TRANSMITTAL

GZA GeoEnvironmental, Inc.
188 Valley Street, Suite 300
Providence, Rhode Island 02909
401.421.4140 (fax) 401.751.8613

Date: 09/13/2021 | Job No. 03.0033554.04
Attention: Mr. Joseph Martella

Re: Liquefaction Facility Project
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road/ 642 Allens Avenue
Providence, Rhode Island
Site Remediation File No. SR-28-1152

To: Rhode Island Department of Environmental Management
Office of Land Revitalization and Sustainable Materials
Management
235 Promenade Street
Providence, Rhode Island 02908

We are sending you:

- [X] Shop Drawings
- Attachments
- Change Order
- Samples
- Copy of Letter
- Prints
- Plans
- Specifications
- Under Separate Cover, the following Items:

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- Courier
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Description
Air Quality Monitoring (AQM) Results – Week of 09/06/2021 (09/07/2021, 09/08/2021, 09/09/2021, and 09/10/2021)

<table>
<thead>
<tr>
<th>AQM Station 1 Graph</th>
<th>AQM Station 4 Graph</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQM Station 2 Graph</td>
<td>AQM Station 5 Graph</td>
</tr>
<tr>
<td>AQM Station 3 Graph</td>
<td>AQM Station 6 Graph</td>
</tr>
<tr>
<td>Summary Figure</td>
<td></td>
</tr>
</tbody>
</table>

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Comments:

Copy To: Amy Willoughby - National Grid LNG LLC
William Howard - National Grid LNG LLC

Signed: Sara Haupt, P.E.
Project Manager

If enclosures are not as noted, kindly notify us at once.
### Data Summary Statistics

<table>
<thead>
<tr>
<th>Response Actions Performed</th>
<th>TVOCs average concentration</th>
<th>TVOCs maximum concentration</th>
<th>TVOCs action level</th>
<th>PM10 average concentration</th>
<th>PM10 maximum concentration</th>
<th>PM10 action level</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>0.04 ppm</td>
<td>0.79 ppm</td>
<td>1 ppm</td>
<td>7.99 µg/m³</td>
<td>25.57 µg/m³</td>
<td>150 µg/m³</td>
</tr>
</tbody>
</table>

### Equipment Notes

- None

#### Notes:

1. Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
2. The location of each AQM Station is presented on the attached summary figure.
3. Air quality monitoring performed in accordance with the May 12, 2017 Short Term Response Action Plan (STRAP), the October 11, 2017 STRAP Addendum (including Attachment N - Clarifications to the Proposed Air Monitoring Program for STRAP Activities) and the October 27, 2017 Short Term Response Action Approval Letter issued by RIDEM. Monitoring conducted during active STRAP activities.
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
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### AQM Station 3
1-minute average concentrations

Total Volatile Organic Compounds (TVOC) data is on the left axis and Respirable Dust (Particulate Matter less than 10 µm (PM10)) data is on the right axis.

<table>
<thead>
<tr>
<th>Date</th>
<th>TVOCs average concentration</th>
<th>TVOCs maximum concentration</th>
<th>TVOCs action level</th>
<th>PM10 average concentration</th>
<th>PM10 maximum concentration</th>
<th>PM10 action level</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>0.04 ppm</td>
<td>0.47 ppm</td>
<td>1 ppm</td>
<td>9.19 µg/m³</td>
<td>18.62 µg/m³</td>
<td>150 µg/m³</td>
</tr>
</tbody>
</table>

### Notes:
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AQM Station 4

1-minute average concentrations

Total Volatile Organic Compounds (TVOC) data is on the left axis and Respirable Dust (Particulate Matter less than 10 µm (PM10)) data is on the right axis.

