

Proactive by Design

GEOTECHNICAL

ENVIRONMENTAL

ECOLOGICAL

WATER

CONSTRUCTION MANAGEMENT



#### MEMORANDUM

To: Joseph Martella, RIDEM

From: Dave Rusczyk, GZA

Cc: Kenneth Lento, Rhode Island Energy

Date: October 31, 2022

Re: Site Response Action Report

Period October 2, 2022 through October 15, 2022

Former Tidewater Facility Pawtucket, Rhode Island

RIDEM Case No. 95-022 / Site Remediation File No. SR-26-0934

#### SITE ACTIVITIES PERFORMED

- During the reporting period covered by this report, Site activities were associated with the following:
  - On-going work associated with relocation of the existing combined sewer outfall (CSO) by the Narragansett Bay Commission (NBC);
  - On-going installation of electrical equipment in the newly constructed control house by Rhode Island Energy (RI Energy); and,
  - On-going placement of drainage stone materials within the limits of the field by Fortuitous Partners (Fortuitous).
- Perimeter air monitoring was performed during this reporting period with 4 electrically powered air monitoring stations located around the work activities with the potential to disturb impacted Site materials which was limited to NBC's work area. These stations measured and recorded respirable dust and total volatile organic compounds (TVOC) concentrations continuously 24 hours per day/7 days per week. As indicated in the attached weekly perimeter air monitoring graphs, no exceedances of the total volatile organic compound (0.5 ppmv) and respirable dust (150 µg/m³) perimeter threshold levels were observed during the monitoring period covered by this report with the exception of the following:
  - An isolated elevated total volatile organic compound (TVOC) concentration above the 15-minute sustained perimeter threshold level was observed at Station 9 on October 7, 2022 at 2:58 pm. No work was being performed in this area at this time and TVOC concentrations decreased to background levels before the source of the isolated elevated TVOC concentration was determined.
  - An isolated elevated TVOC concentration above the 15-minute sustained perimeter threshold level were observed at Station 10 on October 11, 2022. The elevated TVOC concentration appears to be related to the exhaust of a generator operating proximate to the station rather than the disturbance of Site soil.
  - Isolated elevated TVOC concentrations above the 15-minute sustained perimeter threshold level were observed at Station 10 on October 13, 2022 at 3:30 am and October 14, 2022 at 4:24 pm. No work was being performed at these times and the source of the isolated elevated TVOC concentrations is unclear.



• GZA collected ambient air samples from upwind and downwind locations on October 6 and 13, 2022 for laboratory analysis for benzene, toluene, ethylbenzene, xylenes, and naphthalene. The analytical results 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

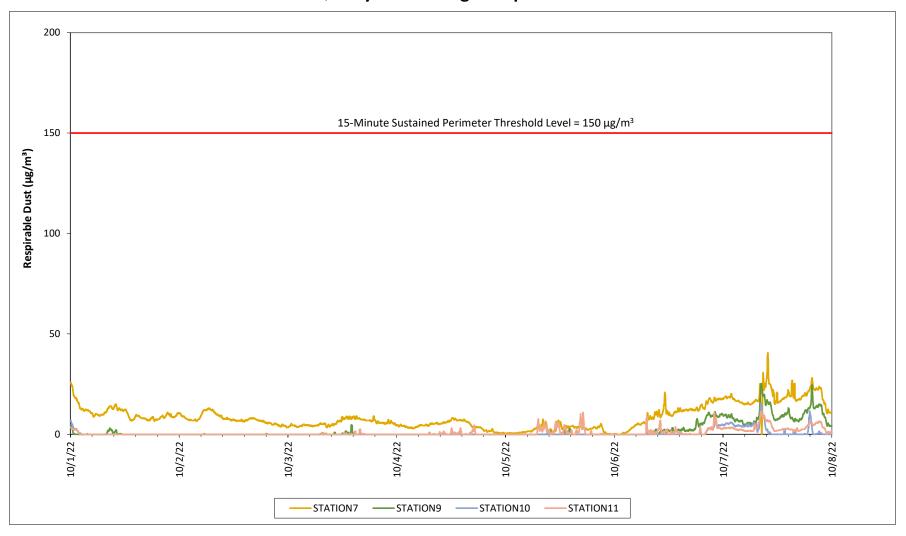
- On-going CSO relocation work by NBC's contractor.
- On-going installation of electrical equipment within the new control house building by RI Energy.
- On-going installation of the field drainage system by Fortuitous.

Please contact Kenneth Lento at 401-784-4250 if you have any questions or comments.

