



Proactive by Design

GEOTECHNICAL
ENVIRONMENTAL
ECOLOGICAL
WATER
CONSTRUCTION
MANAGEMENT



MEMORANDUM

To: Joseph Martella, RIDEM

From: Dave Rusczyk, GZA

CC: Kenneth Lento, National Grid

Date: January 19, 2021

Re: Site Response Action Report
Period December 28, 2020 through January 9, 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 the installation of erosion and sedimentation controls within the uplands portion of the Site and within the river.
 - Set-up of staging areas for waste materials (i.e., timber piles, stumps, etc.) generated during the work.
 - Completion of the chipping of organic debris, trees, and limbs and off-Site recycling of the resulting wood chips.
 - Initiation of the removal of the existing timber piles within the river to facilitate the installation of the new containment wall.
 - Initiation of probing activities along the alignment of the new containment wall to identify potential obstructions that require removal.
 - Initiation of grubbing activities within the central and southern portions 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 perimeter action levels were noted. 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 December 30, 2020 and January 7, 2021 for laboratory analysis for benzene, toluene, ethylbenzene, xylenes, and naphthalene. No exceedances of the project action levels were noted in the ambient air samples. The analytical results from these samples 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

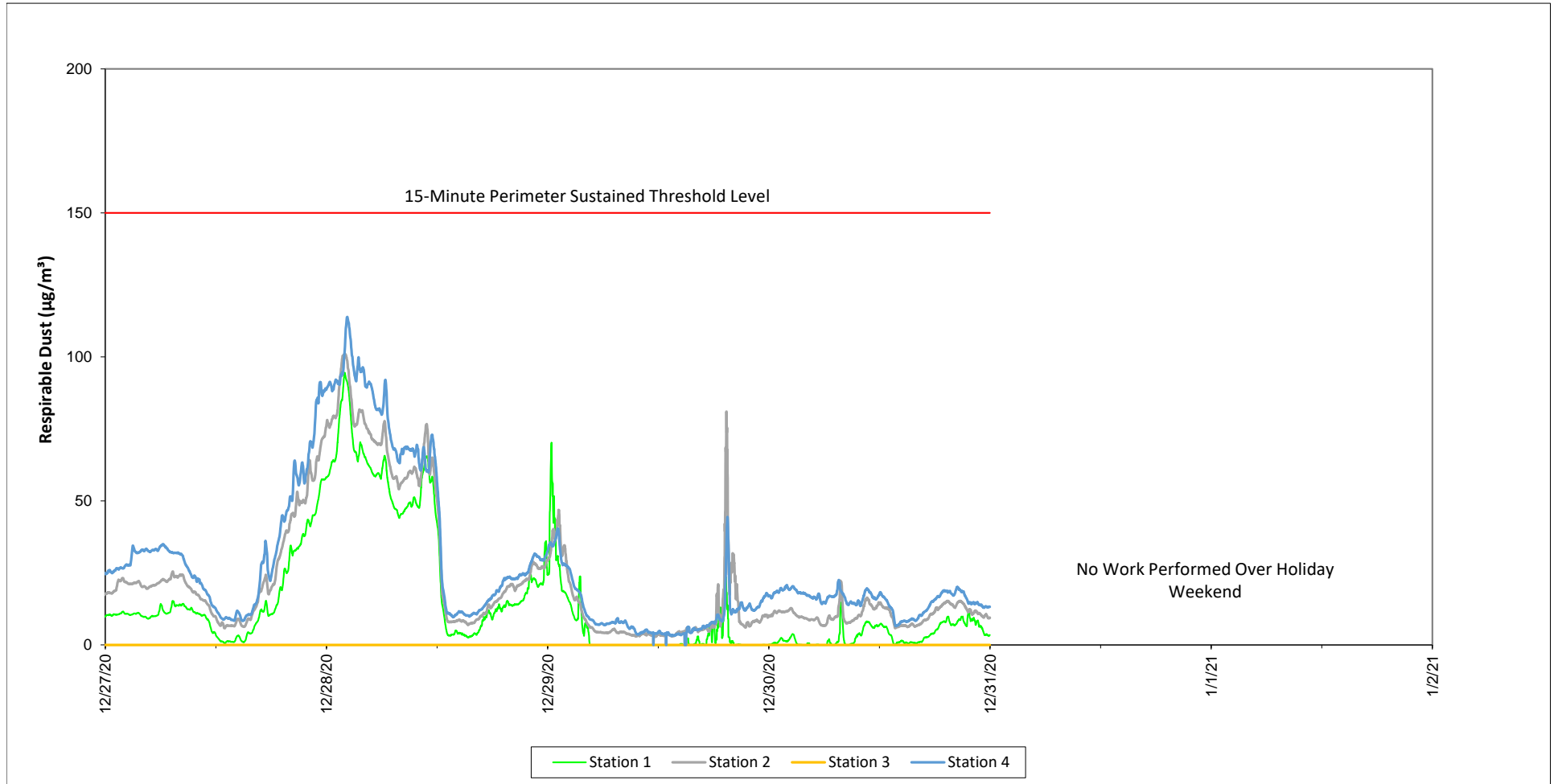
- Continued removal of existing timber piles within the alignment of the new containment wall.
- Continued probing of potential obstructions within the alignment of the new containment wall.
- Removal of obstructions within the alignment of the new containment wall.
- Delivery of the steel sheetpiles for the new containment wall.

