



# TRANSMITTAL

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

<b>Date:</b> 4/11/2022	<b>Job No.</b> 03.0033554.04
<b>Attention:</b> Mr. Joseph Martella	
<b>Re:</b> 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	

<b>To:</b>	Rhode Island Department of Environmental Management
	Office of Land Revitalization and Sustainable Materials
	Management
	235 Promenade Street
	Providence, Rhode Island 02908

**We are sending you:**

<input type="checkbox"/> Shop Drawings	<input checked="" type="checkbox"/> Attached	<input type="checkbox"/> Change Order	<input type="checkbox"/> Samples
<input type="checkbox"/> Copy of Letter	<input type="checkbox"/> Prints	<input type="checkbox"/> Plans	<input type="checkbox"/> Specifications
<input type="checkbox"/> Under Separate Cover, the following Items:		via:	

**How Shipped:**

<input checked="" type="checkbox"/> Via Email	<input type="checkbox"/> Courier	<input type="checkbox"/> Regular Mail	<input type="checkbox"/> Hand Delivered/Picked Up
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<b>Description</b>
Air Quality Monitoring (AQM) Results – Week of 04/04/2022 (04/04/2022, 04/05/2022, 04/06/2022, 04/07/2022, 04/08/2022 and 04/09/2022) 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:**

<input type="checkbox"/>	For Approval	<input type="checkbox"/>	Approved as Submitted	<input type="checkbox"/>	Resubmit Copies for Approval
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<input type="checkbox"/>	As Requested	<input type="checkbox"/>	Returned for Corrections	<input type="checkbox"/>	Return Corrected Prints
<input type="checkbox"/>	For Review and Comment	<input type="checkbox"/>		<input type="checkbox"/>	PRINTS RETURNED AFTER LOAN TO US
<input type="checkbox"/>	FOR BIDS DUE:	<input type="checkbox"/>		<input type="checkbox"/>	