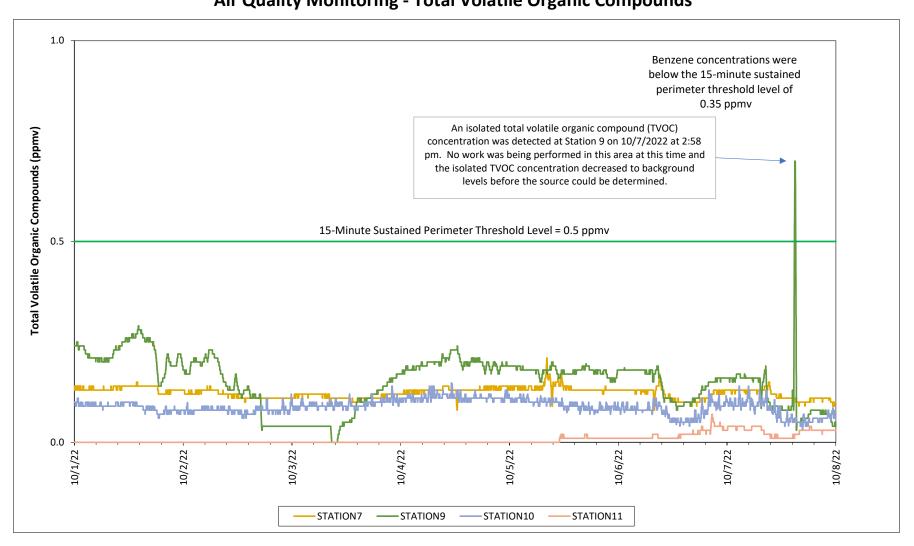
### **Attachments:**

Weekly Perimeter Air Monitoring Results Air Monitoring Station Locations Weekly Ambient Air Sampling Results

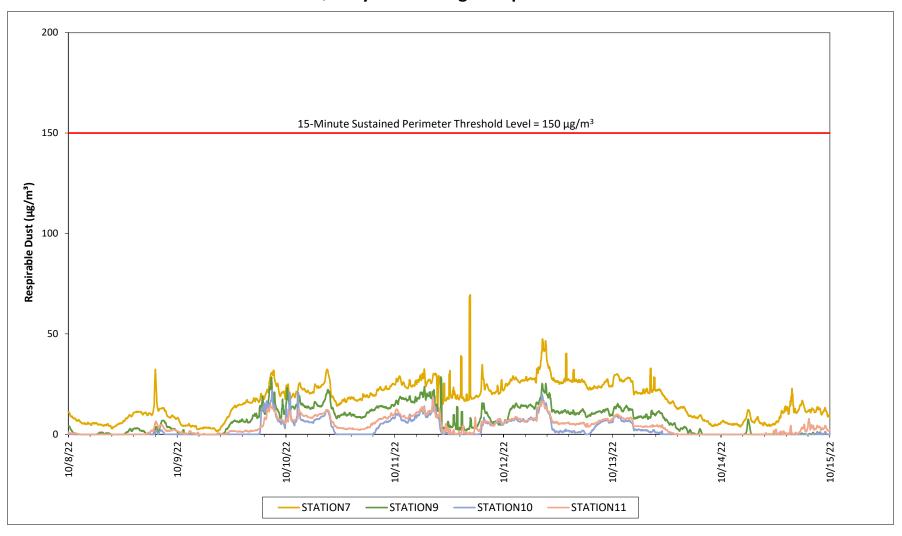
# Prepared for the Businesses and Residents Located Near the Former Tidewater Facility Air Quality Monitoring - Respirable Dust



