

Proactive by Design

GEOTECHNICAI

ENVIRONMENTAL ECOLOGICAL

WATER

CONSTRUCTION MANAGEMENT



MEMORANDUM

To: Joseph Martella, RIDEM

From: Dave Rusczyk, GZA

CC: Kenneth Lento, National Grid

Date: March 1, 2021

Re: Site Response Action Report

Period February 7, 2021 through February 22, 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:
 - o Continued installation of the steel sheetpiles for the containment wall.
 - Initiation of the abandonment of the former screenwell structure.
 - Abandonment of a former intake tunnel.
 - Initiation of upland demolition work in the northern portion of the Site.
 - o Initiation of installation of the engineered cap proximate and beneath the transmission towers and certain existing utility poles in the southern 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 respirable dust and total volatile organic compounds (TVOC) concentrations continuously 24 hours per day/7 days per week. No exceedances of the TVOC (0.5 parts per million), benzene (0.35 parts per million), or respirable dust (0.150 μg/m³) perimeter action levels were noted during the period covered by this report except for the following:
 - On February 7, 2021 at approximately 10:45 pm, respirable dust levels were detected at Station 10 above the respirable dust threshold level.
 - On February 18, 2021 at approximately 8:00 pm, TVOC concentrations were detected at Station 2 above the TVOC threshold level.

Both these stations are located in the northern portion of the Site and were upwind of the Site at the time of the detected levels. In addition, no work activities were being performed at these times. Given these observations, both isolated elevated levels were attributed to off-Site sources. 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.

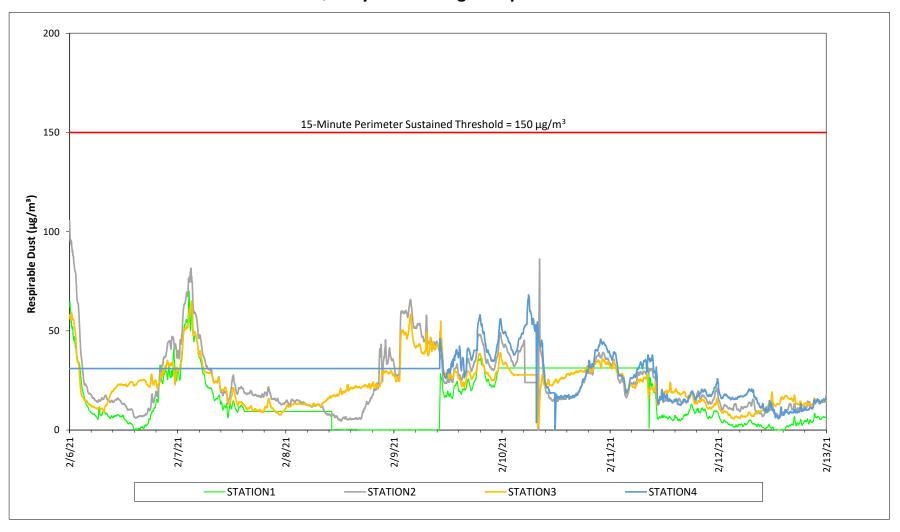


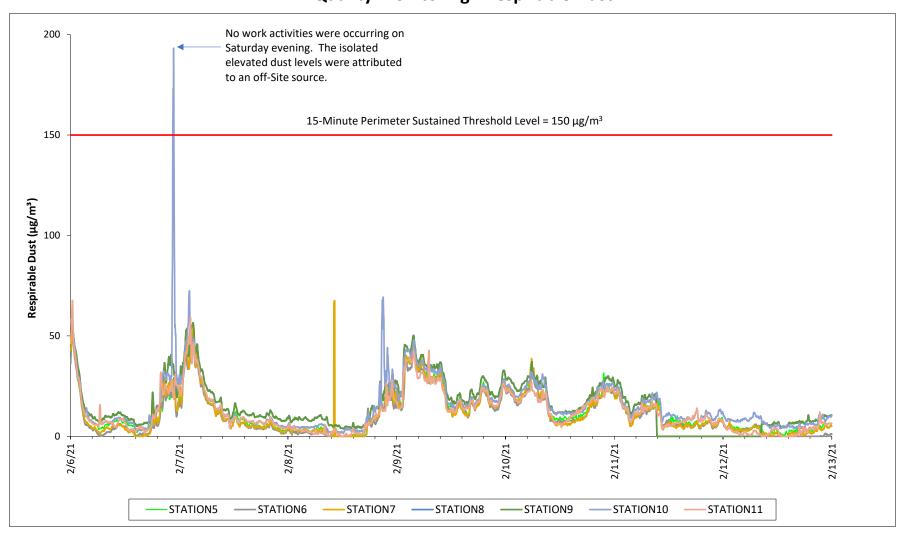
GZA collected ambient air samples from upwind and downwind locations on February 11, 2021 and February 18, 2021 for laboratory analysis for benzene, toluene, ethylbenzene, xylenes, and naphthalene. The analytical results from these samples indicated there were no exceedances of the project action levels. 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

