



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 11, 2021

Re: Site Response Action Report
Period December 14, 2020 through December 27, 2020
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 preliminary activities related to implementation of the remedial construction work. These activities included:
 - Installation of erosion and sedimentation controls downgradient of portions of the Site and around the on-Site edges of the freshwater wetland in the northern portion of the Site.
 - Completion of tree and vegetation clearing through-out the Site to facilitate execution of the work.
 - Chipping of organic debris, trees, and limbs and off-Site recycling of the resulting wood chips.
 - Installation of the turbidity curtain and oil absorbent boom within the river.
 - Initial installation of the staked turbidity curtain to protect the tidal wetland.
 - Layout and establishment of survey control to support the execution of the work.
- GZA continued to perform a turbidity monitoring program to determine background turbidity levels within the Seekonk River adjacent to the Site prior to implementation of the work within the river.
- GZA performed perimeter air monitoring for fugitive dust and total volatile organic compounds using portable handheld instruments between December 14 and December 21, 2020. 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 installed perimeter air monitoring stations on December 22, 2020 with assistance from Charter. Between December 22, 2020 and December 27, 2020, continuous (24 hours per day/7 days per week) perimeter air monitoring was performed for fugitive dust and total volatile organic compounds using 11 air monitoring stations (4 solar powered units and 7 electrically powered units). 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.



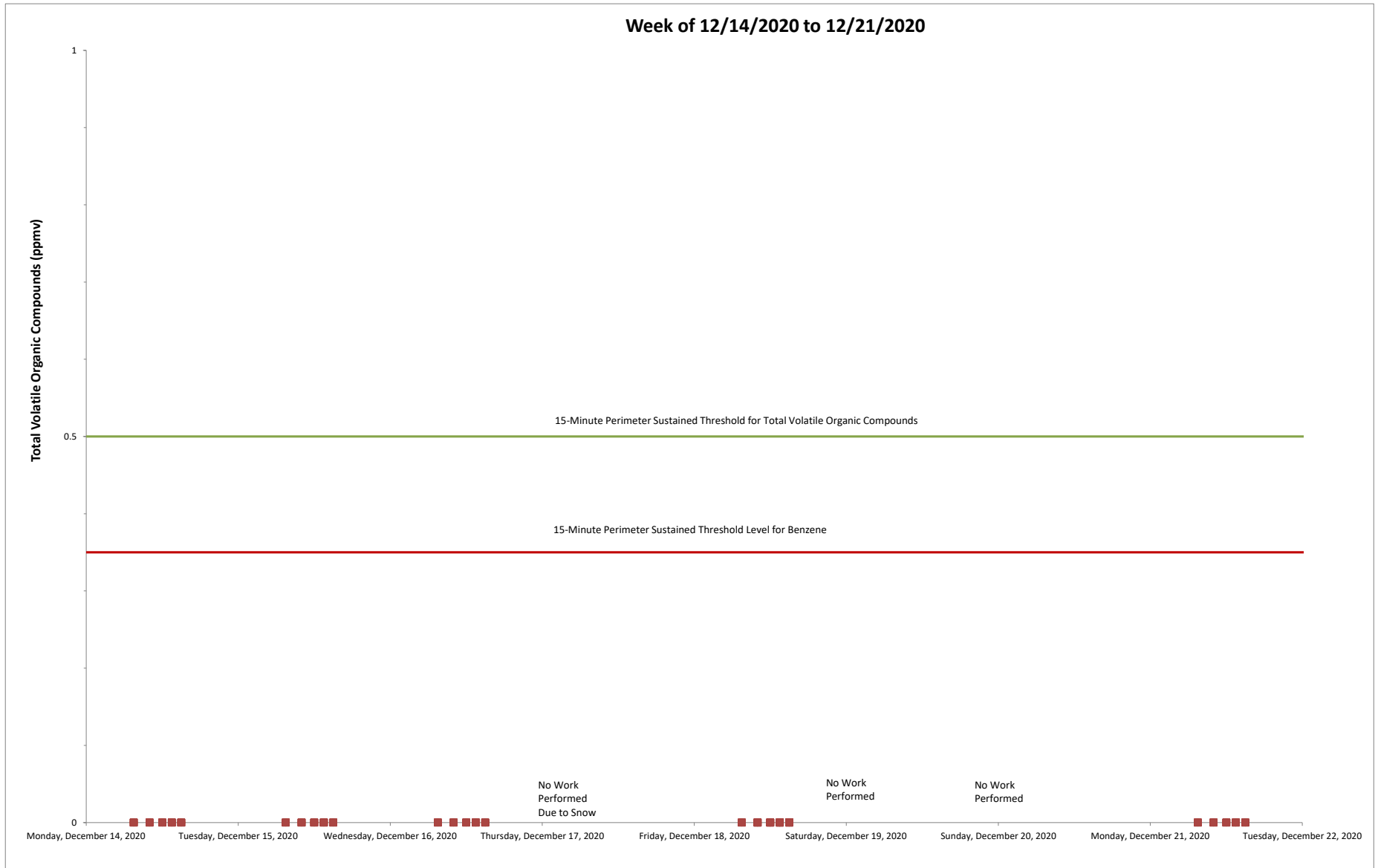
- GZA collected ambient air samples from upwind and downwind locations on December 16 and 23, 2020 for laboratory analysis for benzene, toluene, ethylbenzene, xylenes, and naphthalene. No exceedances of the project action levels were noted in the ambient air samples. The analytical results from these 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.