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

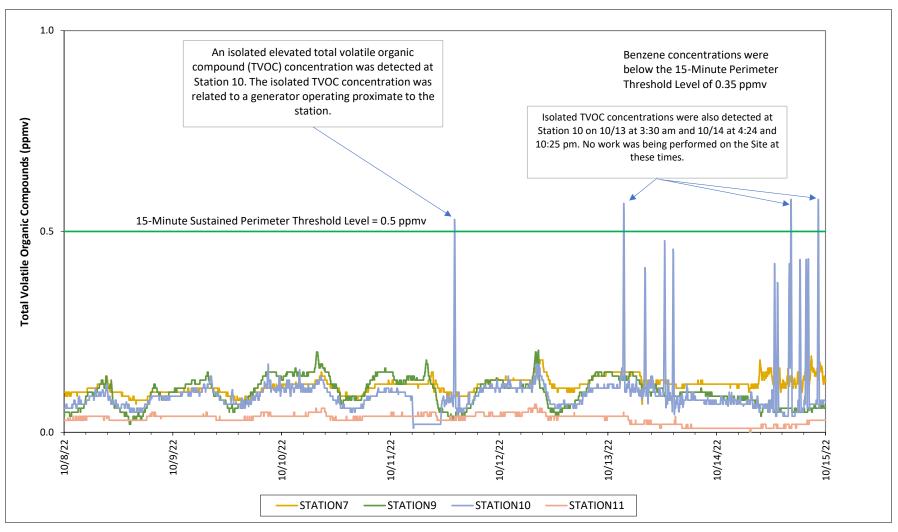


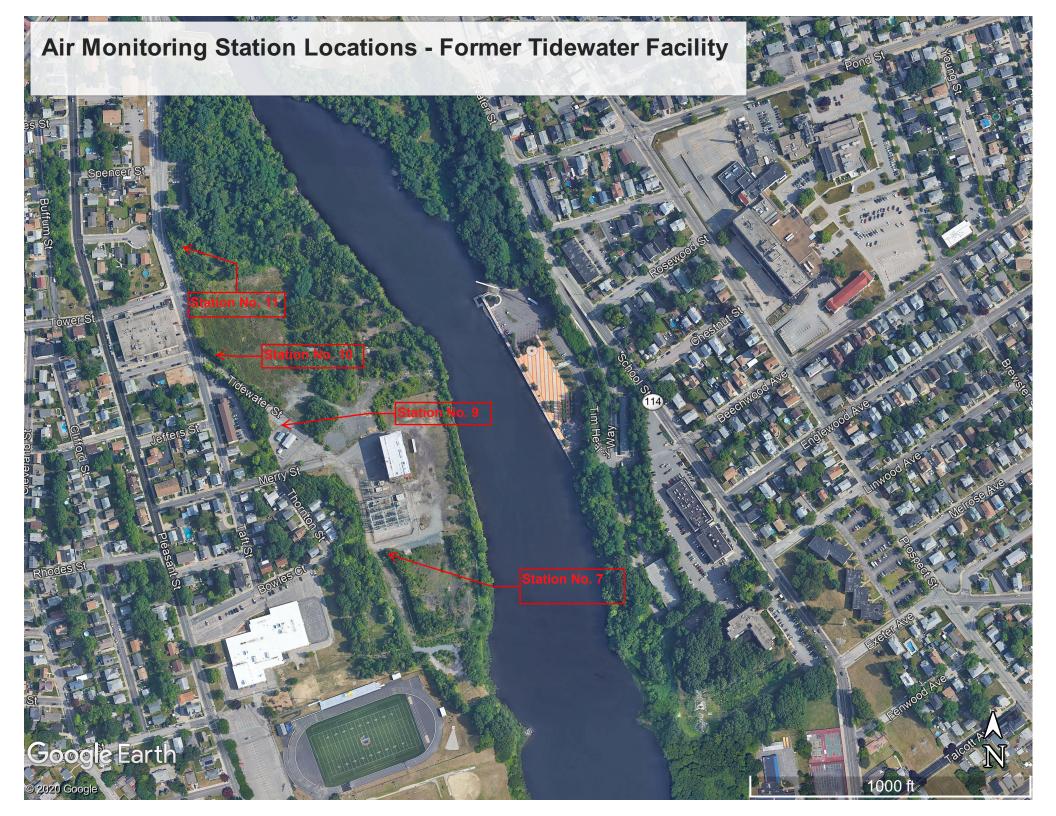
# Prepared for the Businesses and Residents Located Near the Former Tidewater Facility Air Quality Monitoring - Respirable Dust



