



Proactive by Design

GEOTECHNICAL
ENVIRONMENTAL
ECOLOGICAL
WATER
CONSTRUCTION
MANAGEMENT



MEMORANDUM

To: Joseph Martella, RIDEM

From: Dave Rusczyk, GZA

CC: Kenneth Lento, National Grid

Date: February 14, 2021

Re: Site Response Action Report
Period January 24, 2021 through February 6, 2021
Former Tidewater Facility
Pawtucket, Rhode Island
RIDEM Case No. 95-022 / Site Remediation File No. SR-26-0934

SITE ACTIVITIES PERFORMED

- Charter Contracting Company, LLC (Charter) continued activities related to implementation of the remedial construction work. These activities included:
 - Completion of probing activities along the alignment of the new containment wall to identify potential obstructions that require removal.
 - Completion of the removal of identified obstructions along the alignment of the containment wall.
 - Abandonment of the remaining existing monitoring wells consistent with the Remedial Action Workplan.
 - Initiation of the installation of the steel sheetpiles for the containment wall. Installation of the containment wall was initiated at the south end where the wall transitions from the upland to the river.
 - Abandonment of one of the former power plant discharge tunnels.
 - Capping of certain former waterlines within the northern portion of the Site.
- GZA continued to perform a monitoring program to evaluate turbidity levels within the Seekonk River adjacent to the Site. These readings were obtained inside and outside the turbidity curtain.
- Perimeter air monitoring was performed during the period covered by this report with 11 air monitoring stations (4 solar powered units and 7 electrically powered units). These stations measured and recorded fugitive dust and total volatile organic compounds concentrations continuously 24 hours per day/7 days per week. No exceedances of the total volatile organic compound (0.5 parts per million) or benzene (0.35 parts per million) perimeter action levels were noted during the period covered by this report. The air monitoring results were posted to the project website and the bulletin boards at the ends of Tidewater Street and Bowles Court and are also attached to this report.
- GZA collected ambient air samples from upwind and downwind locations on January 28, 2021 and February 4, 2021 for laboratory analysis for benzene, toluene, ethylbenzene, xylenes, and



naphthalene. The analytical results from these samples indicated there were no exceedances of the project action levels. The analytical results were posted to the project website and the bulletin boards at the ends of Tidewater Street and Bowles Court and are also attached to this report.

ANTICIPATED SITE ACTIVITIES TO BE PERFORMED WITHIN NEXT 2 WEEKS

- Continued installation of the steel sheetpiles for the new containment wall.
- Continued upland demolition activities.
- Abandonment of the former screen well structure and the remaining discharge tunnels.

Please contact Kenneth Lento at 781-907-3655 if you have any questions or comments.

