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 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

Date: 2/17/2020  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 –

- AQM Station 1 Graph
- AQM Station 2 Graph
- AQM Station 3 Graph
- AQM Station 4 Graph
- AQM Station 5 Graph
- AQM Station 6 Graph
- Summary Figure

THESE ARE TRANSMITTED as Checked Below:

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

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Constituent</th>
<th>Observed Range of Sustained Readings</th>
<th>Response Actions Performed</th>
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<tr>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
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</tr>
<tr>
<td></td>
<td>TVOCs</td>
<td>TVOCs</td>
<td>TVOCs average concentration = 0.01 ppmv</td>
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<tr>
<td></td>
<td></td>
<td>maximum</td>
<td>TVOCs maximum concentration = 0.74 ppmv</td>
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<tr>
<td></td>
<td></td>
<td>action level</td>
<td>TVOCs action level = 1 ppm</td>
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</tr>
<tr>
<td></td>
<td>PM10</td>
<td>PM10</td>
<td>PM10 average concentration = 8.52 µg/m³</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>maximum</td>
<td>PM10 maximum concentration = 31.58 µg/m³</td>
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<tr>
<td></td>
<td></td>
<td>action level</td>
<td>PM10 action level = 150 µg/m³</td>
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</tr>
</tbody>
</table>

Notes:
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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

2/13/2020, 07:10-07:13, 150.21-164.92 µg/m³. Readings were attributed to heavy equipment working adjacent to Station 4 for an unrelated project. Readings were not sustained. No actions were taken because readings were not attributed to FPLP work.

Data Summary Statistics:
- TVOCs average concentration: 0.01 ppm
- TVOCs maximum concentration: 0.49 ppm
- TVOCs action level: 1 ppm
- PM10 average concentration: 14.54 µg/m³
- PM10 maximum concentration: 159.39 µg/m³
- PM10 action level: 150 µg/m³

Notes:
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### 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.

**PM10 Action Level = 150 µg/m³**

**TVOC Action Level = 1.0 ppmv**

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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>
<th>Data Summary Statistics</th>
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<tbody>
<tr>
<td>None</td>
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<td>None</td>
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<td>None</td>
<td>TVOCs average concentration = 0.00 ppm</td>
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<td>TVOCs maximum concentration = 0.04 ppm</td>
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<td>TVOCs action level = 1 ppm</td>
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<td>None</td>
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<td>PM10 average concentration = 11.68 µg/m³</td>
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<td>PM10 maximum concentration = 36.20 µg/m³</td>
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<td>None</td>
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<td></td>
<td>PM10 action level = 150 µg/m³</td>
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</table>

**Equipment Notes**

None

**Notes:**

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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.

TVOC Action Level = 1.0 ppmv
PM10 Action Level = 150 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.
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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.