**TRANSMITTAL**

<table>
<thead>
<tr>
<th>Date: 08/23/2021</th>
<th>Job No. 03.003354.04</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attention: Mr. Joseph Martella</td>
<td></td>
</tr>
</tbody>
</table>

**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

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**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:**

- [ ] 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**

Air Quality Monitoring (AQM) Results –  
Week of 08/16/2021 (08/16/2021, 08/17/2021, 08/18/2021, 08/19/2021, and 08/20/2021)  
- AQM Station 1 Graph  
- AQM Station 2 Graph  
- AQM Station 3 Graph  
- AQM Station 4 Graph  
- AQM Station 5 Graph  
- AQM Station 6 Graph  
- Summary Figure

**THESE ARE TRANSMITTED as Checked Below:**

- [x] For Approval  
- [ ] Approved as Submitted  
- [ ] Resubmit Copies for Approval  
- [x] For Your Use  
- [ ] Approved as Noted  
- [ ] Submit Copies for Distribution  
- [ ] As Requested  
- [ ] Returned for Corrections  
- [ ] Return Corrected Prints  
- [ ] For Review and Comment  
- [ ] PRINTS RETURNED AFTER LOAN TO US

**FOR BIDS DUE:**

**Comments:**

---

**Copy To:**

- Amy Willoughby - National Grid LNG LLC  
- William Howard - National Grid LNG LLC

**Signed:**

- Sara Haupt, P.E.  
- Project Manager

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*If enclosures are not as noted, kindly notify us at once.*
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

Data Summary Statistics
TVOCs average concentration 0.01 ppm
TVOCs maximum concentration 0.14 ppm
TVOCs action level 1.0 ppmv
PM10 average concentration 6.69 µg/m³
PM10 maximum concentration 18.37 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 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.

PM10 Action Level = 150 µg/m$^3$

TVOC Action Level = 1.0 ppmv

No earthwork conducted

<table>
<thead>
<tr>
<th>Date</th>
<th>TVOCs Average Concentration</th>
<th>PM10 Average Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>0.02 ppmv</td>
<td>9.79 µg/m$^3$</td>
</tr>
</tbody>
</table>

### Data Summary Statistics

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs maximum concentration</td>
<td>0.30 ppmv</td>
<td></td>
</tr>
<tr>
<td>TVOCs action level</td>
<td>1.0 ppmv</td>
<td></td>
</tr>
<tr>
<td>PM10 average concentration</td>
<td>9.79 µg/m$^3$</td>
<td></td>
</tr>
<tr>
<td>PM10 maximum concentration</td>
<td>25.21 µg/m$^3$</td>
<td></td>
</tr>
<tr>
<td>PM10 action level</td>
<td>150 µg/m$^3$</td>
<td></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 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

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

Data Summary Statistics

<table>
<thead>
<tr>
<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>None</td>
<td></td>
<td></td>
<td>TVOCs average concentration</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TVOCs maximum concentration</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TVOCs action level</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>PM10 average concentration</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>PM10 maximum concentration</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>PM10 action level</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.

No earthwork conducted
### 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**

<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>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Equipment Notes**

- None

**Data Summary Statistics**

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Average Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs</td>
<td>0.07 ppmv</td>
</tr>
<tr>
<td>PM10</td>
<td>7.40 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.

No earthwork conducted.
### 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

### Data Summary Statistics

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Data Summary Statistics</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs average concentration</td>
<td>0.06 ppmv</td>
</tr>
<tr>
<td>TVOCs maximum concentration</td>
<td>0.69 ppmv</td>
</tr>
<tr>
<td>TVOCs action level</td>
<td>1 ppmv</td>
</tr>
<tr>
<td>PM10 average concentration</td>
<td>15.02 µg/m³</td>
</tr>
<tr>
<td>PM10 maximum concentration</td>
<td>53.25 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.
Prepared by GZA on behalf of National Grid LNG LLC
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TVOCs average concentration 0.14 ppm
TVOCs maximum concentration 2.28 ppm
PM10 average concentration 13.81 µg/m³
PM10 maximum concentration 36.98 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.
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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.
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.