## Prepared for the Businesses and Residents Located Near the Former Tidewater Facility

## **Air Quality Monitoring - Total Volatile Organic Compounds**





| 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       |  |  |
| 2-25-21 UPSTREAM      | < 0.2     | 0.16         | < 0.2        | 0.16          | < 0.5       |  |  |
| 2-25-21 DOWNSTREAM    | 0.13      | < 0.2        | 0.081        | 0.3           | < 0.5       |  |  |
| 3-4-21 UPSTREAM       | 0.13      | 0.21         | < 0.2        | 0.18          | 0.27        |  |  |
| 3-4-21 DOWNSTREAM     | 0.15      | 0.12         | < 0.2        | 0.16          | < 0.5       |  |  |
| 3-11-21 UPSTREAM      | 0.18      | 0.17         | < 0.2        | 0.23          | 0.3         |  |  |
| 3-11-21 DOWNSTREAM    | 0.18      | 0.17         | 0.23         | 1.0           | < 0.5       |  |  |
| 3-18-21 DOWNSTREAM    | 0.18      | 1.6          | 0.19         | 0.67          | < 0.5       |  |  |
| 3-25-21 UPSTREAM      | 0.44      | 0.32         | 0.19         | 4.1           | 0.53        |  |  |
|                       | 0.17      |              | 0.85         | 0.57          | 0.53        |  |  |
| 3-25-21 DOWNSTREAM    | 0.33      | 0.67<br>0.17 | < 0.2        | < 0.7         | < 0.5       |  |  |
| 4-1-21 UPSTREAM       |           |              | · ·          |               |             |  |  |
| 4-1-21 DOWNSTREAM     | 0.12      | 0.11         | < 0.2        | < 0.7         | < 0.5       |  |  |
| 4-8-21 UPSTREAM       | 0.096     | 0.12         | 1.5          | 8.0           | < 0.5       |  |  |
| 4-8-21 DOWNSTREAM     | 0.086     | 0.14         | 0.086        | 0.38          | 0.19        |  |  |
| 4-15-21 UPSTREAM      | 0.85      | 0.57         | 0.1          | 0.44          | < 0.5       |  |  |
| 4-15-21 DOWNSTREAM    | 0.11      | 0.11         | 0.26         | 1.20          | < 0.5       |  |  |
| 4-22-21 UPSTREAM      | 0.11      | < 0.2        | < 0.2        | < 0.7         | < 0.5       |  |  |
| 4-22-21 DOWNSTREAM    | 0.11      | 0.16         | < 0.2        | < 0.7         | < 0.5       |  |  |
| 4-29-21 UPSTREAM      | 0.14      | 0.34         | 0.11         | 0.32          | 0.26        |  |  |
| 4-29-21 DOWNSTREAM    | 0.19      | 0.39         | 0.11         | 0.37          | 0.27        |  |  |
| 5-6-21 UPSTREAM       | 0.086     | 0.15         | < 0.2        | < 0.7         | 0.38        |  |  |
| 5-6-21 DOWNSTREAM     | 1.0       | 8.4          | 0.21         | 0.69          | < 0.5       |  |  |
| 5-13-21 UPSTREAM      | < 0.2     | 0.36         | < 012        | 0.19          | 0.34        |  |  |
| 5-13-21 DOWNSTREAM    | 0.12      | < 0.2        | < 0.2        | < 0.7         | < 0.5       |  |  |
| 5-20-2021 UPSTREAM    | 0.38      | 2.5          | < 0.2        | < 0.7         | < 0.5       |  |  |
| 5-20-2021 DOWNSTREAM  | 0.16      | 0.56         | 0.3          | 1.40          | < 0.5       |  |  |
| Project Action Levels | 6.2       | 80           | 230          | 23            | 20          |  |  |