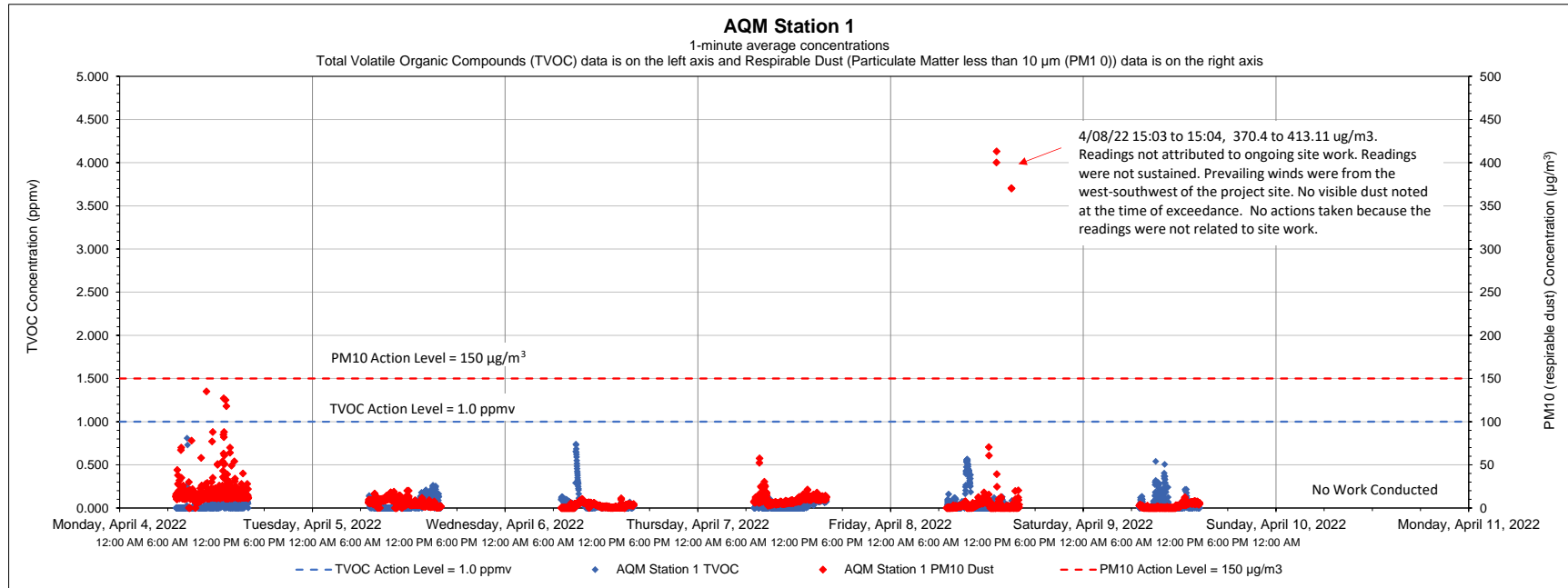
**Comments:**


<b>Copy To:</b>	Amy Willoughby - National Grid LNG LLC	<b>Signed:</b>	Sara Haupt, P.E.
	William Howard - National Grid LNG LLC		Project Manager
	Drew Shelby – National Grid LNG LLC		
	Nikki Shattuck – National Grid LNG LLC		

*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

GZA Job No. 03.0033554.04  
 04/11/2022

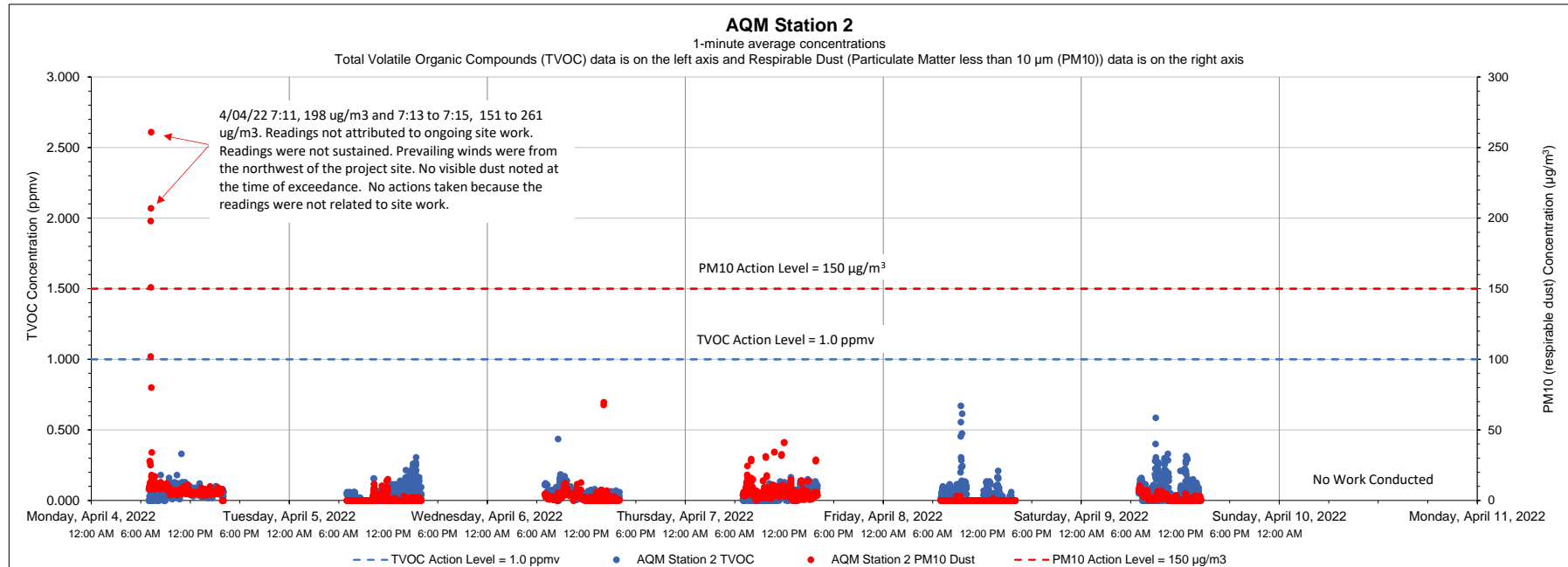


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
Equipment Notes				
None				

Data Summary Statistics	
TVOCs average concentration	0.04 ppm
TVOCs maximum concentration	0.81 ppm
TVOCs action level	1 ppm
PM10 average concentration	7.41 µg/m <sup>3</sup>
PM10 maximum concentration	413.11 µg/m <sup>3</sup>
PM10 action level	150 µg/m <sup>3</sup>