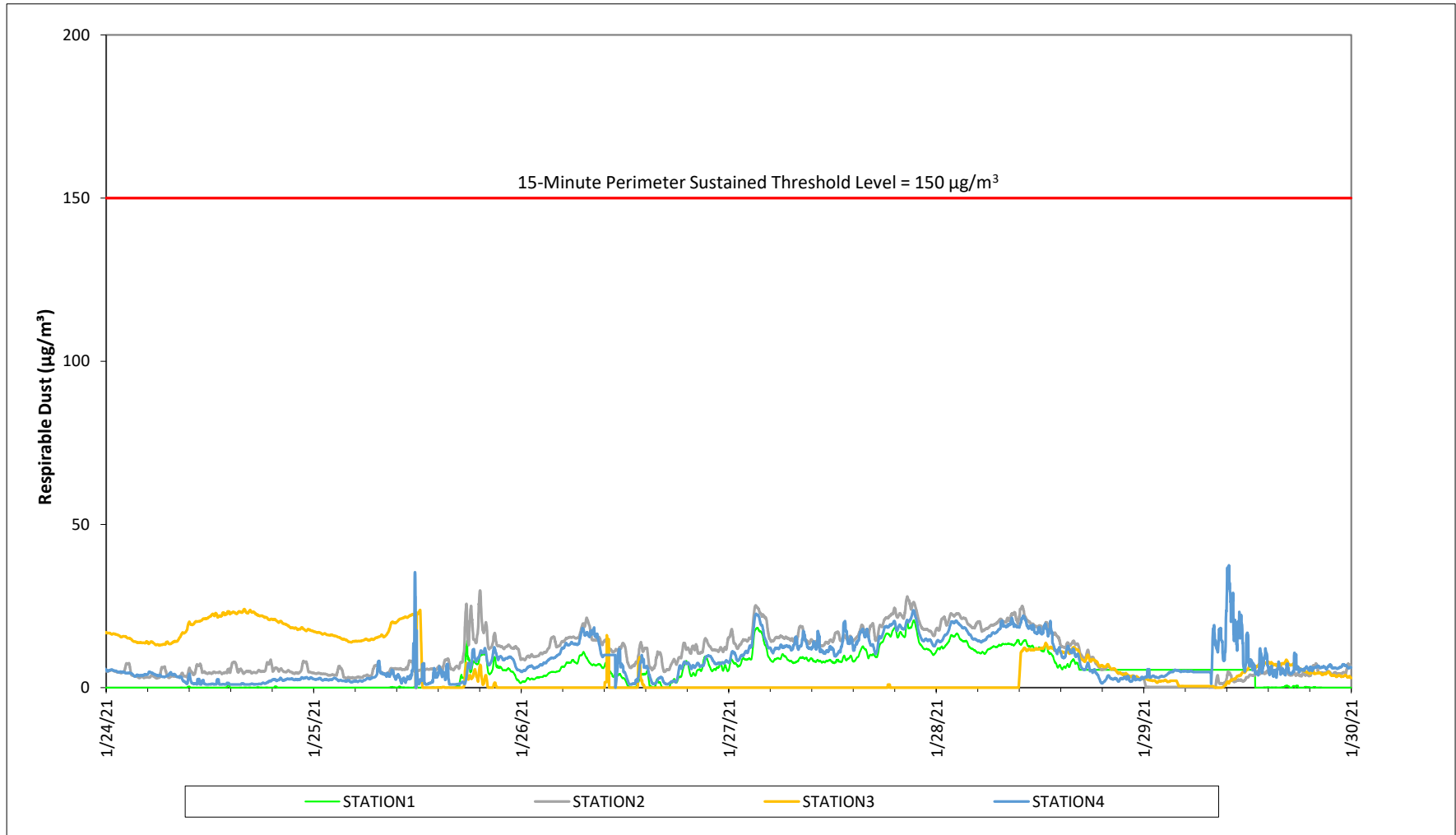
**Prepared by National Grid for the Businesses and Residents Located Near the Former Tidewater Facility
Weekly Ambient Air Sampling Results**

Sample Date	Compounds				
	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene
	(ppb v/v)				
12-3-20 UP STREAM	0.13	0.22	0.079	0.054	< 0.5
12-3-20 DOWN STREAM	0.13	0.2	0.073	0.05	< 0.5
12-10-20 UP STREAM	0.25	0.23	< 0.2	0.14	< 0.5
12-10-20 DOWN STREAM	0.17	0.2	< 0.2	< 0.7	< 0.5
12-16-20 UP STREAM	0.19	0.2	0.083	0.12	< 0.5
12-16-20 DOWN STREAM	0.13	0.16	0.078	0.094	< 0.5
12-23-20 UP STREAM	0.15	0.16	< 0.2	0.1	< 0.5
12-23-20 DOWN STREAM	0.13	0.11	< 0.2	< 0.7	< 0.5
12-30-20 UP STREAM	0.21	0.22	< 0.2	< 0.7	< 0.5
12-30-20 DOWN STREAM	0.089	< 0.2	< 0.2	< 0.7	< 0.5
1/7/21 UP STREAM	0.29	1.5	0.22	2.1	< 0.5
1/7/21 DOWN STREAM	0.16	0.27	0.086	0.42	< 0.5
1/14/21 UP STREAM	0.43	0.44	< 0.2	0.23	< 0.5
1/14/21 DOWN STREAM	0.4	0.52	0.076	0.3	< 0.5
1-21-21 UPSTREAM	0.15	0.28	0.1	< 0.7	0.24
1-21-21 DOWNSTREAM	0.18	0.23	0.11	0.1	< 0.5
1-28-21 UPSTREAM	0.21	0.19	< 0.2	< 0.7	< 0.5
1-28-21 DOWNSTREAM	0.21	0.17	< 0.2	< 0.7	< 0.5
2-4-21 UPSTREAM	0.2	1.1	0.23	1.4	0.18
2-4-21 DOWNSTREAM	0.23	0.29	0.26	0.29	< 1.1
Project Action Levels	6.2	80	230	23	20