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

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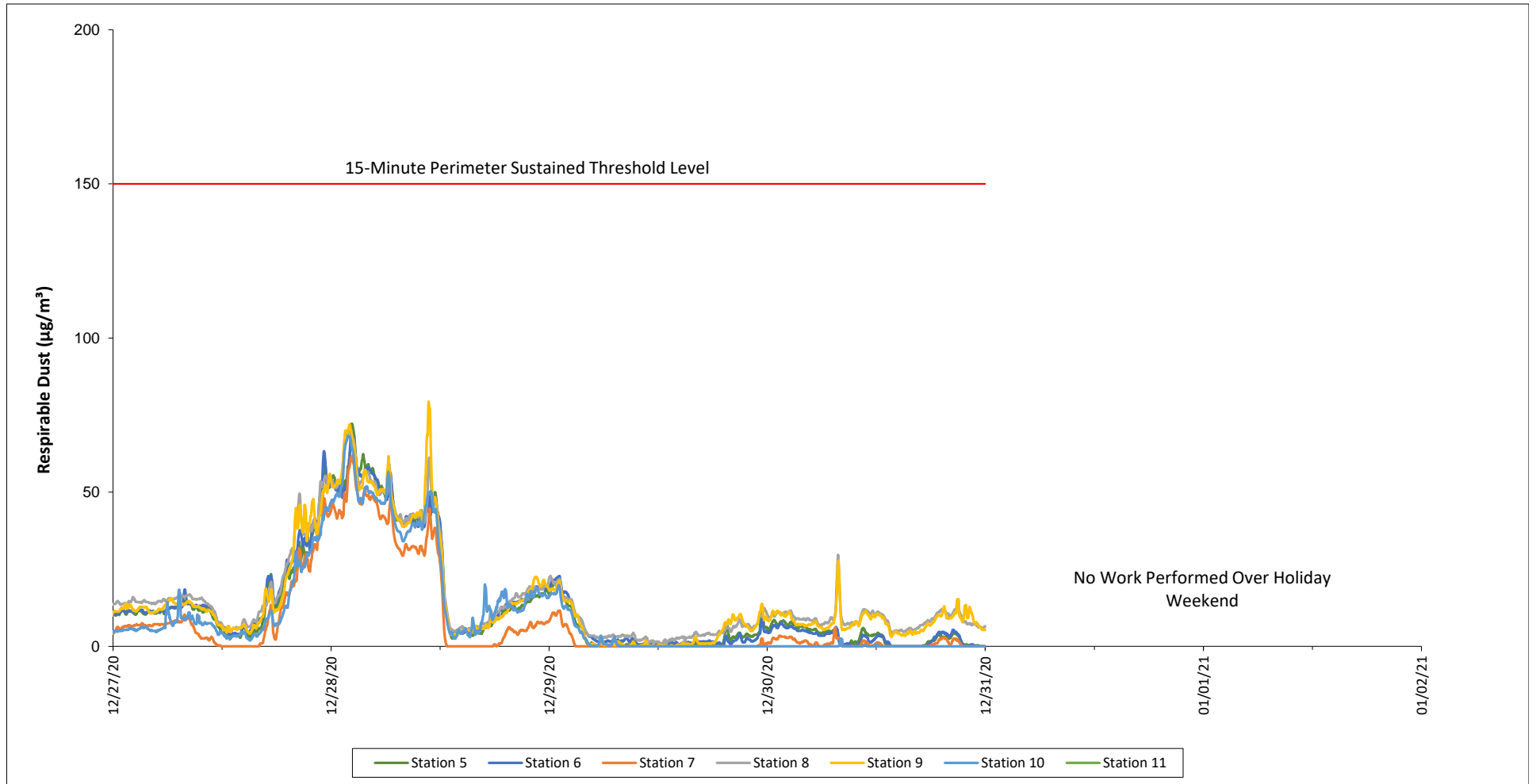
Prepared by National Grid for the Businesses and Residents Located Near the Tidewater Facility