**Notes:**

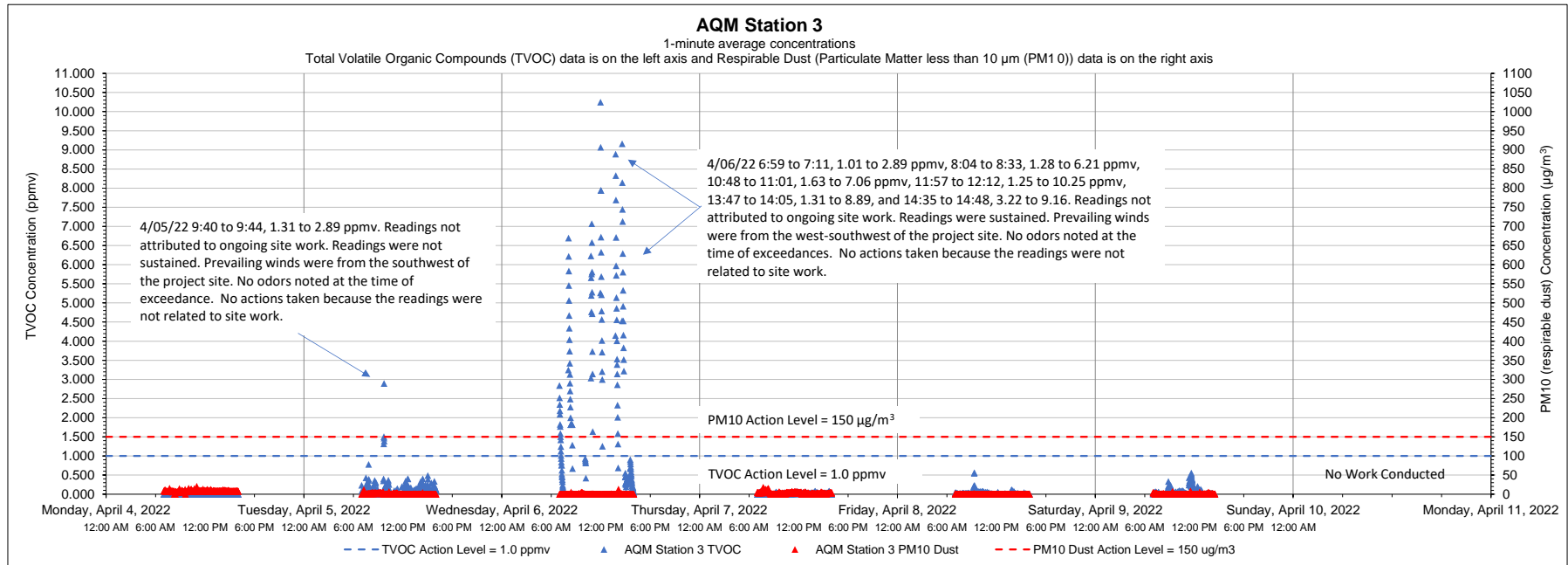
- 1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.
- 2) The location of each AQM Station is presented on the attached summary figure.
- 3) Air quality monitoring performed in accordance with the May 12, 2017 Short 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.



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
<b>Equipment Notes</b>				
None				

Data Summary Statistics	
TVOCs average concentration	0.05 ppm
TVOCs maximum concentration	0.67 ppm
TVOCs action level	1 ppm
PM10 average concentration	3.23 µg/m <sup>3</sup>
PM10 maximum concentration	261.00 µg/m <sup>3</sup>
PM10 action level	150 µg/m <sup>3</sup>