| Sample Date                              | Compounds     |              |               |               |                 |  |  |
|--|---------------|--------------|---------------|---------------|-----------------|--|--|
|  | Benzene       | Toluene      | Ethylbenzene  | Total Xylenes | Naphthalene     |  |  |
|  | (ppb v/v)     |              |               |               |                 |  |  |
| 5-27-21 UPSTREAM                         | 0.095         | 0.12         | 0.45          | 2.10          | 0.4             |  |  |
| 5-27-21 DOWNSTREAM                       | 0.075         | 0.094        | < 0.2         | < 0.7         | < 0.5           |  |  |
| 6-3-21 UPSTREAM                          | < 0.2         | 0.16         | < 0.2         | < 0.7         | < 0.5           |  |  |
| 6-3-21 DOWNSTREAM                        | 0.075         | 0.11         | < 0.2         | < 0.7         | < 0.5           |  |  |
| 6-10-21 UPSTREAM                         | < 0.2         | < 0.2        | < 0.2         | < 0.7         | < 0.5           |  |  |
| 6-10-21 DOWNSTREAM                       | < 0.2         | < 0.2        | < 0.2         | < 0.7         | < 0.5           |  |  |
| 6-17-21 UPSTREAM                         | 0.64          | 0.6          | 0.48          | 0.66          | 0.64            |  |  |
| 6-17-21 DOWNSTREAM                       | 0.12          | 0.12         | 0.16          | < 0.7         | < 0.5           |  |  |
| 6-24-21 UPSTREAM                         | < 0.2         | 0.17         | < 0.2         | < 0.7         | < 0.5           |  |  |
| 6-24-21 DOWNSTREAM                       | < 0.2         | 0.45         | 0.19          | 0.82          | < 0.5           |  |  |
| 7-1-21 UPSTREAM                          | 1.10          | 7.9          | 0.12          | 0.39          | < 0.7           |  |  |
| 7-1-21 DOWNSTREAM                        | 0.13          | 0.74         | < 0.2         | 0.29          | < 0.7           |  |  |
| 7-8-21 UPSTREAM                          | < 0.2         | 0.29         | < 0.2         | 0.38          | 0.29            |  |  |
| 7-8-21 DOWNSTREAM                        | < 0.2         | < 0.2        | < 0.2         | < 0.7         | < 0.5           |  |  |
| 7-15-21 UPSTREAM                         | 0.10          | 0.28         | < 0.2         | 0.32          | < 0.5           |  |  |
| 7-15-21 DOWNSTREAM                       | 0.14          | 0.37         | 0.31          | 1.5           | < 0.5           |  |  |
| 7-22-21 UPSTREAM                         | 0.27          | 0.3          | < 0.2         | < 0.7         | < 0.5           |  |  |
| 7-22-21 DOWNSTREAM                       | 0.30          | 0.33         | < 0.2         | < 0.7         | < 0.5           |  |  |
| 7-29-21 UPSTREAM                         | 0.22          | 0.26         | 0.1           | 0.56          | 0.19            |  |  |
| 7-29-21 DOWNSTREAM                       | 0.099         | 0.23         | < 0.2         | < 0.7         | < 0.5           |  |  |
| 8-5-21 UPSTREAM                          | 0.70          | 1.2          | < 0.2         | 0.17          | < 0.5           |  |  |
| 8-5-21 DOWNSTREAM                        | 0.310         | 0.53         | < 0.25        | < 0.88        | < 0.63          |  |  |
| 8-12-21 UPSTREAM                         | 0.19          | 0.18         | < 0.2         | < 0.7         | 0.2             |  |  |
| 8-12-21 DOWNSTREAM                       | 1.2           | 0.7          | < 0.2         | 0.31          | < 0.5           |  |  |
| 8-19-21 UPSTREAM                         | 0.66          | 6.2          | 1.2           | 3.50          | < 1.6           |  |  |
| 8-19-21 DOWNSTREAM                       | 0.21          | 0.24         | < 0.2         | 0.11          | < 0.5           |  |  |
| 8-26-21 UPSTREAM                         | 0.34          | 0.73         | 0.22          | 0.90          | 0.18            |  |  |
| 8-26-21 DOWNSTREAM                       | 0.34          | 0.63         | 0.24          | 0.87          | 0.31            |  |  |