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

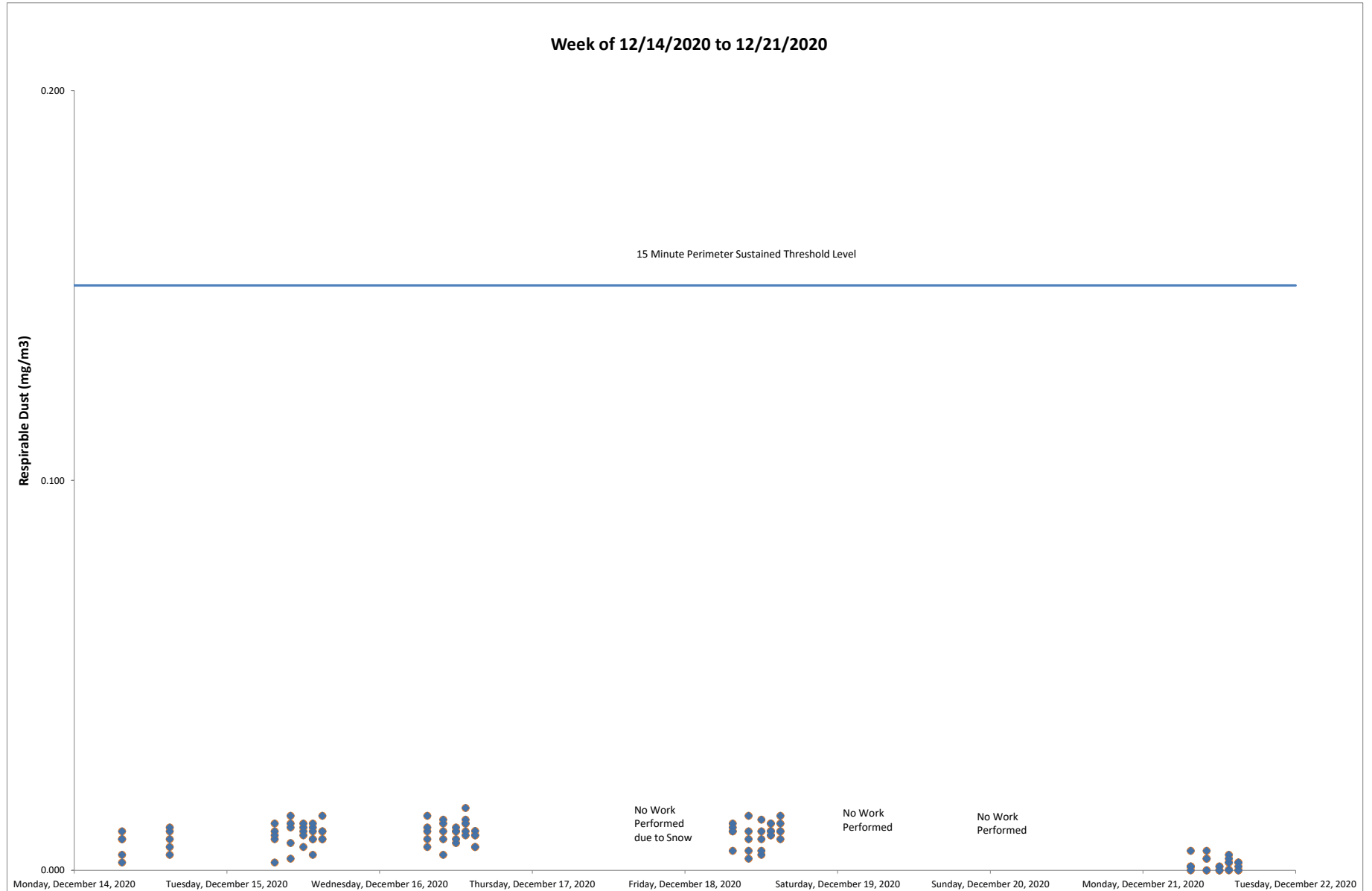
\\gzaprovidence\Jobs\ENV\43654.60\Correspondence\RIDEM Updates\2020-12-14 to 2020-12-27\2021-01-11_FINAL_Tidewater Bimonthly Update for December 14 to December 27.docx