- 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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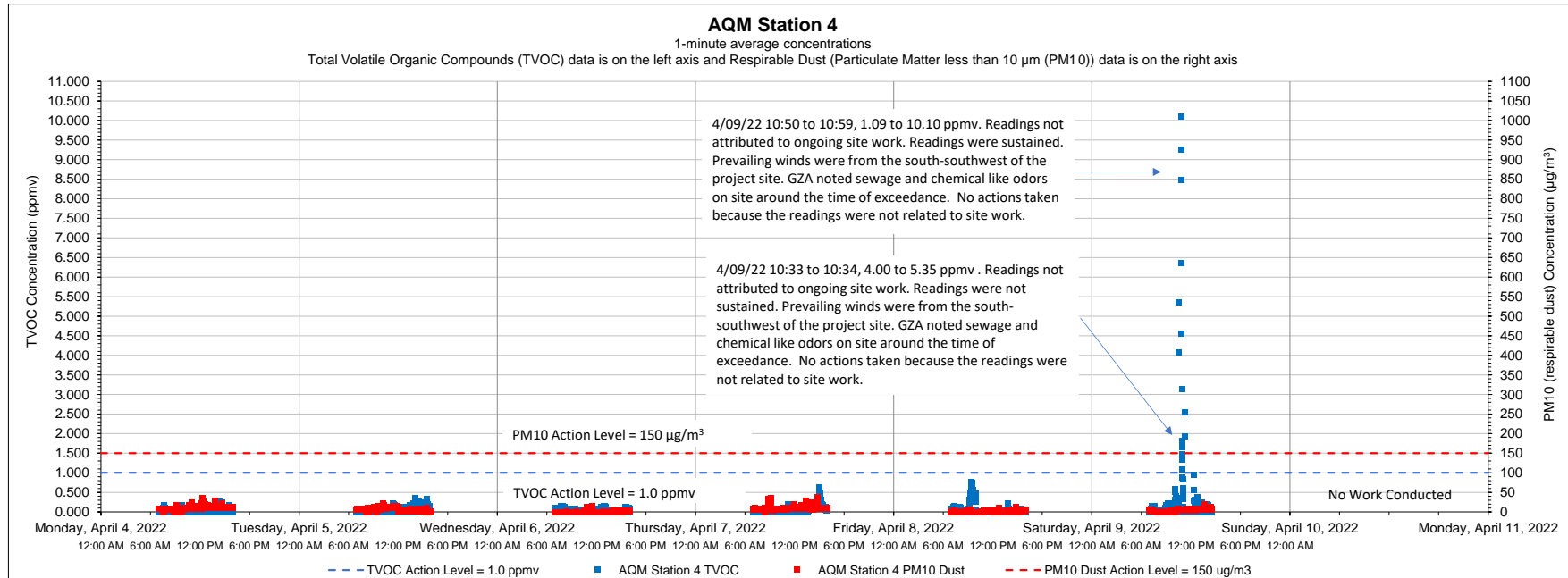


Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
4/6/2022	6:59 t 7:11	TVOC	1.01 to 2.89 ppmv	No actions taken because readings not related to site work.
4/6/2022	8:04 to 8:33	TVOC	1.28 to 6.21 ppmv	No actions taken because readings not related to site work.
4/6/2022	10:48 to 11:01	TVOC	1.63 to 7.06 ppmv	No actions taken because readings not related to site work.
4/6/2022	11:57 to 12:12	TVOC	1.25 to 10.25 ppmv	No actions taken because readings not related to site work.
4/6/2022	13:47 to 14:05	TVOC	1.31 to 8.89 ppmv	No actions taken because readings not related to site work.
4/6/2022	14:35 to 14:48	TVOC	3.22 to 9.16 ppmv	No actions taken because readings not related to site work.

Data Summary Statistics	
TVOCs average concentration	0.18 ppm
TVOCs maximum concentration	10.25 ppm
TVOCs action level	1 ppm
PM10 average concentration	2.26 µg/m <sup>3</sup>
PM10 maximum concentration	21.00 µg/m <sup>3</sup>
PM10 action level	150 µg/m <sup>3</sup>

**Equipment Notes**  
Station 3 was experiencing equipment error from 6:59 to 14:48 on 4/6/22. TVOCs and respirable dust readings from all other stations and the work zone were less than action levels during this period.  
Based on the readings from other stations and observations onsite, these reading were equipment error.