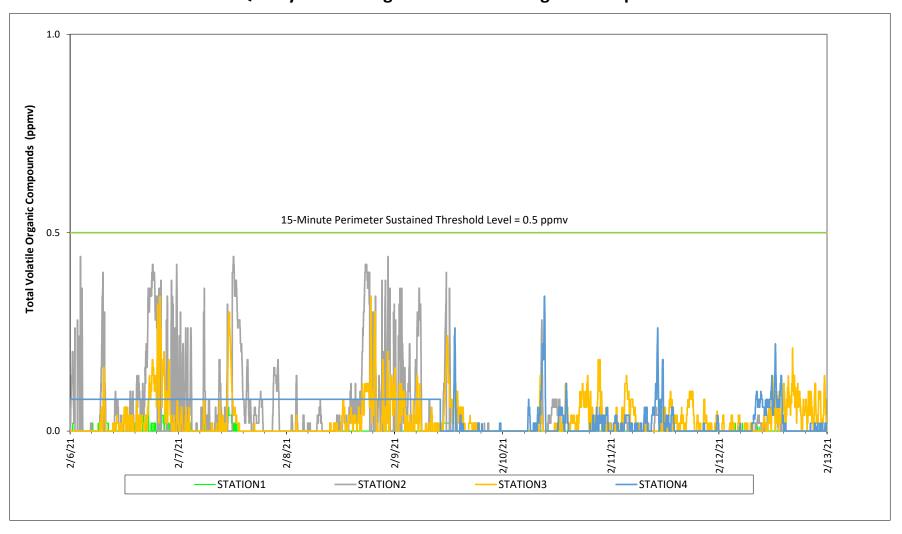
- Continued installation of the steel sheetpiles for the new containment wall.
- Continued upland demolition activities.
- Continued installation of the engineered cap proximate and beneath the transmission towers and certain existing utility poles in the southern portion of the Site.
- Abandonment of the former screen well structure.