Air Quality Monitoring - Respirable Dust



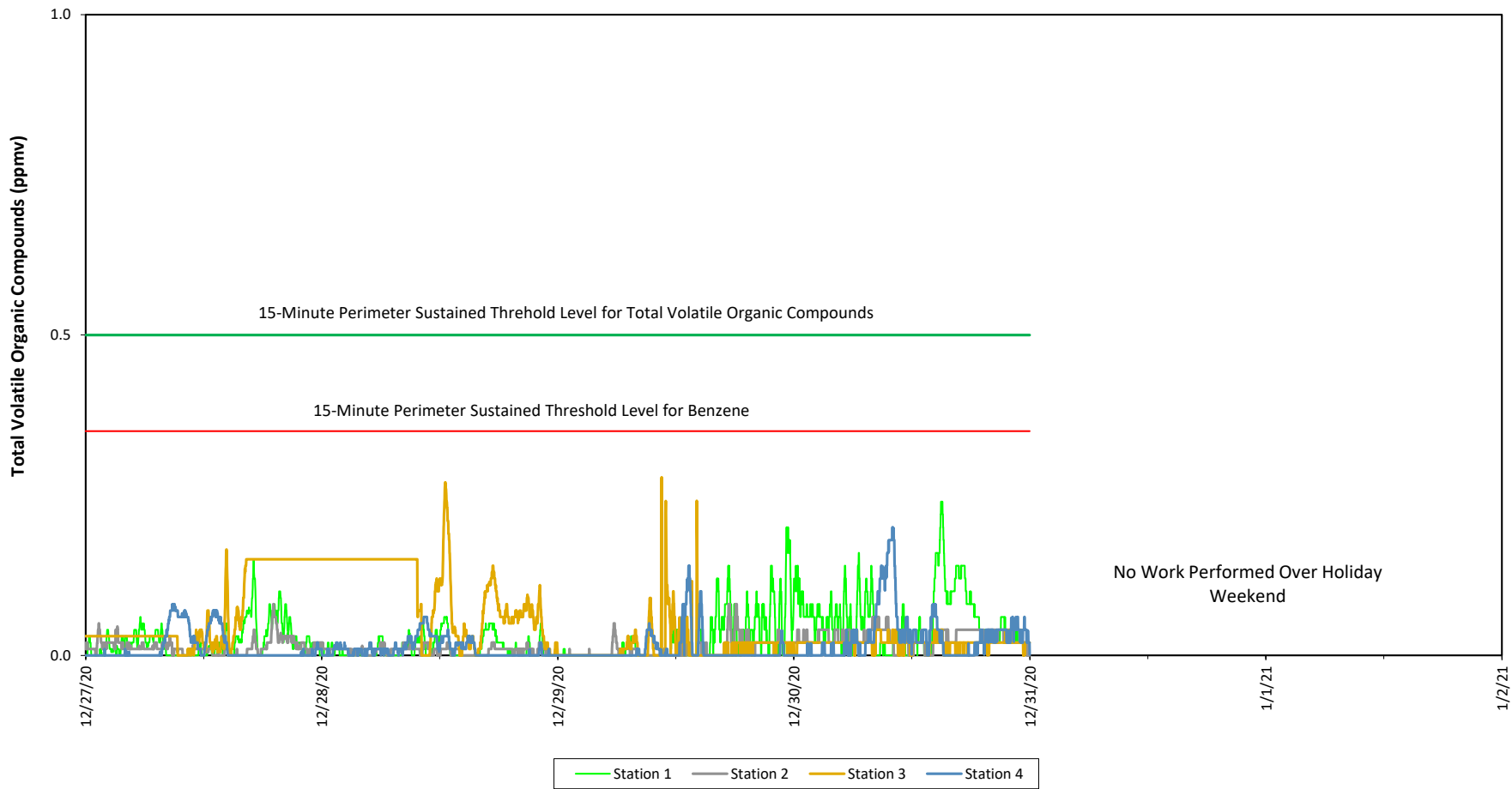
Prepared by National Grid for the Businesses and Residents Located Near the Tidewater Facility