- Notes:**
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Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
4/9/2022	10:50 to 10:59	TVOC	1.09-10.10 ppmv	No actions taken because readings were not related to site work
<b>Equipment Notes</b>				
None				

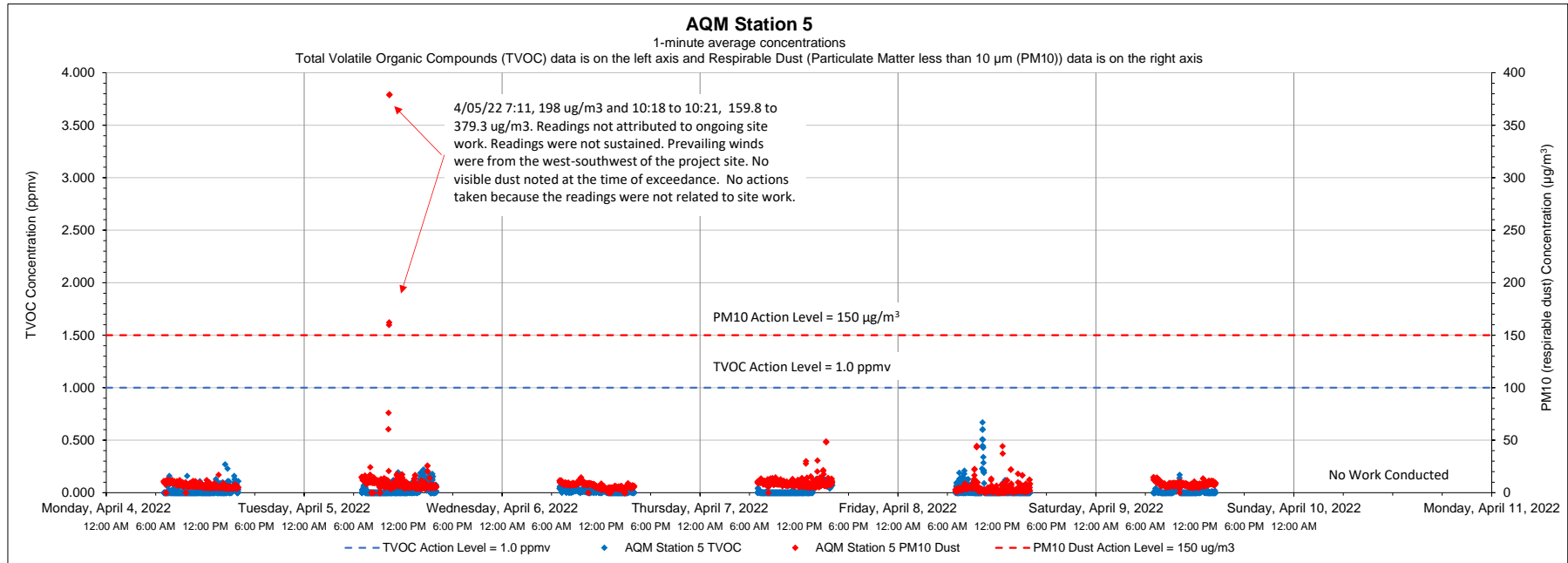
Data Summary Statistics	
TVOCs average concentration	0.06 ppm
TVOCs maximum concentration	10.10 ppm
TVOCs action level	1 ppm
PM10 average concentration	4.92 µg/m <sup>3</sup>
PM10 maximum concentration	37.17 µg/m <sup>3</sup>
PM10 action level	150 µg/m <sup>3</sup>