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

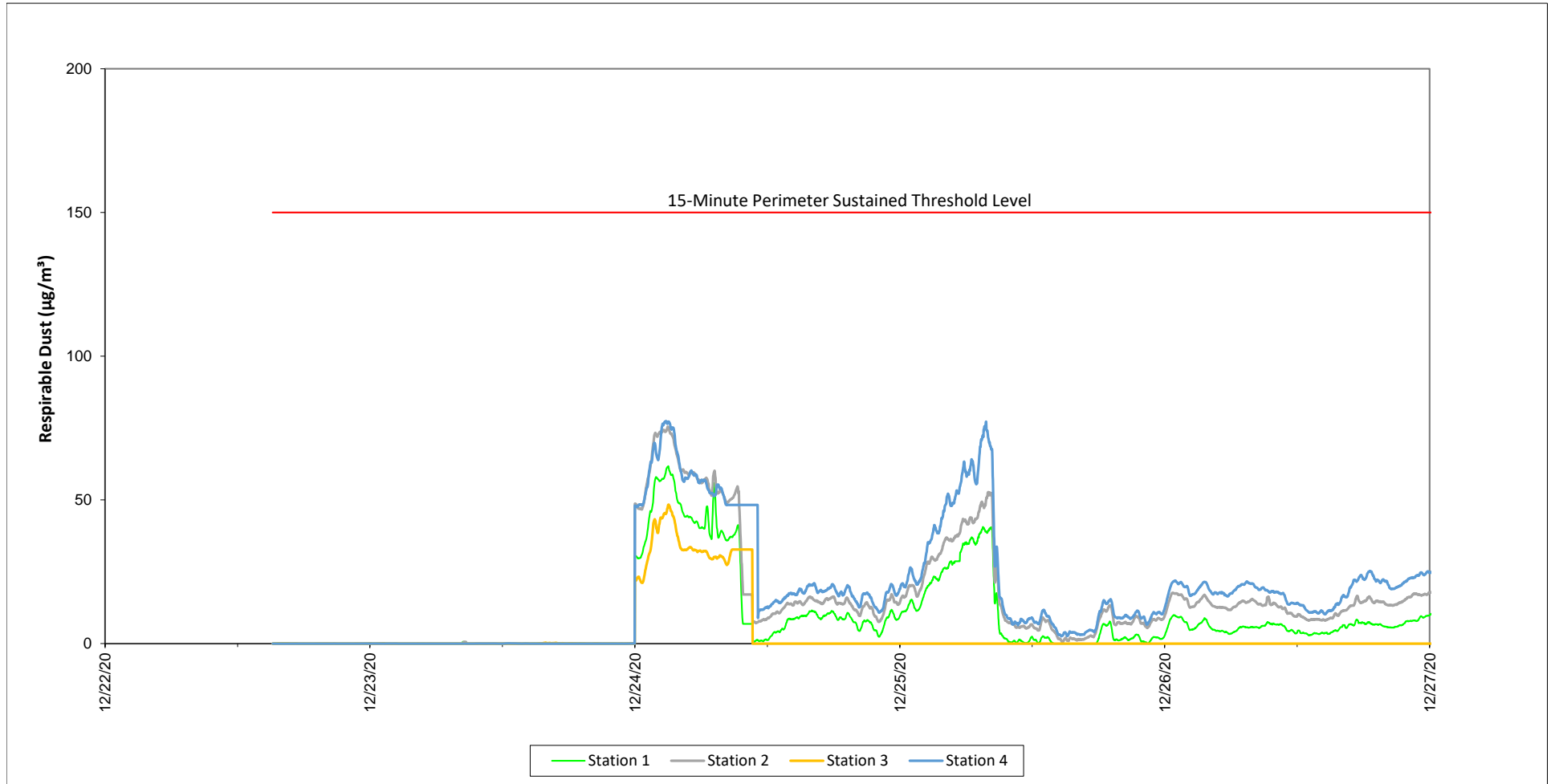
Air Quality Monitoring - Total Volatile Organic Compounds