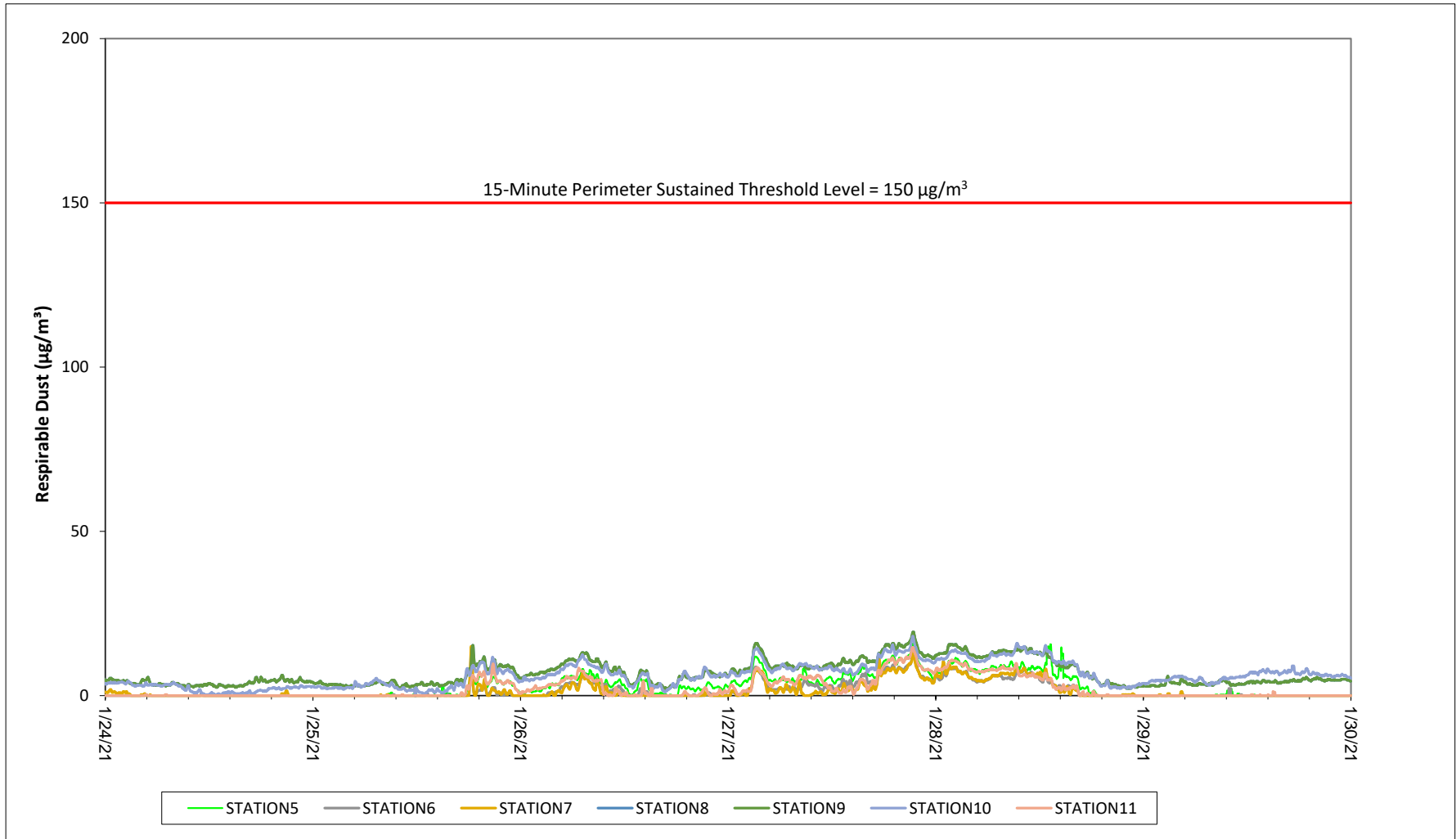
Notes:

1. The Project Action Levels are consistent with the Air Quality Monitoring Plan developed for the Site.
2. Air samples are collected in stainless steel summa canisters over an approximately 8-hour period.
3. Air samples are analyzed by EuroFins TestAmerica of Burlington, VT.
4. Results and action levels are listed in parts per billion volume/volume (ppb v/v).

Prepared by National Grid for the Businesses and Residents Located Near the Former
Tidewater Facility
Air Quality Monitoring - Respirable Dust

