TRANSMITTAL

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

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

Date: 09/06/2021  Job No. 03.0033554.04

Attention: Mr. Joseph Martella

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 08/30/2021 (08/30/2021, 08/31/2021, 09/01/2021, 09/02/2021 and 09/03/2021)

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

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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

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

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

Data Summary Statistics

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs average concentration</td>
<td>0.03 ppmv</td>
</tr>
<tr>
<td>TVOCs maximum concentration</td>
<td>0.50 ppmv</td>
</tr>
<tr>
<td>TVOCs action level</td>
<td>1 ppmv</td>
</tr>
<tr>
<td>PM10 average concentration</td>
<td>8.45 µg/m³</td>
</tr>
<tr>
<td>PM10 maximum concentration</td>
<td>49.84 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 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.

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

No earthwork conducted

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**Data Summary Statistics**

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Action Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs average concentration</td>
<td>0.06 ppmv</td>
<td>0.66 ppmv</td>
<td>1.0 ppmv</td>
</tr>
<tr>
<td>TVOCs maximum concentration</td>
<td>2.00 ppmv</td>
<td>15.00 ppmv</td>
<td>15.00 ppmv</td>
</tr>
<tr>
<td>PM10 average concentration</td>
<td>9.30 µg/m³</td>
<td>22.71 µg/m³</td>
<td>150 µg/m³</td>
</tr>
<tr>
<td>PM10 maximum concentration</td>
<td>15.00 µg/m³</td>
<td>150 µg/m³</td>
<td>150 µg/m³</td>
</tr>
<tr>
<td>PM10 action level</td>
<td>150 µg/m³</td>
<td>150 µg/m³</td>
<td>150 µg/m³</td>
</tr>
</tbody>
</table>

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**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**
- No earthwork conducted
AQM Station 4
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

<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:
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<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>

Data Summary Statistics

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs average concentration</td>
<td>0.18 ppm</td>
<td></td>
</tr>
<tr>
<td>TVOCs maximum concentration</td>
<td>0.39 ppm</td>
<td></td>
</tr>
<tr>
<td>TVOCs action level</td>
<td>1 ppm</td>
<td></td>
</tr>
<tr>
<td>PM10 average concentration</td>
<td>6.92 µg/m³</td>
<td></td>
</tr>
<tr>
<td>PM10 maximum concentration</td>
<td>20.42 µg/m³</td>
<td></td>
</tr>
<tr>
<td>PM10 action level</td>
<td>150 µg/m³</td>
<td></td>
</tr>
</tbody>
</table>
### 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.

<table>
<thead>
<tr>
<th>TVOC Action Level</th>
<th>PM10 Action Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0 ppmv</td>
<td>150 µg/m³</td>
</tr>
</tbody>
</table>

**AQM Station 5 TVOC**

**AQM Station 5 PM10 Dust**

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### Data Summary Statistics

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs average concentration</td>
<td>0.03 ppm</td>
</tr>
<tr>
<td>TVOCs maximum concentration</td>
<td>0.66 ppm</td>
</tr>
<tr>
<td>TVOCs action level</td>
<td>ppm</td>
</tr>
<tr>
<td>PM10 average concentration</td>
<td>14.32 µg/m³</td>
</tr>
<tr>
<td>PM10 maximum concentration</td>
<td>40.82 µg/m³</td>
</tr>
<tr>
<td>PM10 action level</td>
<td>150 µg/m³</td>
</tr>
</tbody>
</table>

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**Equipment Notes**

- None

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**Notes:**

- No earthwork conducted.
### 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>0.04 ppm</td>
<td>0.91 ppm</td>
<td>1.0 ppm</td>
<td>6.12 µg/m³</td>
<td>149.81 µg/m³</td>
<td>150 µg/m³</td>
</tr>
</tbody>
</table>

### Equipment Notes

None

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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 08-30-2021

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