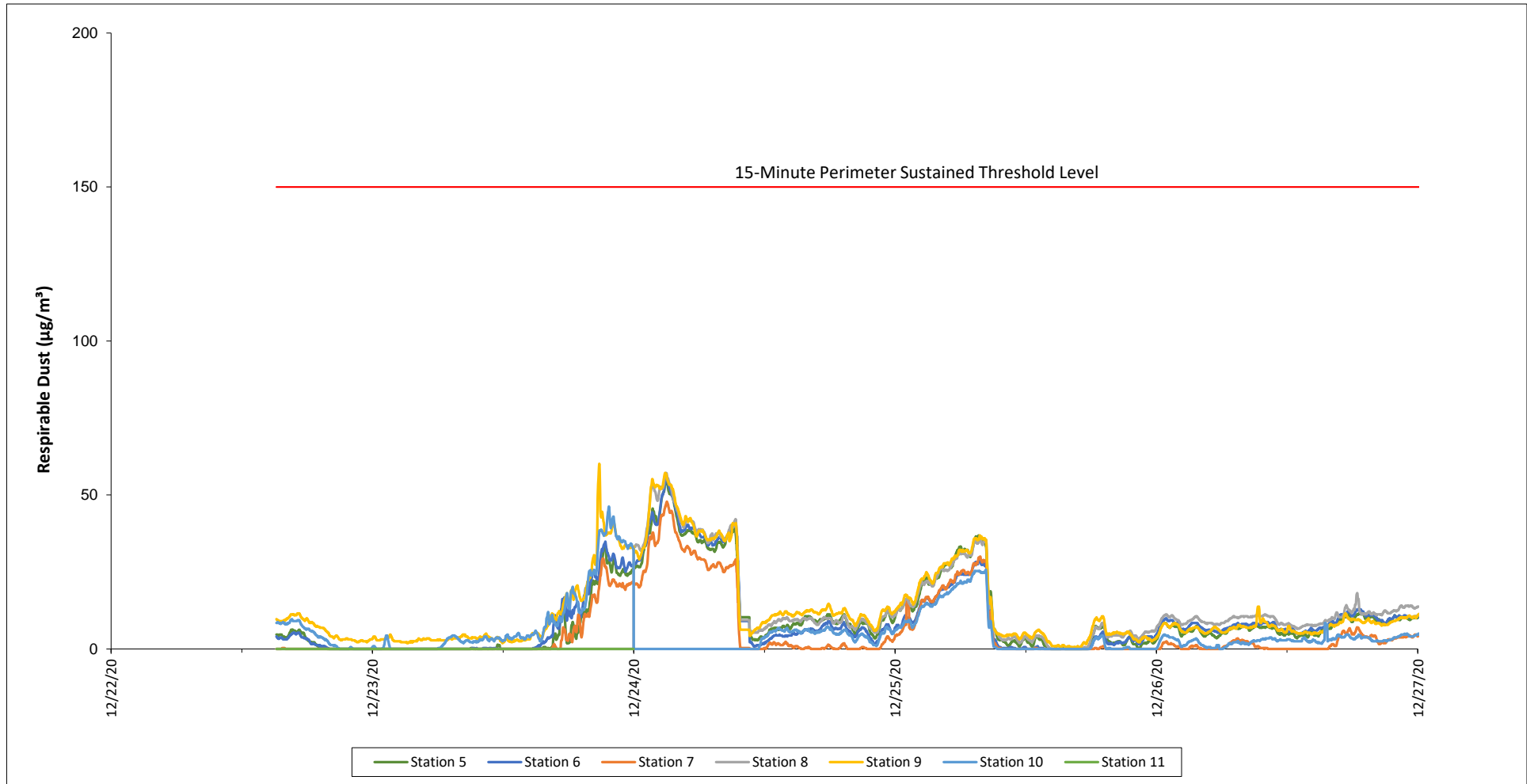
Prepared by National Grid for the Businesses and Residents Located Near the Former Tidewater Facility Air Quality Monitoring - Respirable Dust