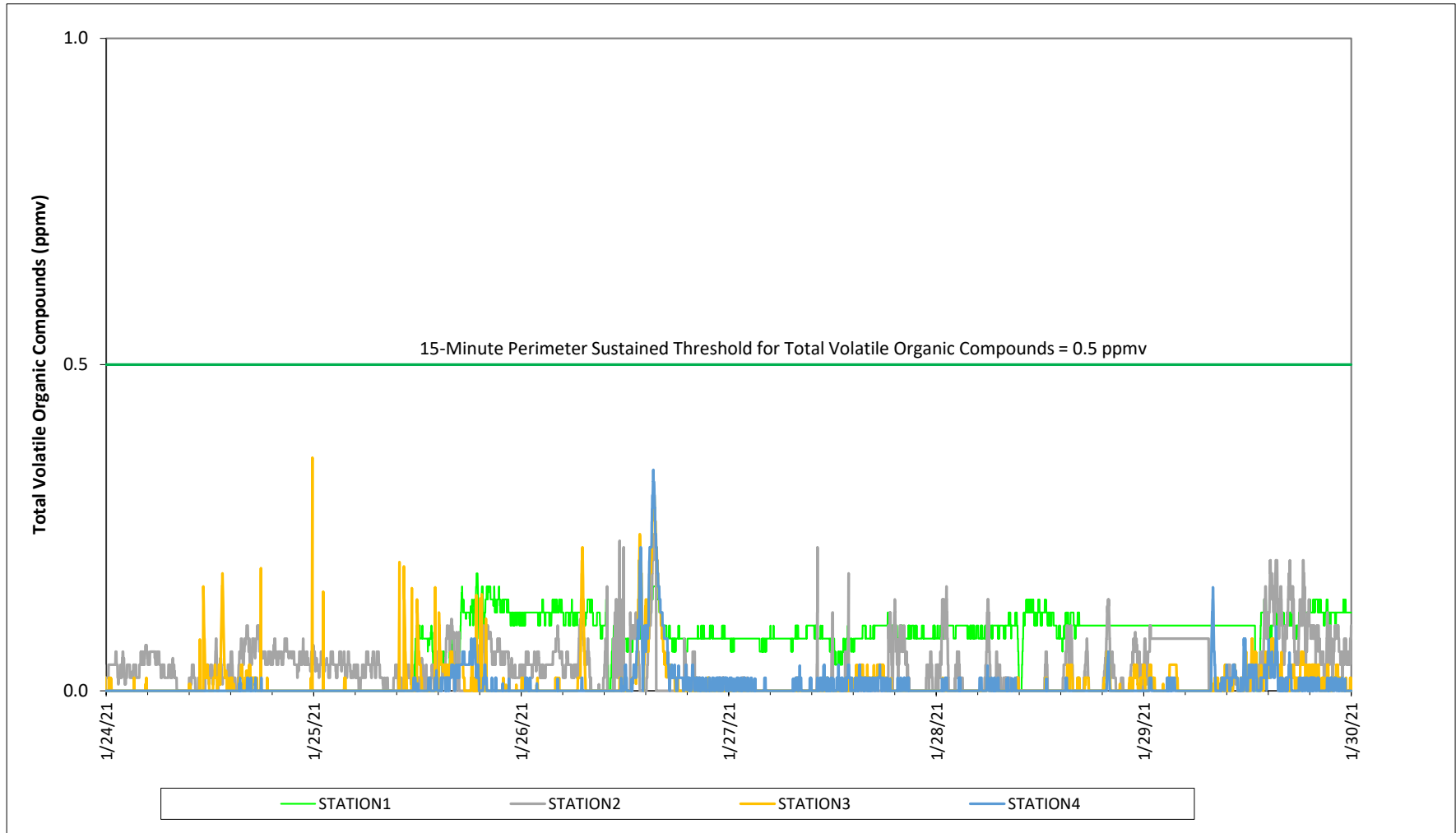


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Air Quality Monitoring - Respirable Dust