Air Quality Monitoring - Respirable Dust

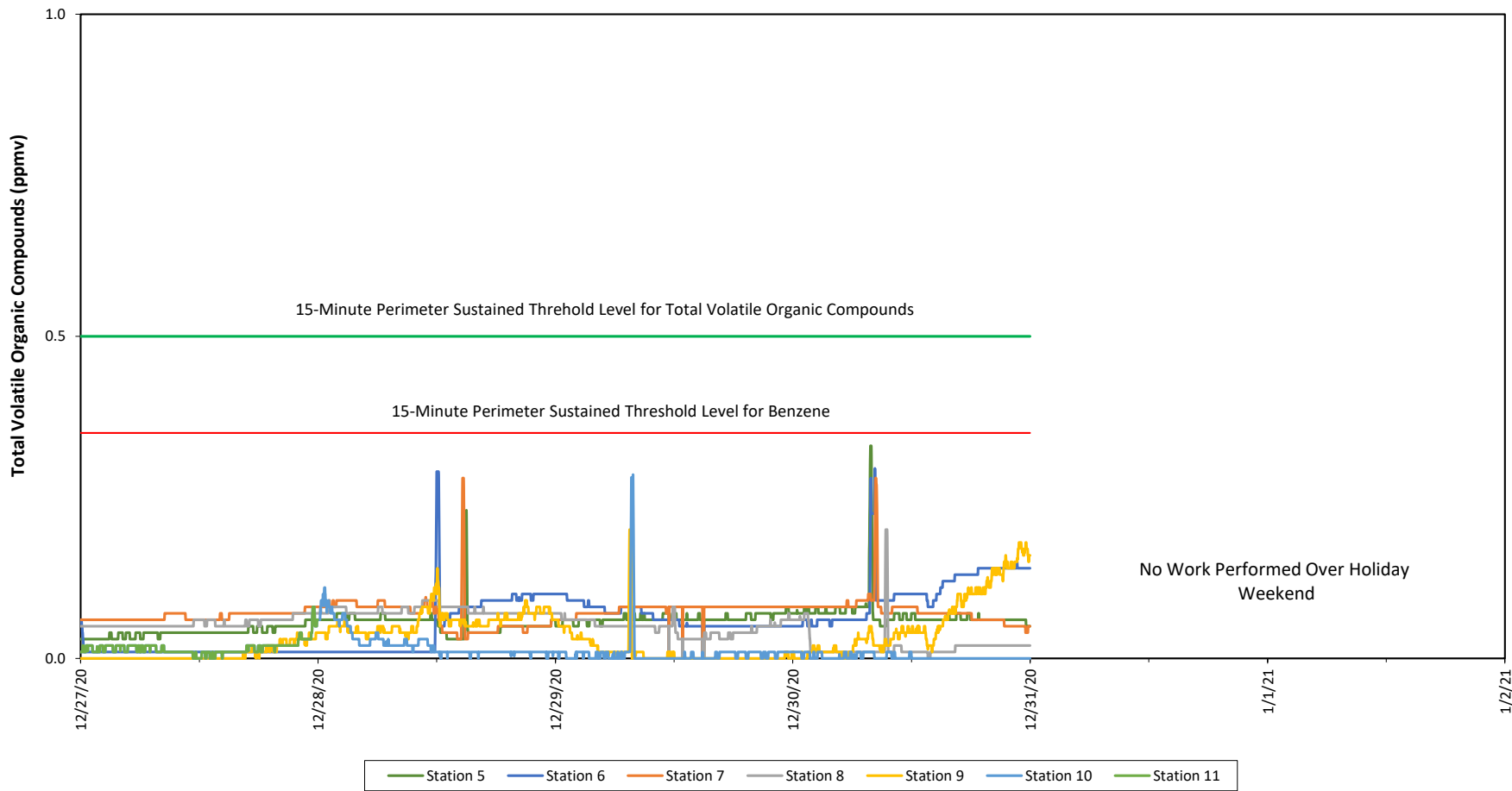


Prepared by National Grid for the Businesses and Residents Located Near the Former Tidewater Facility