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

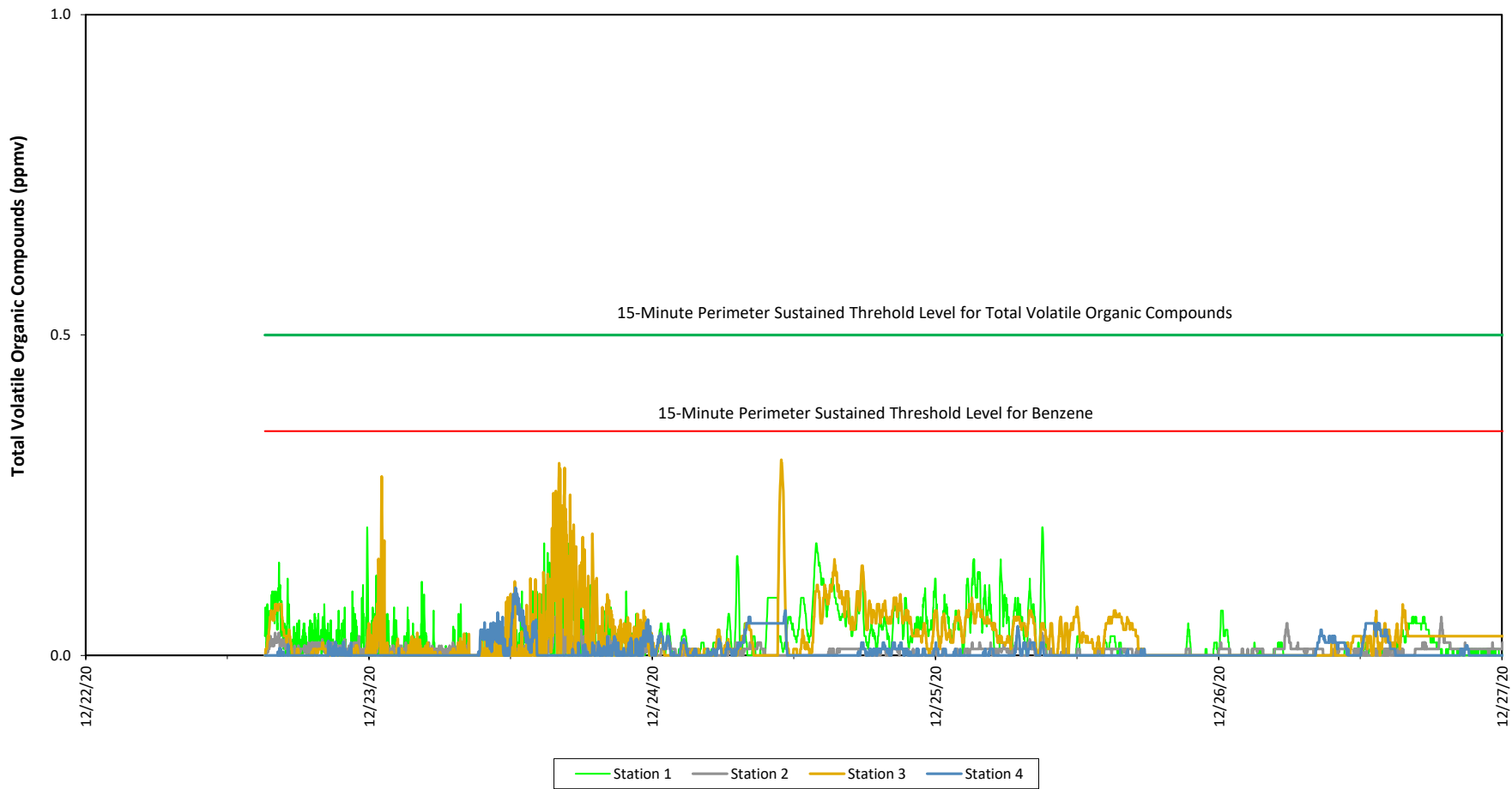


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Air Quality Monitoring - Respirable Dust