| 9-1-21 UPSTREAM                          | 0.17          | 0.34         | < 0.2         | < 0.7         | < 0.5           |  |  |
| 9-1-21 DOWNSTREAM                        | 0.18          | 0.35         | < 0.2         | 0.19          | < 0.5           |  |  |
| 9-9-21 UPSTREAM                          | 0.12          | 0.22         | < 0.2         | 0.28          | < 0.5           |  |  |
| 9-9-21 DOWNSTREAM                        | < 0.2         | 0.89         | < 0.2         | < 0.7         | 0.42            |  |  |
| 9-16-21 UPSTREAM<br>9-16-21 DOWNSTREAM   | 0.14          | 0.26<br>0.26 | 0.11<br>< 0.2 | 0.31          | 0.3<br>< 0.5    |  |  |
|  | 0.11          |              |               | 0.28          |                 |  |  |
| 9-23-21 UPSTREAM                         | < 0.2         | 0.12         | < 0.2         | < 0.7         | < 0.5           |  |  |
| 9-23-21 DOWNSTREAM                       | < 0.2<br>0.17 | 0.12         | < 0.2         | < 0.7         | < 0.5           |  |  |
| 9-30-21 UPSTREAM                         |               | 0.37<br>0.21 | 0.23          | 0.66<br>< 0.7 | < 0.51<br>< 0.5 |  |  |
| 9-30-21 DOWNSTREAM                       | 0.086         |              |               |               |                 |  |  |
| 10-7-21 UPSTREAM                         | 0.24<br>< 0.2 | 0.55<br>0.42 | 0.14          | 0.41<br>0.16  | < 0.5<br>< 0.5  |  |  |
| 10-7-21 DOWNSTREAM                       | 0.19          |              | 0.11<br>< 0.2 |               | < 0.5           |  |  |
| 10-14-21 UPSTREAM<br>10-14-21 DOWNSTREAM | 0.19          | 0.40<br>0.89 | 0.23          | < 0.7<br>0.75 | < 0.5           |  |  |
| 10-14-21 DOWNSTREAM 10-22-21 UPWIND      | 0.14          | 0.89         | < 0.2         | < 0.7         | < 0.5           |  |  |
| 10-22-21 OFWIND                          | 0.14          | 0.32         | < 0.2         | 0.43          | < 0.5           |  |  |
| 10-22-21 DOWNWIND<br>10-28-21 UPWIND     | 0.13          | 0.39         | 0.46          | 0.43          | < 0.5           |  |  |
| 10-28-21 DOWNWIND                        | 0.41          | 0.14         | < 0.2         | < 0.70        | < 0.5           |  |  |
| 11-4-2021 UPWIND                         | 0.18          | 0.43         | < 0.2         | < 0.70        | < 0.5           |  |  |
| 11-4-2021 DOWNWIND                       | 0.20          | 0.31         | < 0.2         | < 0.70        | < 0.5           |  |  |
| 11-4-2021 DOWNWIND<br>11-11-21 UPWIND    | 0.14          | 0.23         | 0.17          | 0.51          | 0.35            |  |  |
| 11-11-21 DOWNWIND                        | 0.23          | 0.45         | 0.17          | 0.56          | < 0.5           |  |  |
| 11-11-21 DOWNWIND                        | 0.31          | 0.89         | < 0.2         | < 0.7         | < 0.5           |  |  |
| 11-18-2021 UPWIND                        | 0.14          | 0.54         | 0.32          | 0.26          | 2.4             |  |  |
| 11-23-21 DOWNWIND                        | 0.13          | 0.24         | < 0.2         | 0.33          | < 0.5           |  |  |
| 11-23-21 UPWIND                          | 0.13          | 1.0          | < 0.2         | 0.30          | 0.23            |  |  |
| 12-02-21 DOWNWIND                        | 0.27          | 0.82         | 0.22          | 1.0           | 0.25            |  |  |
| 12-02-21 DOWNWIND                        | 0.28          | 0.67         | < 0.2         | 0.42          | < 0.5           |  |  |
| 12-9-21 DOWNWIND                         | 0.36          | 0.67         | < 0.2         | < 0.7         | < 0.5           |  |  |
| 12-9-21 DOWNWIND                         | 0.17          | 0.39         | 0.13          | 0.43          | < 0.5           |  |  |
| Project Action Levels                    | 6.2           | 80           | 230           | 23            | 20              |  |  |
| r roject Action Levels                   | 0.2           | 00           | 230           | 23            | 20              |  |  |