Air Quality Monitoring - Total Volatile Organic Compounds

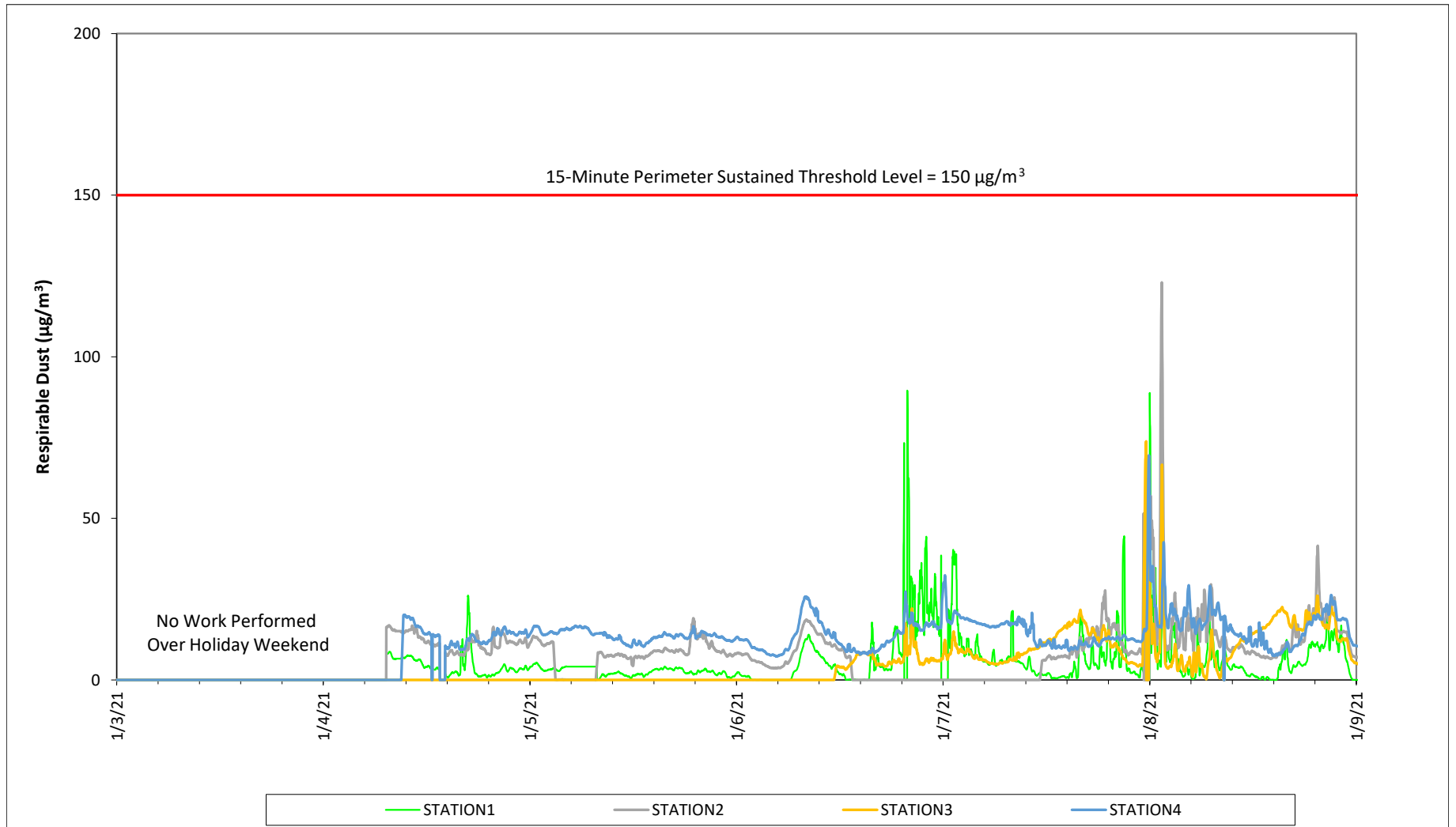


Prepared by National Grid for the Businesses and Residents Located Near the Former Tidewater Facility Air Quality Monitoring - Total Volatile Organic Compounds



