TRANSMITTAL

GZA GeoEnvironmental, Inc.
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Date: 2/11/19  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
- [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 2/4/19 (2/4/19, 2/5/19, 2/6/19, 2/7/19, and 2/8/19)
   - 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:

- [X] 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
- Signed: Sophia Narkiewicz, P.E.
  William Howard - National Grid LNG LLC

If enclosures are not as noted, kindly notify us at once.
**Date** | **Time** | **Constituent** | **Observed Range of Sustained Readings** | **Response Actions Performed** | **Data Summary Statistics**  
---|---|---|---|---|---
None | | | | |  

**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.
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 0.03 ppm
TVOCs maximum concentration 0.63 ppm
TVOCs action level 1 ppm
PM10 average concentration 12.63 µg/m³
PM10 maximum concentration 55.97 µg/m³
PM10 action level 150 µg/m³

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.
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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

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

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

Data Summary Statistics

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs average concentration</td>
<td>0.09 ppmv</td>
</tr>
<tr>
<td>TVOCs maximum concentration</td>
<td>0.90 ppmv</td>
</tr>
<tr>
<td>PM10 average concentration</td>
<td>21.48 µg/m³</td>
</tr>
<tr>
<td>PM10 maximum concentration</td>
<td>98.00 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 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.