TRANSMITTAL

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

Date: 1/21/19  Job No. 03.0033554.04
Attention: Mr. Joseph Martella

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

We are sending you:

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

How Shipped:

- Via Email
- Courier
- Regular Mail
- Hand Delivered/Picked Up

<table>
<thead>
<tr>
<th>Copies</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
</table>
| 1      | 1/14/19 | Air Quality Monitoring (AQM) Results – Week of 1/14/19 (1/14/19, 1/15/19, 1/16/19, 1/17/19 and 1/18/19)  
AQM Station 1 Graph  
AQM Station 2 Graph  
AQM Station 3 Graph  
Roving Air Monitoring Unit Graph  
Summary Figure |

THESE ARE TRANSMITTED as Checked Below:

- For Approval  
  Approved as Submitted  
  Resubmit Copies for Approval
- 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: Sophia Narkiewicz, P.E.
Project Manager

If enclosures are not as noted, kindly notify us at once.
**TVOCs average concentration**: 0.09 ppm

**TVOCs maximum concentration**: 0.33 ppm

**PM10 average concentration**: 17.54 µg/m³

**PM10 maximum concentration**: 156.62 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.
### Data Summary Statistics

<table>
<thead>
<tr>
<th>Constituent</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>0.04 ppmv</td>
<td>0.92 ppmv</td>
<td>8.94 µg/m³</td>
<td>47.52 µg/m³</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 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

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

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.
Roving Air Monitoring Unit

3-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>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

Equipment Notes

None

Data Summary Statistics

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Observed Range of Sustained Readings</th>
<th>Response Actions Performed</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs average concentration</td>
<td>None</td>
<td>0.00 ppm</td>
</tr>
<tr>
<td>TVOCs maximum concentration</td>
<td>None</td>
<td>0.70 ppm</td>
</tr>
<tr>
<td>PM10 average concentration</td>
<td>AQM Location P1 TVOC</td>
<td>32.33 µg/m³</td>
</tr>
<tr>
<td>PM10 maximum concentration</td>
<td>AQM Location P2 TVOC</td>
<td>145.00 µg/m³</td>
</tr>
<tr>
<td>PM10 action level</td>
<td>AQM Location P3 TVOC</td>
<td>150 µg/m³</td>
</tr>
</tbody>
</table>

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.
2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.
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.