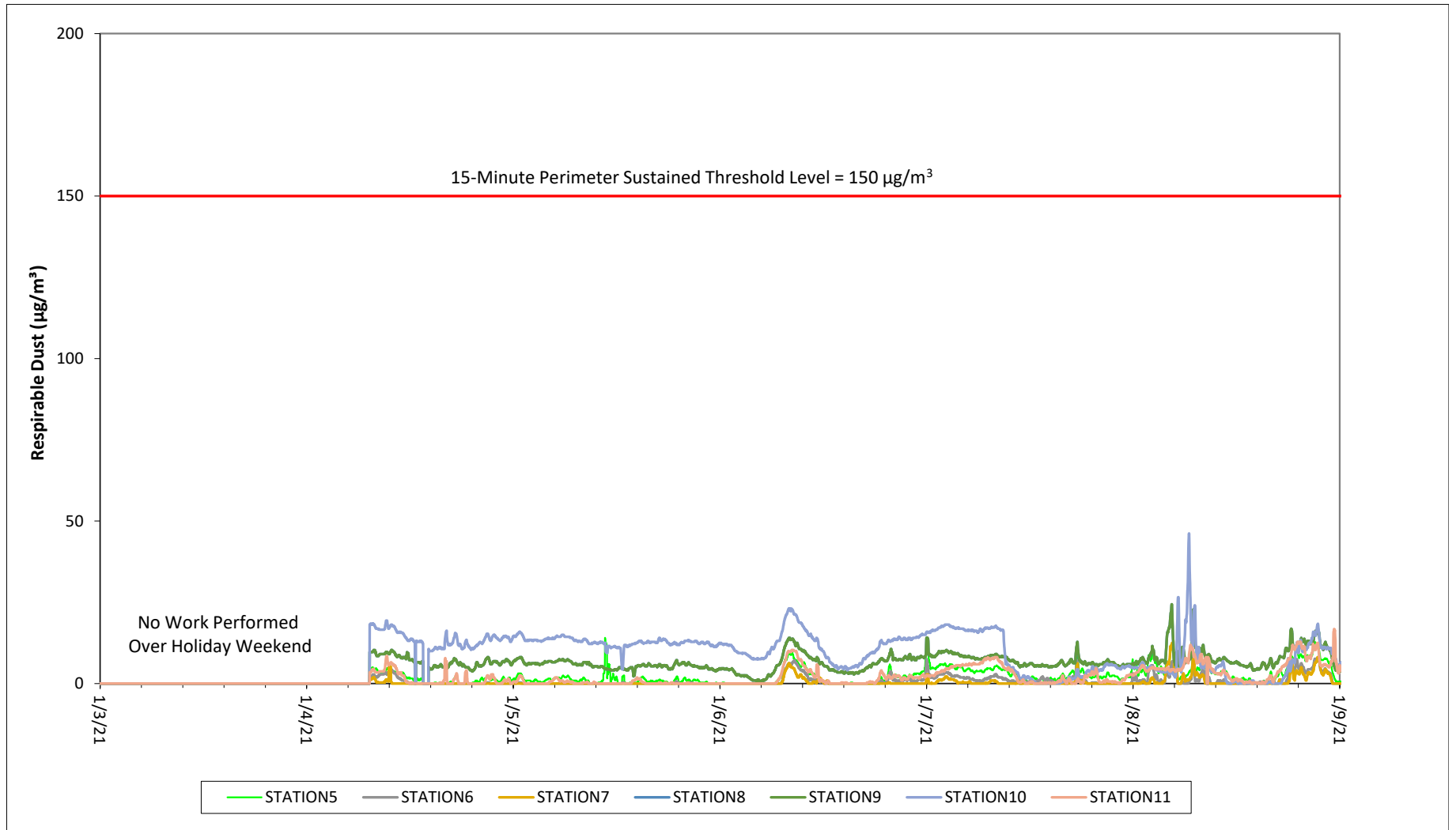
Prepared by National Grid for the Businesses and Residents Located Near the Tidewater Facility

