TRANSMITTAL

GZA GeoEnvironmental, Inc.
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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  ☑ Attached  ☐ Change Order  ☐ Samples
☐ Copy of Letter  ☐ Prints  ☐ Plans  ☐ Specifications

☐ Under Separate Cover, the following Items:  via:

How Shipped:

☑ Via Email  ☐ Courier  ☐ Regular Mail  ☐ Hand Delivered/Picked Up

Description
Air Quality Monitoring (AQM) Results –
Week of 08/23/2021 (08/24/2021, 08/25/2021, 08/26/2021, and 08/27/2021)
   AQM Station 1 Graph  AQM Station 4 Graph
   AQM Station 2 Graph  AQM Station 5 Graph
   AQM Station 3 Graph  AQM Station 6 Graph
   Summary Figure

THESE ARE TRANSMITTED as Checked Below:

☐ For Approval  ☑ Approved as Submitted  ☐ Resubmit Copies for Approval
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☐ 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

Date: 08/30/2021  Job No. 03.0033554.04
Attention: Mr. Joseph Martella

If enclosures are not as noted, kindly notify us at once.
## AQM Station 1

1-minute average concentrations

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

### Data Summary Statistics

<table>
<thead>
<tr>
<th>Constituent</th>
<th>TVOCs average concentration</th>
<th>TVOCs maximum concentration</th>
<th>TVOCs action level</th>
<th>PM10 average concentration</th>
<th>PM10 maximum concentration</th>
<th>PM10 action level</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>0.02 ppm</td>
<td>0.33 ppm</td>
<td>1 ppm</td>
<td>31.12 µg/m³</td>
<td>87.22 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 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.

### TVOC Action Level = 1.0 ppmv

### PM10 Action Level = 150 µg/m³

### Data Summary Statistics

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Response Actions Performed</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs average concentration</td>
<td>None</td>
</tr>
<tr>
<td>TVOCs maximum concentration</td>
<td>0.67 ppmv</td>
</tr>
<tr>
<td>TVOC action level</td>
<td>0.01 ppmv</td>
</tr>
<tr>
<td>PM10 average concentration</td>
<td>33.31 µg/m³</td>
</tr>
<tr>
<td>PM10 maximum concentration</td>
<td>91.49 µg/m³</td>
</tr>
<tr>
<td>PM10 action level</td>
<td>150 µg/m³</td>
</tr>
</tbody>
</table>

### Equipment Notes

None

### Notes:

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Data Summary Statistics

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Observed Range of Sustained Readings</th>
<th>Response Actions Performed</th>
<th>PM10 Dust Action Level = 150 µg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs average concentration</td>
<td>0.00 ppm</td>
<td>Equipment was recalibrated.</td>
<td>-</td>
</tr>
<tr>
<td>TVOCs maximum concentration</td>
<td>1.56 ppm</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PM10 average concentration</td>
<td>25.50 µg/m³</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PM10 maximum concentration</td>
<td>75.16 µg/m³</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PM10 action level</td>
<td>150 µg/m³</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Notes:
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**Data Summary Statistics**

<table>
<thead>
<tr>
<th>Constituent</th>
<th>TVOCs average concentration</th>
<th>TVOCs maximum concentration</th>
<th>TVOCs action level</th>
<th>PM10 average concentration</th>
<th>PM10 maximum concentration</th>
<th>PM10 action level</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.07 ppm</td>
<td>0.24 ppm</td>
<td>1.0 ppmv</td>
<td>32.82 µg/m³</td>
<td>98.07 µg/m³</td>
<td>150 µg/m³</td>
</tr>
</tbody>
</table>

**Notes:**

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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

GZA Job No. 03.0033554.04
8/30/2021

Date
Time
TVOCs average concentration
0.02 ppm
TVOCs maximum concentration
0.48 ppm
TVOCs action level
1 ppm
PM10 average concentration
38.63 µg/m³
PM10 maximum concentration
95.20 µg/m³
PM10 action level
150 µg/m³

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 6
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.

Notes:
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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 IN THE OCTOBER 27, 2017 STRAP APPROVAL.

Summary Figure
Week of 08-23-2021

GZA Environmental, Inc.
Engineers and Scientists
www.gza.com

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

Scale in Feet 1" = 200'

0 10' 20' 30' 40'