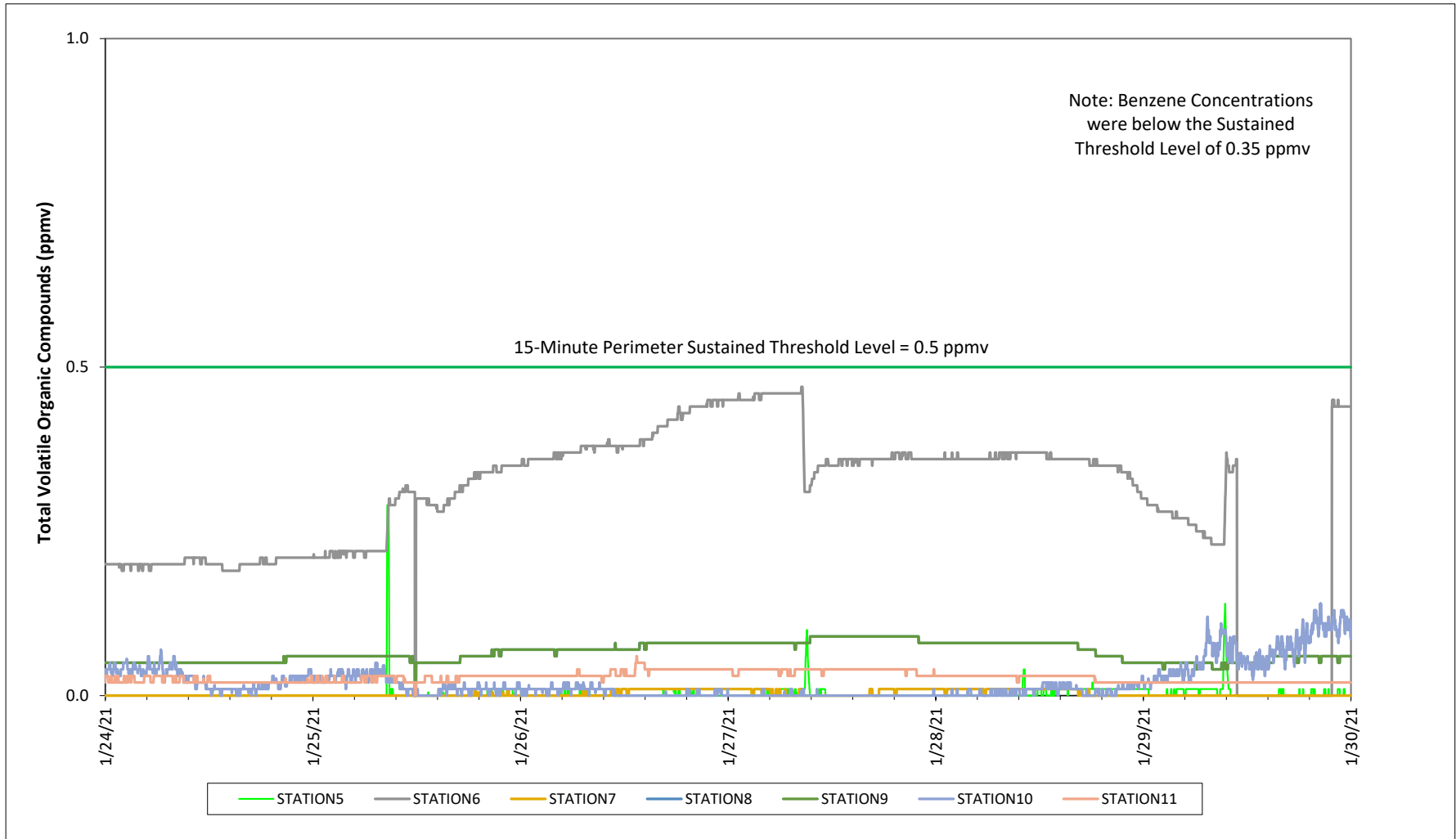
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Tidewater Facility