Air Quality Monitoring - Respirable Dust



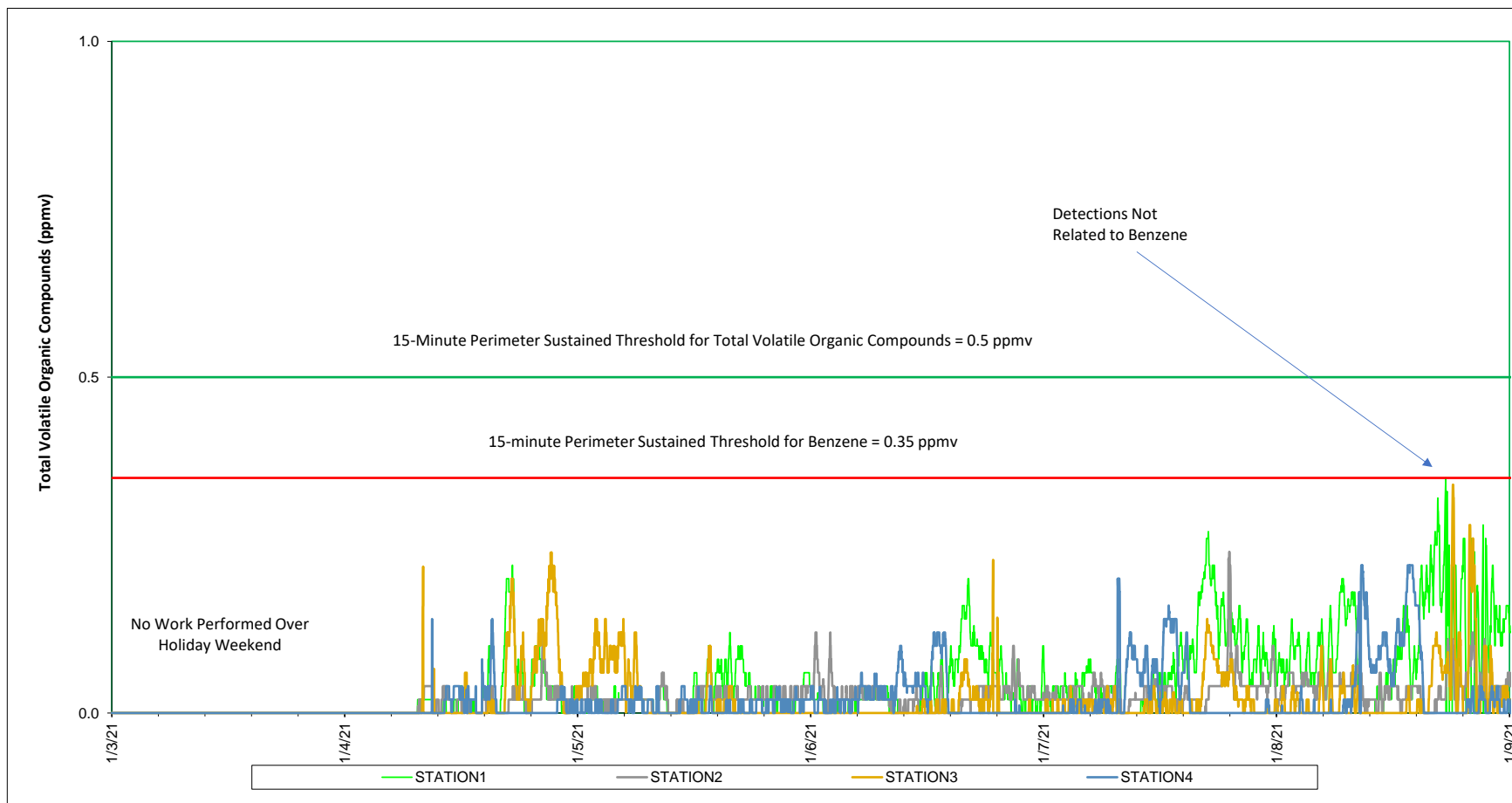
Prepared by National Grid for the Businesses and Residents Located Near the Tidewater Facility

Air Quality Monitoring - Respirable Dust



Prepared by National Grid for the Businesses and Residents Located Near the Former Tidewater Facility

Air Quality Monitoring - Total Volatile Organic Compounds



**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
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).