TRANSMITTAL

GZA GeoEnvironmental, Inc.
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Providence, Rhode Island 02909
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Description

Air Quality Monitoring (AQM) Results –
Week of 03/21/2022 (03/21/2022, 03/22/2022, 03/23/2022, 03/24/2022, 03/25/2022 and 03/26/2022)

- 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

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FOR BIDS DUE:

Comments:

Copy To:  

Amy Willoughby - National Grid LNG LLC
William Howard - National Grid LNG LLC
Drew Shelby – National Grid LNG LLC
Nikki Shattuck – 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

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

- TVOC Action Level = 1.0 ppmv
- AQM Station 1 TVOC
- AQM Station 1 PM10 Dust
- PM10 Action Level = 150 µg/m³

No work conducted

Data Summary Statistics

<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>

Equiipment Notes
Station 1 was down from 8:11 to 16:01 due to human error. TVOCs and respirable dust readings from all other stations and the work zone were less than action levels.

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.

TVOCs average concentration: 0.03 ppm
TVOCs maximum concentration: 0.38 ppm
TVOCs action level: 1.0 ppmv
PM10 average concentration: 9.49 µg/m³
PM10 maximum concentration: 113.00 µg/m³
PM10 action level: 150 µg/m³
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
--- | --- | --- | --- | --- | ---
None | None | None | None | None | TVOCs average concentration 0.03 ppm
None | None | None | None | None | TVOCs maximum concentration 0.77 ppm
None | None | None | None | None | TVOCs action level 1 ppm
None | None | None | None | None | PM10 average concentration 0.80 µg/m³
None | None | None | None | None | PM10 maximum concentration 23.62 µg/m³
None | None | None | None | None | PM10 action level 150 µg/m³

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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 work conducted

Notes:
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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>0.02 ppm</td>
</tr>
<tr>
<td>TVOCs maximum concentration</td>
<td>0.54 ppm</td>
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<tr>
<td>TVOCs action level</td>
<td></td>
</tr>
<tr>
<td>PM10 average concentration</td>
<td>2.82 µg/m³</td>
</tr>
<tr>
<td>PM10 maximum concentration</td>
<td>31.27 µg/m³</td>
</tr>
<tr>
<td>PM10 action level</td>
<td>150 µg/m³</td>
</tr>
</tbody>
</table>

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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.

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

Data Summary Statistics

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Observation</th>
<th>Average</th>
<th>Maximum</th>
<th>Action Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs average concentration</td>
<td>0.02 ppm</td>
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<td></td>
<td></td>
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<tr>
<td>TVOCs maximum concentration</td>
<td>0.58 ppm</td>
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<td></td>
</tr>
<tr>
<td>TVOCs action level</td>
<td>1 ppm</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>PM10 average concentration</td>
<td>2.77 µg/m³</td>
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<tr>
<td>PM10 maximum concentration</td>
<td>81.31 µg/m³</td>
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<td></td>
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</tr>
<tr>
<td>PM10 action level</td>
<td>150 µg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Constituent</th>
<th>Observed Range of Sustained Readings</th>
<th>Response Actions Performed</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVOCs average concentration</td>
<td>0.03 ppmv</td>
<td>none</td>
</tr>
<tr>
<td>TVOCs maximum concentration</td>
<td>0.29 ppmv</td>
<td>none</td>
</tr>
<tr>
<td>TVOCs action level</td>
<td>1 ppmv</td>
<td>none</td>
</tr>
<tr>
<td>PM10 average concentration</td>
<td>1.53 µg/m³</td>
<td>none</td>
</tr>
<tr>
<td>PM10 maximum concentration</td>
<td>15.71 µg/m³</td>
<td>none</td>
</tr>
<tr>
<td>PM10 action level</td>
<td>150 µg/m³</td>
<td>none</td>
</tr>
</tbody>
</table>

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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.