| Sample Date                       | Compounds |               |              |               |           |  |
|-----------------------------------|-----------|---------------|--------------|---------------|-----------|--|
|                                   | Benzene   | Toluene       | Ethylbenzene | Total Xylenes | Naphthale |  |
|                                   | ı         |               | (ppb v/v)    |               |           |  |
| 12-16-21 DOWNWIND                 | 0.15      | 0.21          | < 0.2        | 0.38          | 0.89      |  |
| 12-16-21 UPWIND                   | 0.13      | 0.16          | < 0.2        | < 0.7         | < 0.5     |  |
| 12-22-21 DOWNWIND                 | 0.27      | 0.39          | < 0.2        | < 0.7         | < 0.5     |  |
| 12-22-21 UPWIND                   | 0.29      | 0.47          | 0.12         | < 0.5         | < 0.5     |  |
| 12-29-21 UPWIND                   | 0.19      | 0.28          | < 0.2        | < 0.7         | < 0.5     |  |
| 12-29-21 DOWNWIND                 | 0.26      | 0.53          | 0.19         | 1.0           | < 0.5     |  |
| 01-05-2022 UPWIND                 | 0.28      | 0.38          | 0.14         | 0.38          | 0.2       |  |
| 01-05-2022 DOWNWIND               | 0.40      | 1.10          | 0.16         | 0.5           | 0.71      |  |
| 1-13-22 UPWIND                    | 0.49      | 0.91          | 0.15         | 0.59          | < 0.5     |  |
| 1-13-22 DOWNWIND                  | 0.83      | 1.40          | 0.19         | 0.79          | < 0.5     |  |
| 1-20-22 DOWNWIND                  | 0.18      | 0.32          | 0.11         | 0.34          | 0.17      |  |
| 1-20-22 UPWIND                    | 0.14      | 1.40          | < 0.2        | < 0.7         | <0.5      |  |
| UPWIND 012722                     | 0.24      | 0.26          | < 0.2        | < 0.7         | < 0.5     |  |
| DOWNWIND 012722                   | 0.30      | 1.0           | < 0.2        | 0.4           | < 0.5     |  |
| 2/3/22 UPWIND                     | 0.27      | 0.50          | 0.1          | 0.28          | < 0.5     |  |
| 2/3/22 DOWNWIND                   | 0.30      | 0.49          | 0.12         | 0.46          | 0.22      |  |
| 2-10-22 UPWIND                    | 0.17      | 0.27          | < 0.2        | < 0.7         | < 0.5     |  |
| 2-10-22 DOWNWIND                  | 0.19      | 0.22          | < 0.2        | < 0.7         | < 0.5     |  |
| 2-17-22 UPWIND                    | < 0.2     | 0.11          | < 0.2        | < 0.7         | < 0.5     |  |
| 2-17-22 DOWNWIND                  | 0.18      | 0.66          | 0.26         | 1.5           | 1.1       |  |
| 2-24-22 UPWIND                    | < 0.2     | 0.11          | < 0.2        | < 0.7         | 0.17      |  |
| 2-24-22 DOWNWIND                  | < 0.2     | < 0.2         | < 0.2        | < 0.7         | < 0.5     |  |
| 3-03-22 UPWIND                    | 0.11      | < 0.2         | < 0.2        | < 0.7         | < 0.5     |  |
| 3-03-22 DOWNWIND                  | 0.14      | < 0.2         | < 0.2        | < 0.7         | < 0.5     |  |
| 3-10-22 UPWIND                    | 0.16      | 0.31          | 0.13         | 0.4           | 0.26      |  |
| 3-10-22 DOWNWIND                  | 0.14      | 0.18          | < 0.2        | < 0.7         | < 0.5     |  |
| 3-17-22 UPWIND                    | 0.22      | 0.61          | 0.14         | 0.49          | < 0.5     |  |
| 3-17-22 DOWNWIND                  | 0.19      |               | < 0.2        | 0.49          | < 0.5     |  |
|                                   | 0.19      | 0.25<br>< 0.3 | < 0.3        | < 1.1         | < 0.75    |  |
| 3-24-22 UPWIND                    | < 0.2     | < 0.2         | < 0.2        | < 0.7         | _         |  |
| 3-24-22 DOWNWIND                  | +         |               |              |               | < 0.5     |  |
| 3-31-22 UPWIND                    | 0.14      | 0.22          | < 0.2        | < 0.7         | < 0.5     |  |
| 3-31-22 DOWNWIND                  | 0.17      | 0.37          | 0.12         | 0.40          | < 0.5     |  |
| 4-7-22 UPWIND                     | 0.11      | 0.16          | < 0.2        | < 0.7         | < 0.5     |  |
| 4-7-22 DOWNWIND                   | 0.15      | 0.24          | < 0.2        | < 0.7         | < 0.5     |  |
| 4-15-22 UPWIND                    | 0.13      | 0.29          | < 0.2        | 0.095         | < 0.5     |  |
| 4-15-22 DOWNWIND                  | 0.095     | 0.19          | 0.1          | < 0.7         | < 0.5     |  |
| 4-20-22 UPWIND                    | 0.19      | 0.22          | 0.13         | 0.42          | < 0.5     |  |
| 4-20-22 DOWNWIND                  | 0.13      | 0.14          | < 0.2        | < 0.7         | 0.18      |  |
| 4-26-22 UPWIND                    | < 0.2     | < 0.2         | < 0.2        | < 0.7         | < 0.5     |  |
| 4-26-22 DOWNWIND                  | 0.22      | 0.13          | < 0.2        | < 0.7         | < 0.5     |  |
| 5-4-22 UPWIND                     | 0.11      | 0.22          | < 0.5        | < 0.7         | < 0.5     |  |
| 5-4-22 DOWNWIND                   | 0.11      | 0.24          | < 0.5        | < 0.7         | < 0.5     |  |
| 5-12-22 UPWIND                    | < 0.2     | 0.11          | < 0.2        | < 0.7         | < 0.5     |  |
| 5-12-22 DOWNWIND                  | < 0.21    | 0.10          | < 0.21       | < 0.75        | < 0.54    |  |
| 5-19-22 UPWIND                    | 0.13      | 0.63          | < 0.2        | < 0.7         | 0.18      |  |
| 5-19-22 DOWNWIND                  | 0.15      | 0.30          | < 0.2        | < 0.7         | < 0.5     |  |
| 5-26-22 UPWIND                    | 0.14      | 0.14          | < 0.2        | < 0.7         | < 0.5     |  |
| 5-26-22 DOWNWIND                  | < 0.2     | 0.12          | < 0.2        | < 0.7         | < 0.5     |  |
| 6/2/22 DOWNWIND                   | 0.074     | 0.17          | < 0.2        | < 0.7         | 0.26      |  |
| 6/2/22 UPWIND                     | < 0.2     | 0.14          | < 0.2        | < 0.7         | < 0.5     |  |
| 6-10-22 UPWIND                    | 0.17      | 0.31          | < 0.2        | < 0.7         | < 0.5     |  |
| 6-10-22 DOWNWIND                  | 0.25      | 0.61          | < 0.2        | < 0.7         | < 0.5     |  |
| 6-16-22 UPWIND                    | 0.43      | 1.20          | < 0.2        | < 0.7         | < 0.5     |  |
| 6-16-22 DOWNWIND                  | < 0.2     | 0.13          | < 0.2        | < 0.7         | < 0.5     |  |
| 6-23-22 UPSTREAM                  | < 0.2     | < 0.2         | < 0.2        | < 0.7         | 0.19      |  |
| 6-23-22 DOWNSTREAM                | 0.16      | 0.72          | < 0.2        | 0.31          | < 0.5     |  |
| 6-30-22 UPWIND                    | < 0.2     | 0.17          | < 0.2        | < 0.7         | 0.2       |  |
|                                   | 0.12      | 0.17          | < 0.2        | < 0.7         | < 0.5     |  |
| 6-30-22 DOWNWIND<br>7-7-22 UPWIND |           |               |              |               |           |  |
|                                   | 0.077     | 0.29          | < 0.2        | < 0.7         | < 0.5     |  |
| 7-7-22 DOWNWIND                   | 0.20      | 0.87          | < 0.2        | 0.21          | < 0.5     |  |
| Project Action Levels             | 6.2       | 80            | 230          | 23            | 20        |  |