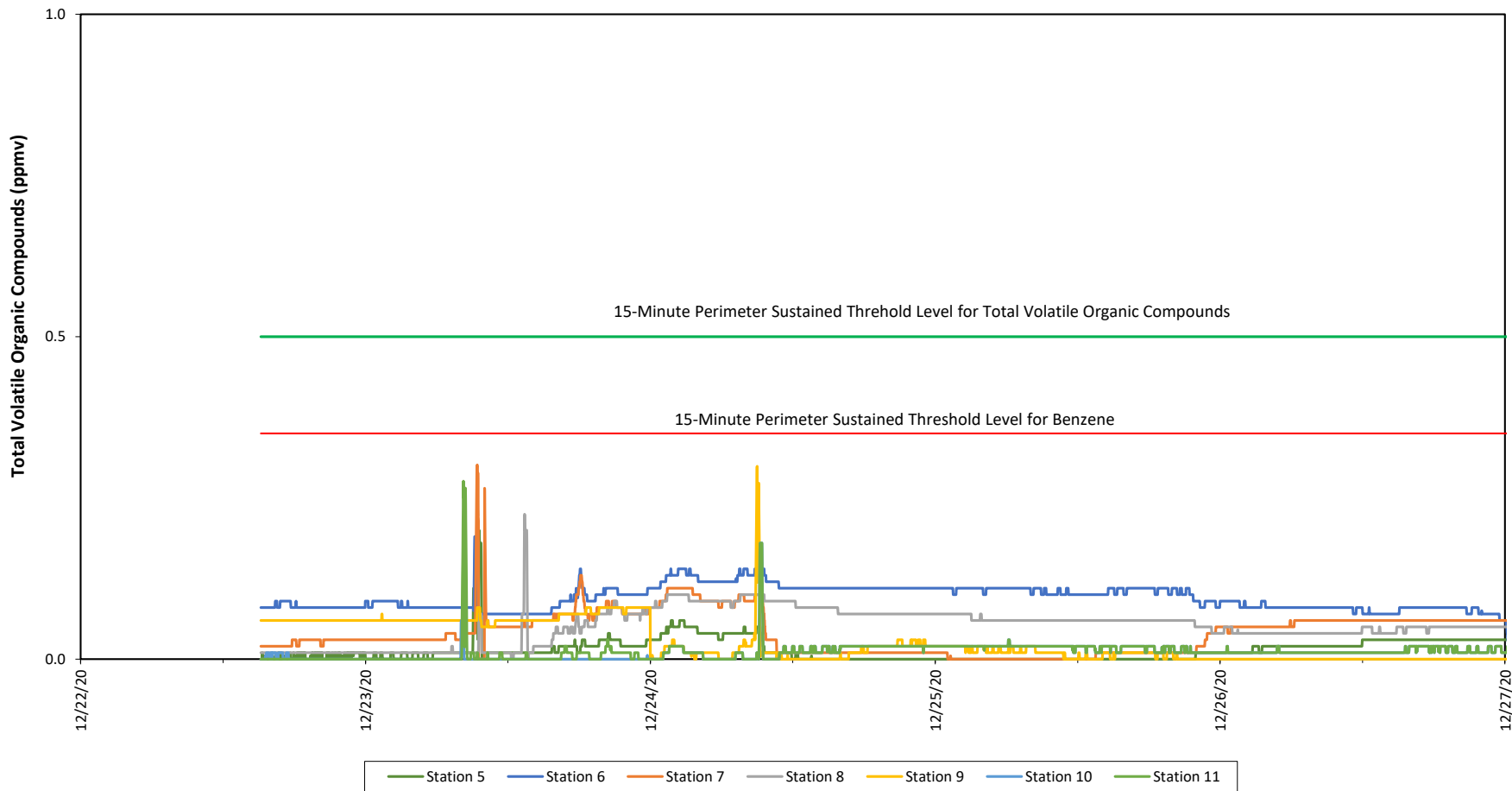
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Air Quality Monitoring - Total Volatile Organic Compounds



Prepared by National Grid for the Businesses and Residents Located Near the Former 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
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).