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

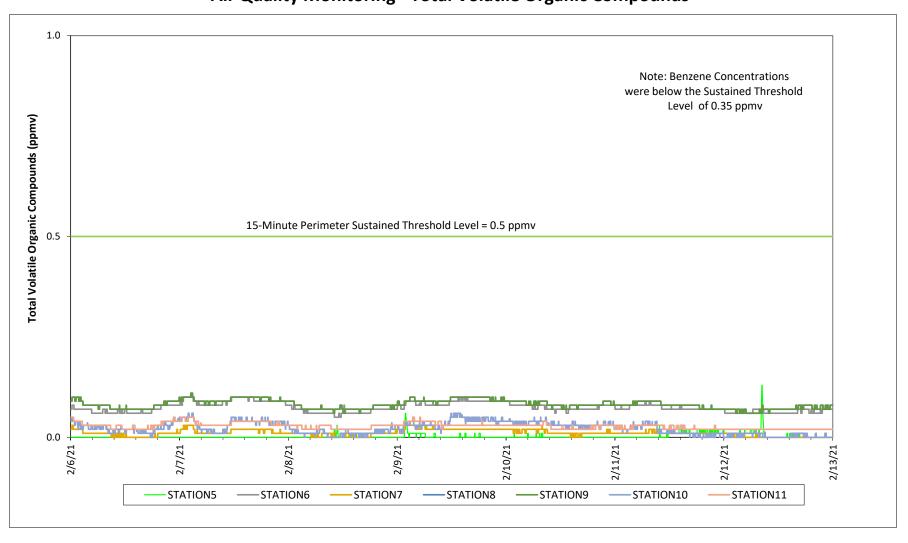


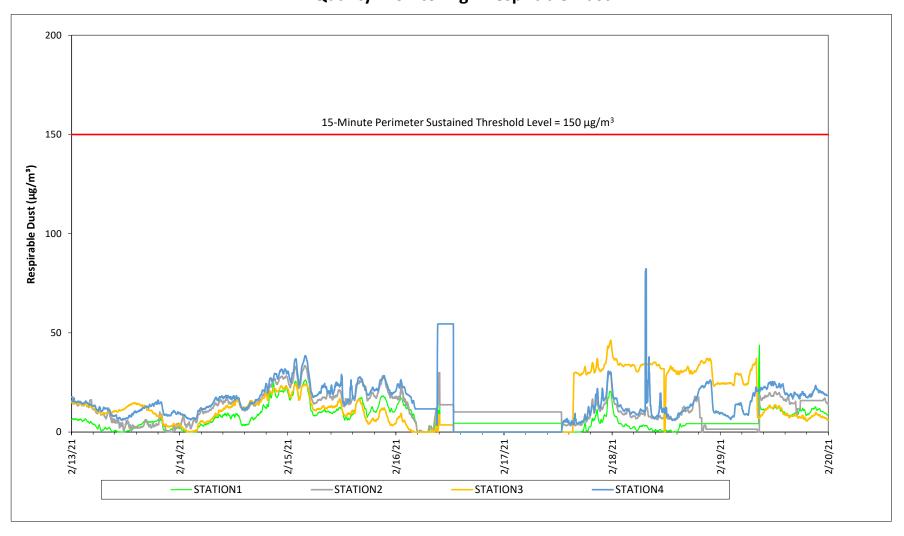


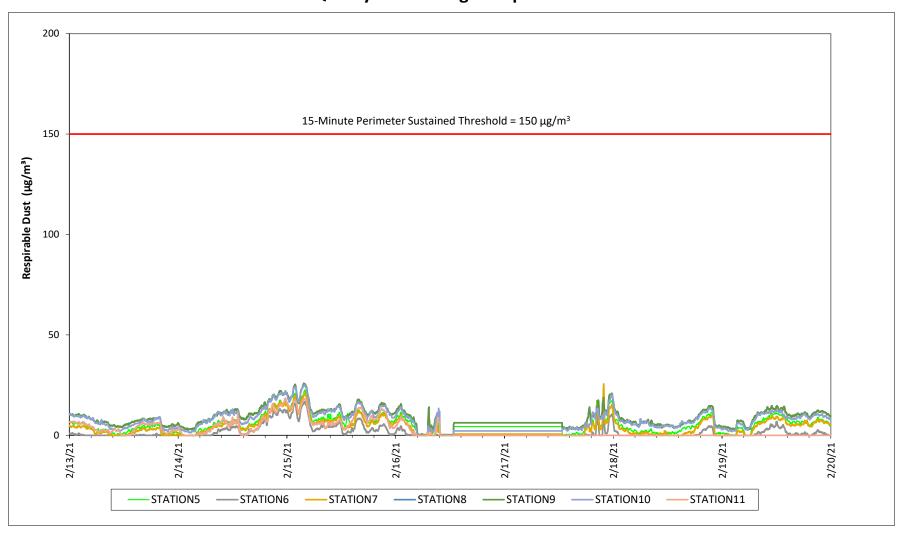
Prepared by National Grid for the Businesses and Residents Located Near the Former Tidewater Facility Air Quality Monitoring - Total Volatile Organic Compounds



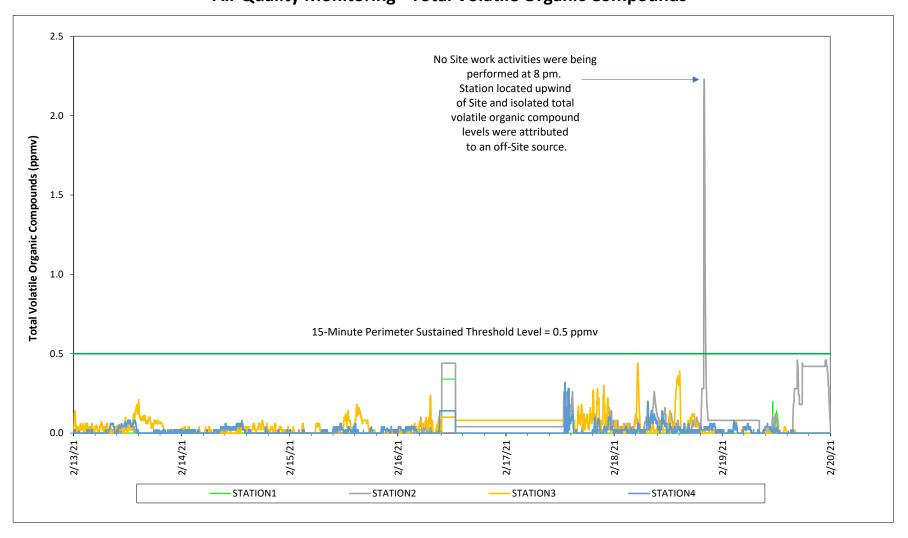
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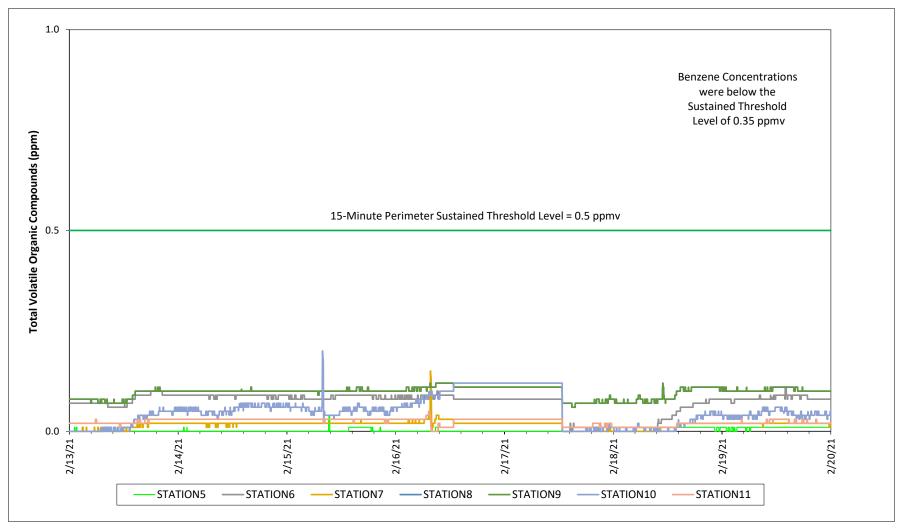