TVOC Action Level = 1.0 ppmv
PM10 Action Level = 150 µg/m³

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Constituent</th>
<th>Observed Range of Sustained Readings</th>
<th>Response Actions Performed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday, Sept 6</td>
<td>12:00 AM</td>
<td>None</td>
<td>No work conducted</td>
<td></td>
</tr>
<tr>
<td>Tuesday, Sept 7</td>
<td>6:00 AM</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wednesday, Sept 8</td>
<td>12:00 AM</td>
<td>None</td>
<td>No work conducted</td>
<td></td>
</tr>
<tr>
<td>Thursday, Sept 9</td>
<td>6:00 AM</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Friday, Sept 10</td>
<td>12:00 AM</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saturday, Sept 11</td>
<td>6:00 AM</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sunday, Sept 12</td>
<td>12:00 AM</td>
<td>None</td>
<td>No earthwork conducted</td>
<td></td>
</tr>
</tbody>
</table>

Data Summary Statistics

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs average concentration</td>
<td>0.28 ppm</td>
</tr>
<tr>
<td>TVOCs maximum concentration</td>
<td>0.41 ppm</td>
</tr>
<tr>
<td>TVOCs action level</td>
<td>ppm</td>
</tr>
<tr>
<td>PM10 average concentration</td>
<td>5.86 µg/m³</td>
</tr>
<tr>
<td>PM10 maximum concentration</td>
<td>23.20 µg/m³</td>
</tr>
<tr>
<td>PM10 action level</td>
<td>150 µg/m³</td>
</tr>
</tbody>
</table>

Notes:
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### AQM Station 5

**1-minute average concentrations**

Total Volatile Organic Compounds (TVOC) data is on the left axis and Respirable Dust (Particulate Matter less than 10 µm (PM10)) data is on the right axis.

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Constituent</th>
<th>Observed Range of Sustained Readings</th>
<th>Response Actions Performed</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/7/2021</td>
<td>11:14 to 11:23</td>
<td>TVOC</td>
<td>1.08 to 2.51 ppmv</td>
<td>Readings not attributed to ongoing site work. Prevailing winds were from the west of the project site. No odors noted. No actions taken because the readings were not related to site work.</td>
</tr>
<tr>
<td>9/8/2021</td>
<td>10:51 to 11:03</td>
<td>TVOC</td>
<td>1.23 to 2.84 ppmv</td>
<td>Readings not attributed to ongoing site work. Prevailing winds were from the southwest of the project site. No odors noted. No actions taken because the readings were not related to site work.</td>
</tr>
</tbody>
</table>

**Notes:**

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**AQM Station 6**

1-minute average concentrations

Total Volatile Organic Compounds (TVOC) data is on the left axis and Respirable Dust (Particulate Matter less than 10 µm (PM10)) data is on the right axis.

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Observed Range of Sustained Readings</th>
<th>Response Actions Performed</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PM10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Data Summary Statistics**

<table>
<thead>
<tr>
<th></th>
<th>TVOCs average concentration</th>
<th>TVOCs maximum concentration</th>
<th>PM10 average concentration</th>
<th>PM10 maximum concentration</th>
<th>PM10 action level</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.01 ppm</td>
<td>0.09 ppm</td>
<td>5.17 µg/m³</td>
<td>14.98 µg/m³</td>
<td>150 µg/m³</td>
</tr>
</tbody>
</table>

**Notes:**

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REFERENCE NOTES:

1. BASE MAP DEVELOPED FROM A GOOGLE PROFESSIONAL ELECTRONIC IMAGE FILE. DIGITAL AERIAL ORTHOPHOTOGRAPHY WAS PUBLISHED IN FEBRUARY 2018.

2. SITE BOUNDARIES ARE APPROXIMATE.

3. PERIMETER AIR MONITORING PROGRAM CONDUCTED AS DESCRIBED IN THE MAY 12, 2017 SHORT TERM RESPONSE ACTION PLAN (STRAP) AND OCTOBER 11, 2017 STRAP ADDENDUM WHICH WERE APPROVED BY RIDEM WITH THE OCTOBER 27, 2017 STRAP APPROVAL.