**Notes:**

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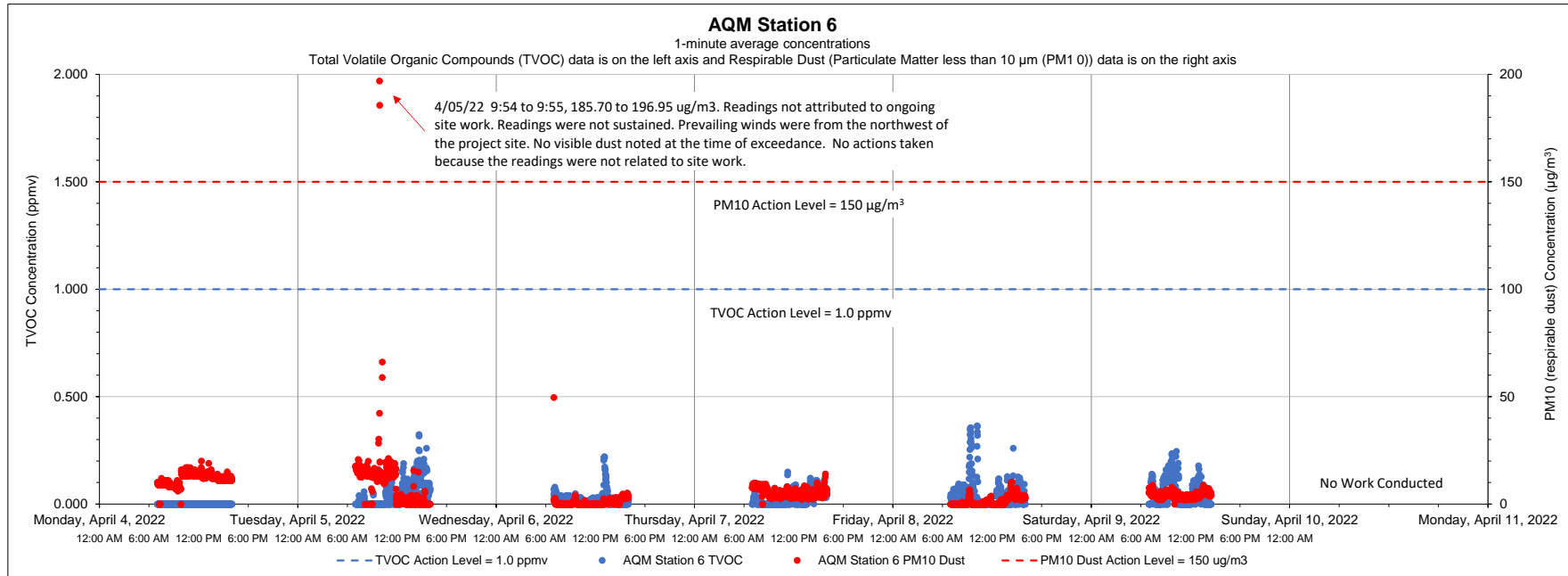
GZA Job No. 03.0033554.04  
 04/11/2022



Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
<b>Equipment Notes</b>				
None				

Data Summary Statistics	
TVOCs average concentration	0.02 ppm
TVOCs maximum concentration	0.67 ppm
TVOCs action level	1 ppm
PM10 average concentration	7.43 µg/m <sup>3</sup>
PM10 maximum concentration	379.36 µg/m <sup>3</sup>
PM10 action level	150 µg/m <sup>3</sup>

- Notes:**
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Date	Time	Constituent	Observed Range of Sustained Readings	Response Actions Performed
None				
<b>Equipment Notes</b>				
None				

Data Summary Statistics	
TVOCs average concentration	0.03 ppm
TVOCs maximum concentration	0.36 ppm
TVOCs action level	1 ppm
PM10 average concentration	5.39 µg/m³
PM10 maximum concentration	196.95 µg/m³
PM10 action level	150 µg/m³

**Notes:**

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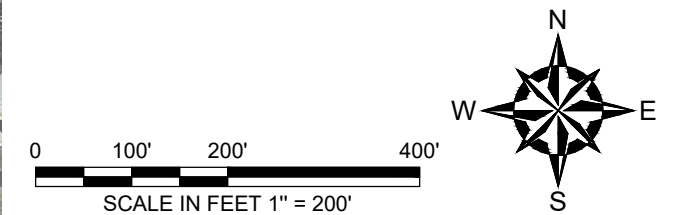


**LEGEND:**

- 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 WITH THE OCTOBER 27, 2017 STRAP APPROVAL.



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NATIONAL GRID FIELDS POINT LIQUEFACTION PROJECT  
642 ALLENS AVENUE  
PROVIDENCE, RHODE ISLAND

Summary Figure  
Week of 04-04-2022

PREPARED BY:  
**GZA** GeoEnvironmental, Inc.  
Engineers and Scientists  
www.gza.com

PREPARED FOR:  
**nationalgrid**

PROJ MGR: SDN	REVIEWED BY: MSK	CHECKED BY: MSK	FIGURE <b>1</b> SHEET NO.
DESIGNED BY: SDN	DRAWN BY: LDT	SCALE: AS NOTED	
DATE: W/O 04-04-2022	PROJECT NO. 33554.04	REVISION NO. 0	