Air Quality Monitoring - Total Volatile Organic Compounds

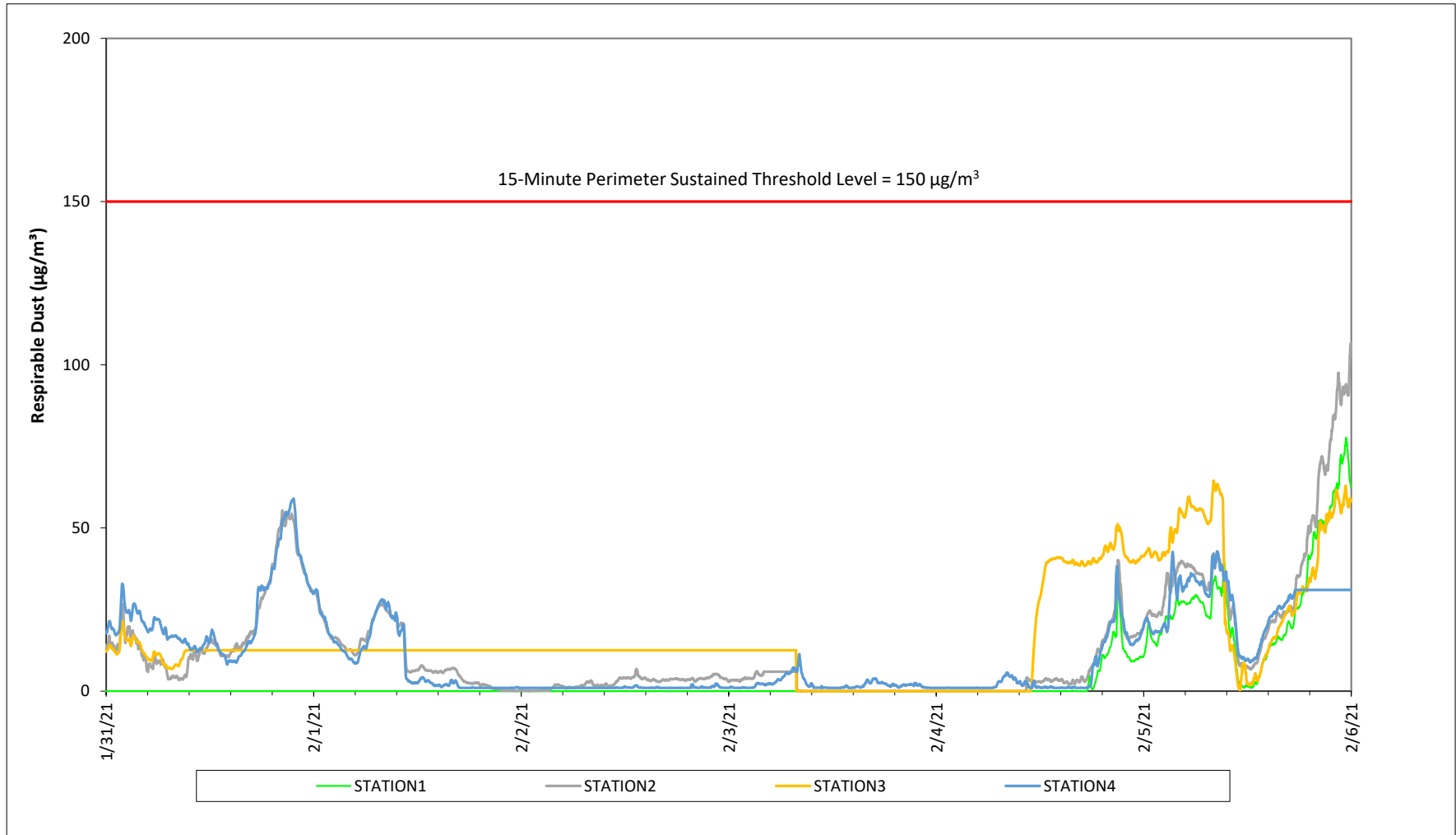


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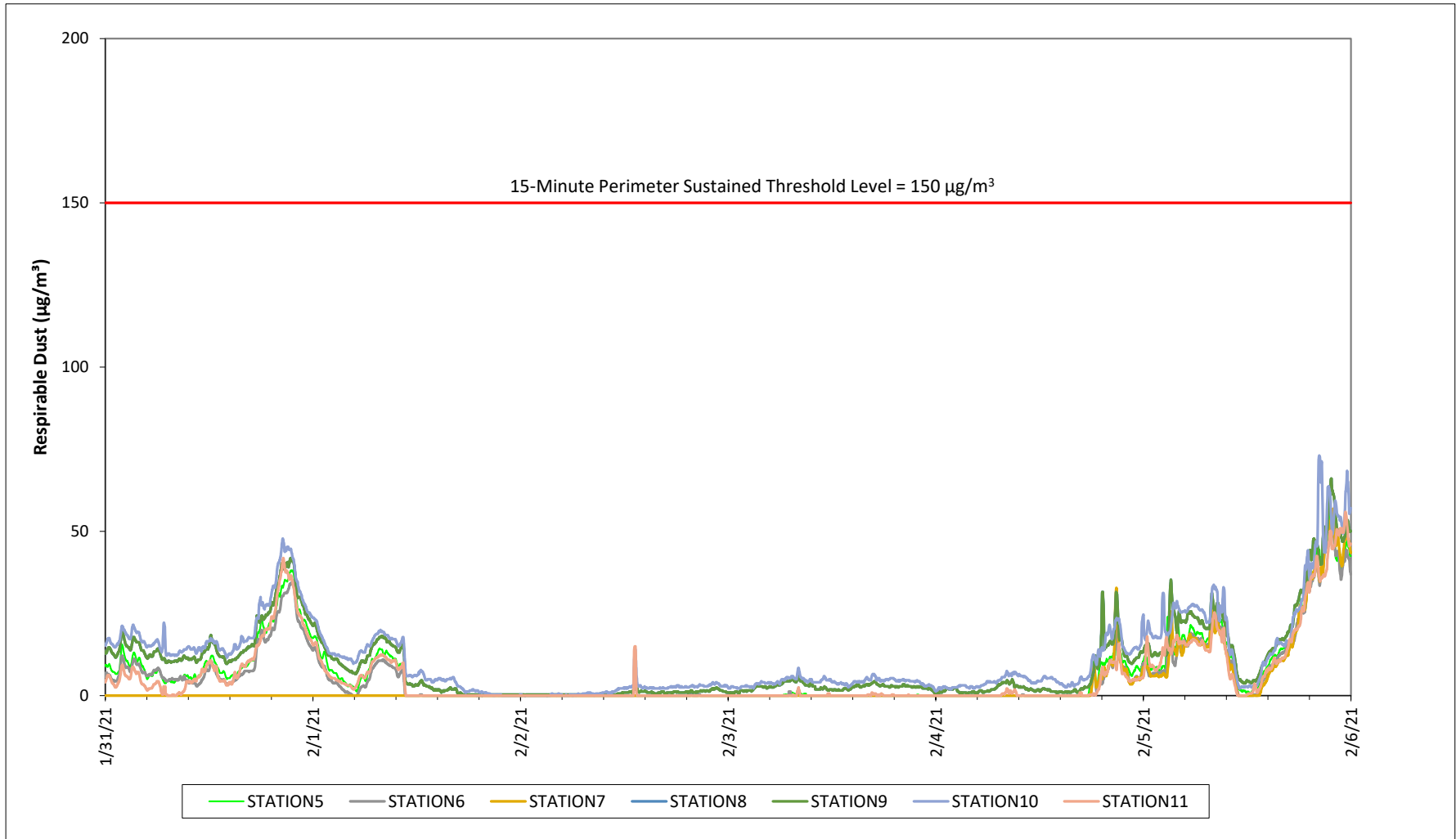
Air Quality Monitoring - Total Volatile Organic Compounds