| Sample Date           | Compounds |         |              |               |             |  |  |
|-----------------------|-----------|---------|--------------|---------------|-------------|--|--|
|                       | Benzene   | Toluene | Ethylbenzene | Total Xylenes | Naphthalene |  |  |
|                       | (ppb v/v) |         |              |               |             |  |  |
| 7-14-22 UPWIND        | < 0.2     | 0.35    | < 0.2        | < 0.7         | < 0.5       |  |  |
| 7-14-22 DOWNWIND      | 0.10      | 0.22    | < 0.2        | < 0.7         | < 0.5       |  |  |
| 7-21-22 UPWIND        | 0.14      | 0.21    | < 0.2        | < 0.7         | 0.33        |  |  |
| 7-21-22 DOWNWIND      | 1.0       | 2.5     | 0.48         | 1.9           | < 0.3       |  |  |
| 7-28-22 UPWIND        | 0.087     | 0.15    | < 0.2        | < 0.7         | < 0.5       |  |  |
| 7-28-22 DOWNWIND      | 0.13      | 0.23    | < 0.2        | < 0.7         | < 0.5       |  |  |
| 8-4-22 UPWIND         | 0.13      | 0.31    | < 0.2        | < 0.7         | < 0.5       |  |  |
| 8-4-22 DOWNWIND       | 0.17      | 0.26    | 0.13         | < 0.7         | 0.3         |  |  |
| 8-11-22 UPWIND        | 0.22      | 0.33    | 0.10         | 0.34          | < 0.5       |  |  |
| 8-11-22 DOWNWIND      | 0.37      | 0.30    | 0.11         | 0.17          | < 0.5       |  |  |
| 8-19-22 UPWIND        | < 0.20    | 0.22    | < 0.20       | 0.36          | < 0.5       |  |  |
| 8-19-22 DOWNWIND      | 0.11      | 0.45    | < 0.20       | 0.29          | < 0.5       |  |  |
| 8-25-22 Downwind      | 0.09      | 0.44    | < 0.2        | < 0.7         | < 0.5       |  |  |
| 8-25-22 Upwind        | 0.29      | 0.47    | < 0.2        | < 0.7         | < 0.5       |  |  |
| 9-2-22 Upwind         | < 0.2     | 0.15    | < 0.2        | < 0.7         | < 0.5       |  |  |
| 9-2-22 Downwind       | 0.35      | 0.34    | < 0.2        | < 0.7         | < 0.5       |  |  |
| 9-8-22 Upwind         | 0.092     | 0.21    | < 0.2        | < 0.7         | < 0.5       |  |  |
| 9-8-22 Downwind       | 1.20      | 0.44    | < 0.2        | < 0.7         | < 0.5       |  |  |
| 9-15-22 Upwind        | < 0.2     | 0.15    | < 0.2        | < 0.7         | < 0.5       |  |  |
| 9-15-22 Downwind      | 7.1       | 2.9     | 2.3          | 2.0           | 4.6         |  |  |
| 9-22-22 Upwind        | 0.32      | 0.34    | < 0.29       | 0.4           | < 0.73      |  |  |
| 9-22-22 Downwind      | 0.18      | 0.29    | < 0.2        | 0.21          | < 0.5       |  |  |
| 9/29/22 Downwind      | 0.13      | 0.22    | 0.11         | < 0.7         | 0.33        |  |  |
| 9/29/22 Upwind        | < 0.2     | 0.14    | < 0.2        | < 0.7         | < 0.5       |  |  |
| 10-6-22 Downwind      | 0.1       | < 0.2   | < 0.2        | < 0.7         | < 0.5       |  |  |
| 10-6-22 Upwind        | < 0.2     | < 0.2   | < 0.2        | < 0.7         | < 0.5       |  |  |
| 10-13-22 Upwind       | 0.068     | 0.12    | < 0.2        | < 0.7         | < 0.5       |  |  |
| 10-13-22 Downwind     | 0.6       | 0.17    | 0.052        | < 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).
- 5. An upstream ambient air sample was not collected on March 18, 2021 due to a problem with the sampling equipment.
- 6. A bold and gray shaded value exceeds the Project Action Levels. The 9/15/2022 Downwind sample was collected directly downwind of NBC's active work area. Volatile organic compound concentrations at the perimeter limit were below the project action levels.