TRANSMITTAL

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

Date: 11/25/19  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:

X Via Email  Courier  Regular Mail  Hand Delivered/Picked Up

Description
Air Quality Monitoring (AQM) Results –
Week of 11/18/19 (11/18/19, 11/19/19, 11/20/19, 11/21/19, 11/22/19, and 11/23/19)
   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
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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.
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.

<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>
<th>Maximum Concentration</th>
<th>Action Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs</td>
<td>0.01 ppmv</td>
<td>0.25 ppmv</td>
<td></td>
</tr>
<tr>
<td>PM10</td>
<td>8.87 µg/m³</td>
<td>58.38 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.
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

Data Summary Statistics

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<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TVOCs average concentration 0.12 ppmv</td>
</tr>
<tr>
<td>None</td>
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<td></td>
<td>TVOCs maximum concentration 0.84 ppmv</td>
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<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TVOCs action level 1 ppmv</td>
</tr>
<tr>
<td>None</td>
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<td></td>
<td></td>
<td></td>
<td>PM10 average concentration 4.63 µg/m³</td>
</tr>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PM10 maximum concentration 47.03 µg/m³</td>
</tr>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PM10 action level 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 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.
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.

LEGEND:
- 642 ALLENS AVENUE FORMER MGP SITE
- PROJECT WORK SITE
- STRAP AREA (LIMITS OF GROUNDWATER AND SOIL DISTURBANCE)
- AIR QUALITY MONITORING (AQM) STATION
- HANDHELD MONITORING LOCATIONS

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

Summary Figure
Week of 11-18-19

W/O 11-18-19

33554.04

Location P3

Location P2

Location P1