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Air Quality Monitoring - Respirable Dust

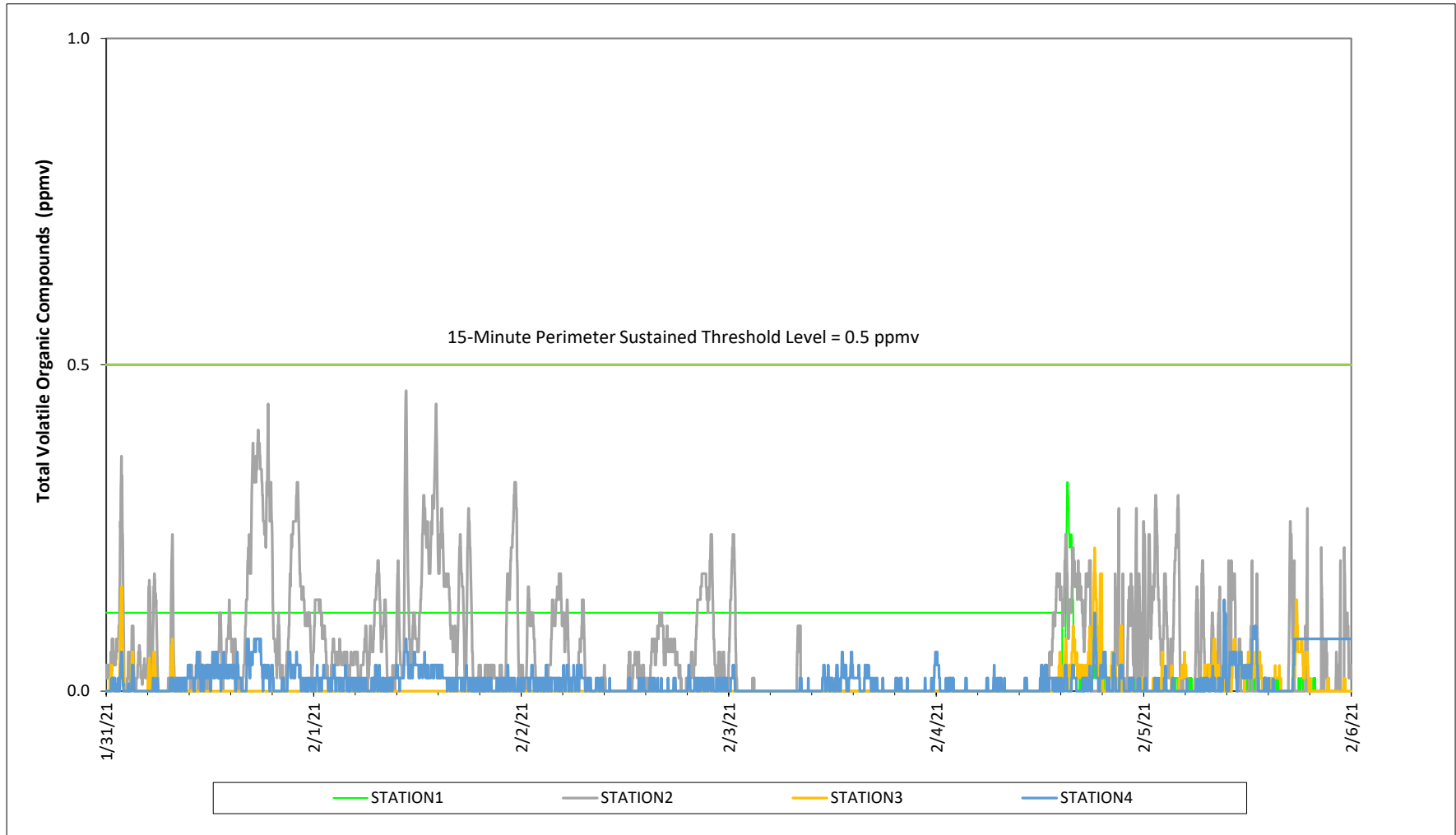


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Air Quality Monitoring - Respirable Dust