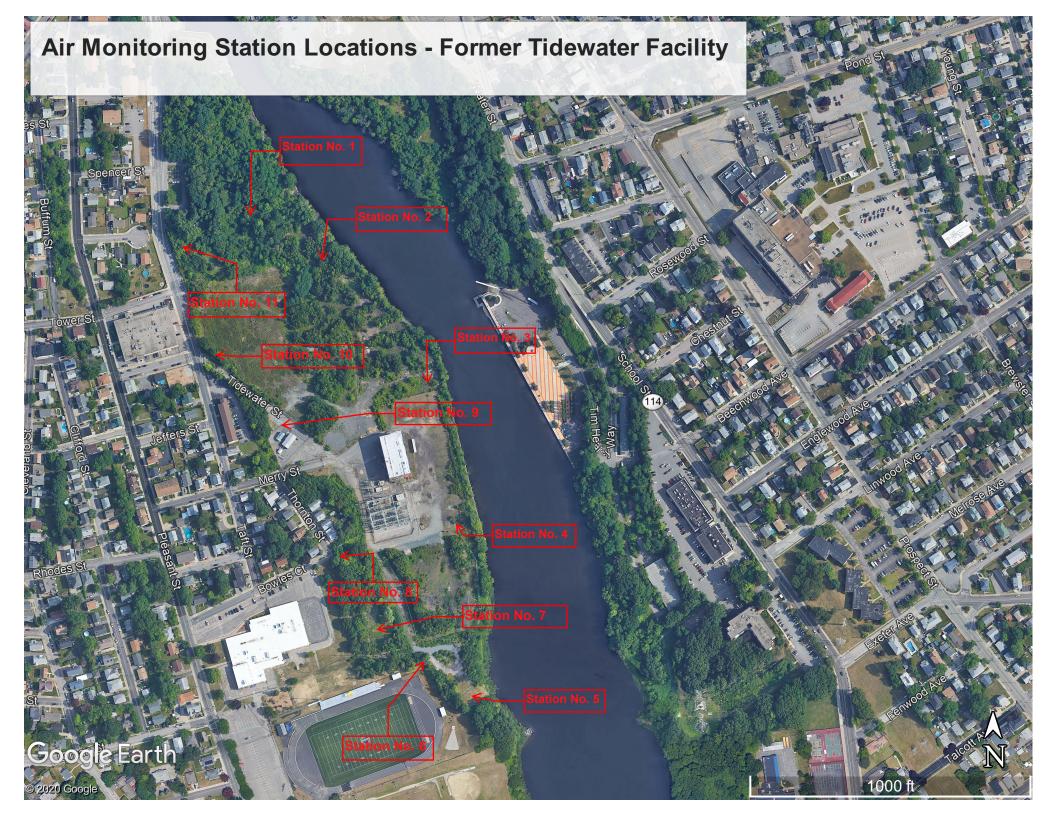
Prepared by National Grid for the Businesses and Residents Located Near the Former Tidewater Facility Air Quality Monitoring - Total Volatile Organic Compounds



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 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
2-11-21 UPSTREAM	0.19	0.12	< 0.2	< 0.7	< 0.5
2-11-21 DOWNSTREAM	0.17	< 0.2	< 0.2	< 0.7	< 0.5
2-18-21 UPSTREAM	0.46	2.8	0.11	0.25	< 0.5
2-18-21 DOWNSTREAM	0.31	0.42	0.13	0.45	< 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).