**TRANSMITTAL**

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

**Date:** 04/12/2021  **Job No.** 03.0033554.04  
**Attention:** Mr. Joseph Martella

**To:** Rhode Island Department of Environmental Management  
Office of Land Revitalization and Sustainable Materials  
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

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 04/05/2021 (04/05/2021, 04/06/2021, 04/07/2021, 04/08/2021, and 04/09/2021)  
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

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- [ ] Approved as Submitted  
- [ ] Resubmit Copies for Approval

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- [ ] 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.  
Assistant Project Manager

*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

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

No Earthwork Conducted

<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

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>Statistical Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs average concentration</td>
<td>0.02 ppm</td>
</tr>
<tr>
<td>TVOCs maximum concentration</td>
<td>0.24 ppm</td>
</tr>
<tr>
<td>TVOCs action level</td>
<td>1 ppm</td>
</tr>
<tr>
<td>PM10 average concentration</td>
<td>3.68 µg/m³</td>
</tr>
<tr>
<td>PM10 maximum concentration</td>
<td>56.98 µg/m³</td>
</tr>
<tr>
<td>PM10 action level</td>
<td>150 µg/m³</td>
</tr>
</tbody>
</table>
AQM Station 2
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

No Earthwork Conducted

<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>

<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>
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Data Summary Statistics:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs average concentration</td>
<td>0.08 ppm</td>
</tr>
<tr>
<td>TVOCs maximum concentration</td>
<td>0.65 ppm</td>
</tr>
<tr>
<td>TVOCs action level</td>
<td>1 ppm</td>
</tr>
<tr>
<td>PM10 average concentration</td>
<td>2.73 µg/m³</td>
</tr>
<tr>
<td>PM10 maximum concentration</td>
<td>40.47 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 Liquefaction 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 None TVOC Concentration (ppmv)

Notes:
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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.
### AQM Station 4 Data Summary Statistics

<table>
<thead>
<tr>
<th>Date</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>None</td>
<td>0.14 ppm</td>
<td>0.46 ppm</td>
<td>5.00 µg/m³</td>
<td>28.68 µg/m³</td>
<td>150 µg/m³</td>
</tr>
</tbody>
</table>

**Equipment Notes:**

- 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.

**Response Actions Performed:**

- No Earthwork Conducted

**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.

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

No Earthwork Conducted

Data Summary Statistics

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Observed Range of Sustained Readings</th>
<th>Response Actions Performed</th>
<th>Date</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs average</td>
<td>0.00 ppm</td>
<td></td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>TVOCs maximum</td>
<td>0.07 ppm</td>
<td></td>
<td>Monday, Apr 5, 2021</td>
<td>12:00 AM</td>
</tr>
<tr>
<td>TVOCs action level</td>
<td>1 ppm</td>
<td></td>
<td>Tuesday, Apr 6, 2021</td>
<td>6:00 AM</td>
</tr>
<tr>
<td>PM10 average</td>
<td>10.07 µg/m³</td>
<td></td>
<td>Wednesday, Apr 7, 2021</td>
<td>12:00 AM</td>
</tr>
<tr>
<td>PM10 maximum</td>
<td>56.39 µg/m³</td>
<td></td>
<td>Thursday, Apr 8, 2021</td>
<td>6:00 PM</td>
</tr>
<tr>
<td>PM10 action level</td>
<td>150 µg/m³</td>
<td></td>
<td>Friday, Apr 9, 2021</td>
<td>12:00 AM</td>
</tr>
</tbody>
</table>

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LEGEND:
- 642 Allens Avenue Former MGP Site
- Project Work Site
- STRAP Area (Limits of Groundwater and Soil Disturbance)
- Air Quality Monitoring (AQM) Station

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.

Summary Figure
Week of 04-05-2021

NATIONAL GRID LIQUEFACTION FACILITY
PERIMETER AIR MONITORING PROGRAM
PROVIDENCE, RHODE ISLAND