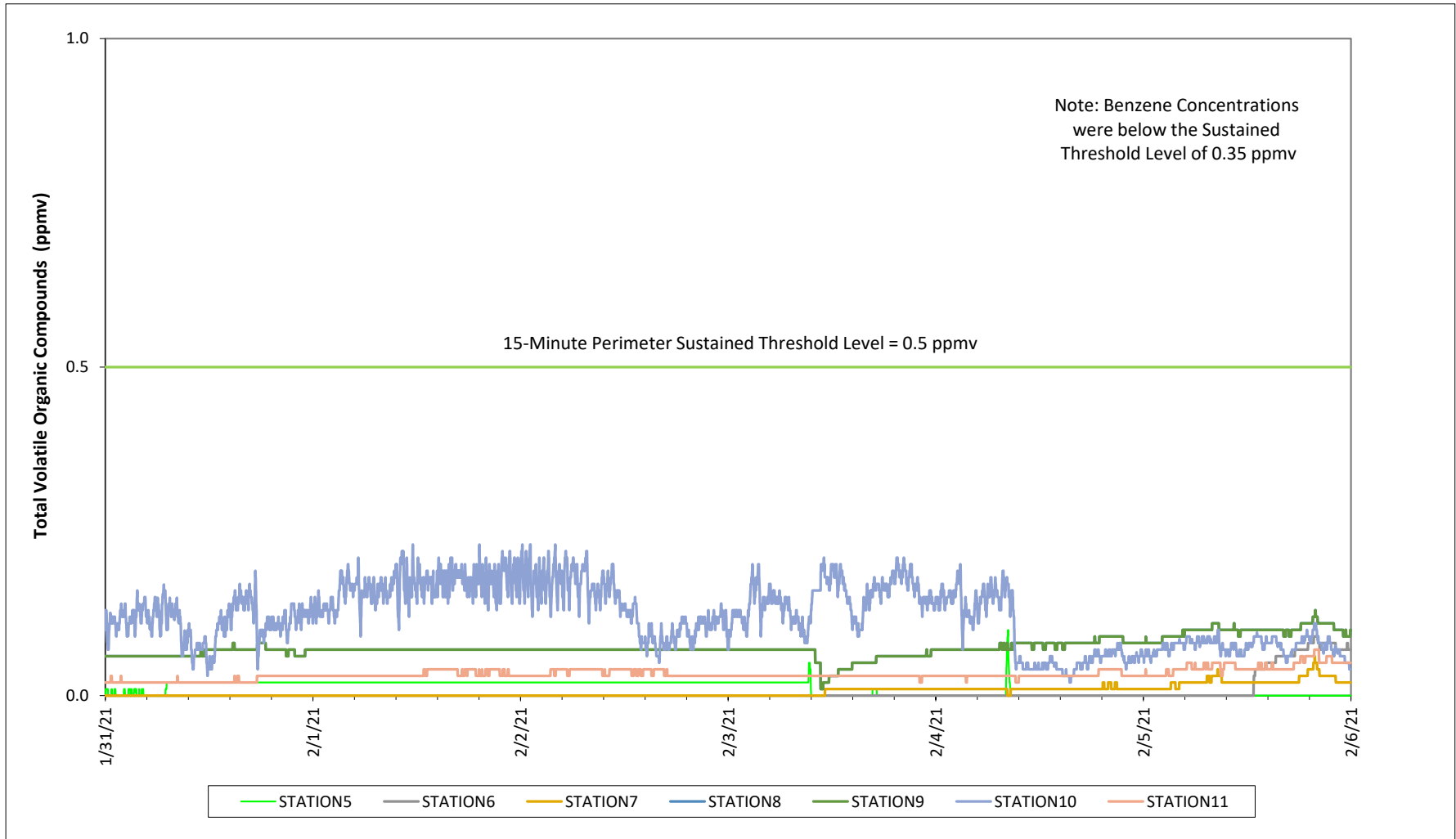
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Air Quality Monitoring - Total Volatile Organic Compounds



Prepared by National Grid for the Businesses and Residents Located Near the Former
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Air Quality Monitoring - Total Volatile Organic Compounds



Air Monitoring Station Locations - Former Tidewater Facility

