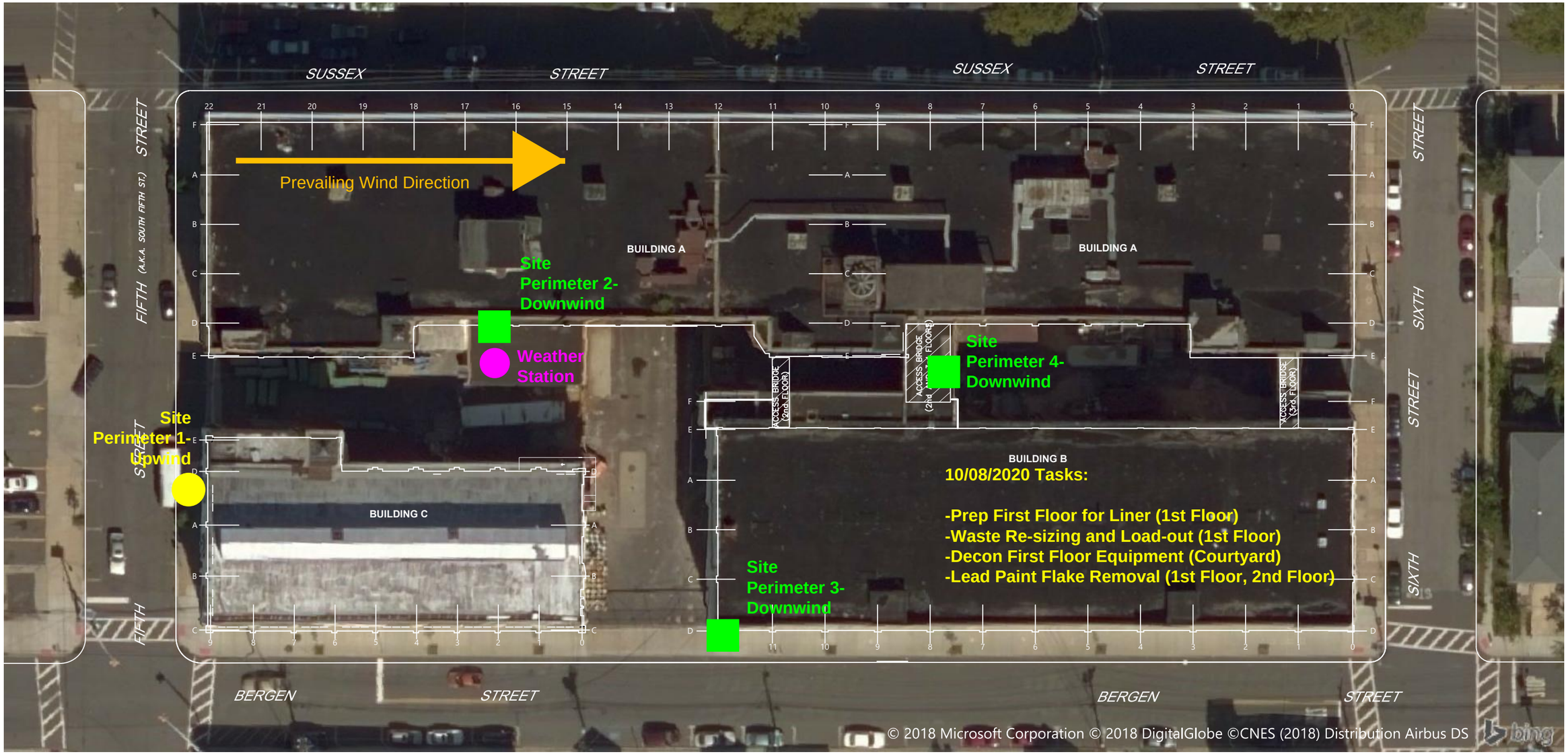
ANCHOR QEA

Figure SP-3
10/07/2020
Air Monitoring Station Locations
Vo Toys Site Building C Removal Action
General Electric Company



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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

0 20 40
SCALE IN FEET

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ANCHOR QEA

Figure SP-4
10/08/2020
Air Monitoring Station Locations
Vo Toys Site Building C Removal Action
General Electric Company