TRANSMITTAL

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

To: Rhode Island Department of Environmental Management
    Office of Waste Management
    235 Promenade Street
    Providence, Rhode Island 02908

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

Date: 3/16/2020  Job No. 03.003355.04
Attention: Mr. Joseph Martella

We are sending you:
- [ ] Shop Drawings  [x] Attached  [ ] Change Order  [ ] Samples
- [ ] Copy of Letter  [ ] Prints  [ ] Plans  [ ] Specifications
- [ ] Under Separate Cover, the following Items:

How Shipped:
- [x] Via Email  [ ] Courier  [ ] Regular Mail  [ ] Hand Delivered/Picked Up

Description


<table>
<thead>
<tr>
<th>Station</th>
<th>Graph</th>
</tr>
</thead>
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<tr>
<td>1</td>
<td>AQM 1</td>
</tr>
<tr>
<td>2</td>
<td>AQM 2</td>
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<tr>
<td>3</td>
<td>AQM 3</td>
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<td>4</td>
<td>AQM 4</td>
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<td>5</td>
<td>AQM 5</td>
</tr>
<tr>
<td>6</td>
<td>AQM 6</td>
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<tr>
<td>Summary</td>
<td>Figure</td>
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<tr>
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<th>Resubmit Copies for Approval</th>
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<td>[x] For Review and Comment</td>
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<td>PRINTS RETURNED AFTER LOAN TO US</td>
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</table>

Comments:

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

Signed: Sophia Narkiewicz, P.E.
        Project Manager

If enclosures are not as noted, kindly notify us at once.
AQM Station 1
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.

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

Data Summary Statistics

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Constituent</th>
<th>Observed Range of Sustained Readings</th>
<th>Response Actions Performed</th>
<th>Data Summary Statistics</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/10/2020</td>
<td>09:09-09:25</td>
<td>TVOC</td>
<td>1.02-1.19 ppmv</td>
<td>No actions taken. Readings not attributed to ongoing site work.</td>
<td>TVOCs average concentration 0.07 ppm</td>
</tr>
<tr>
<td>3/11/2020</td>
<td>16:09-16:15</td>
<td>TVOC</td>
<td>1.02-1.32 ppmv</td>
<td>No actions taken. Readings not attributed to ongoing site work.</td>
<td>TVOCs maximum concentration 1.32 ppm</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.
### AQM Station 2

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**

**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.

<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>None</td>
<td></td>
<td></td>
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<td></td>
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</tbody>
</table>

#### Data Summary Statistics

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs average concentration</td>
<td>0.07 ppm</td>
</tr>
<tr>
<td>TVOCs maximum concentration</td>
<td>1.20 ppm</td>
</tr>
<tr>
<td>TVOCs action level</td>
<td>ppm</td>
</tr>
<tr>
<td>PM10 average concentration</td>
<td>8.89 µg/m³</td>
</tr>
<tr>
<td>PM10 maximum concentration</td>
<td>29.45 µg/m³</td>
</tr>
<tr>
<td>PM10 action level</td>
<td>150 µg/m³</td>
</tr>
</tbody>
</table>
Prepared by GZA on behalf of National Grid LNG LLC
Liquefaction Facility Project -
STRAP Perimeter Air Quality Monitoring (AQM)
121 Terminal Road / 642 Allens Avenue, Providence, Rhode Island

Date  Time  Constituent  Observed Range of Sustained Readings  Response Actions Performed
None

Data Summary Statistics
TVOCs average concentration  0.05 ppm
TVOCs maximum concentration  1.19 ppm
TVOCs action level  1 ppm
PM10 average concentration  16.59 µg/m³
PM10 maximum concentration  52.18 µg/m³
PM10 action level  150 µg/m³

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.
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

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

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.
Data Summary Statistics

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Data Summary Statistics</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs average concentration</td>
<td>0.01 ppmv</td>
</tr>
<tr>
<td>TVOCs maximum concentration</td>
<td>0.95 ppmv</td>
</tr>
<tr>
<td>TVOCs action level</td>
<td>1 ppmv</td>
</tr>
<tr>
<td>PM10 average concentration</td>
<td>13.65 µg/m³</td>
</tr>
<tr>
<td>PM10 maximum concentration</td>
<td>46.44 µg/m³</td>
</tr>
<tr>
<td>PM10 action level</td>
<td>150 µg/m³</td>
</tr>
</tbody>
</table>

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.
### 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.

#### 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.

#### Data Summary Statistics

<table>
<thead>
<tr>
<th>Constituent</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>0.05 ppmv</td>
<td>0.31 ppmv</td>
<td>1 ppmv</td>
<td>150 µg/m³</td>
<td>34.00 µg/m³</td>
<td>150 µg/m³</td>
</tr>
</tbody>
</table>

#### Equipment Notes

None

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**TVOCs average concentration**

**TVOCs maximum concentration**

**TVOCs action level**

**PM10 average concentration**

**PM10 maximum concentration**

**PM10 action level**
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.