

TRANSMITTAL

Providence, Rhode Island 02909				Da	te: 9/23/19	Job	No. 03.0033554.04
1.421.4140 (fax) 401.751.8613			Attention: Mr. Joseph Martella				
:	Rhode Island Department of Environme	ental	Management	Re	: Liquefaction Facility	Proiect	
-	Office of Waste Management				STRAP Perimeter Air		onitoring (AQM)
-	235 Promenade Street				121 Terminal Road/		.
-	Providence, Rhode Island 02908			-	Providence, Rhode I	sland	
					Site Remediation File		-1152
are	Shop Drawings	X	Attached Prints		Change Order		Samples Specifications
	Under Separate Cover, the followir	ng Ite			via:		
Sh	ipped:						
Х		(Courier		Regular Mail		Hand Delivered/Picked Up
Qu	iption Iality Monitoring (AQM) Results – of 9/16/19 (9/16/19, 9/17/19, 9/18/19, AQM Station 1 Graph AQM Station 2 Graph AQM Station 3 Graph Roving Air Monitoring Unit Graph	9/19	/19, and 9/20/19)				

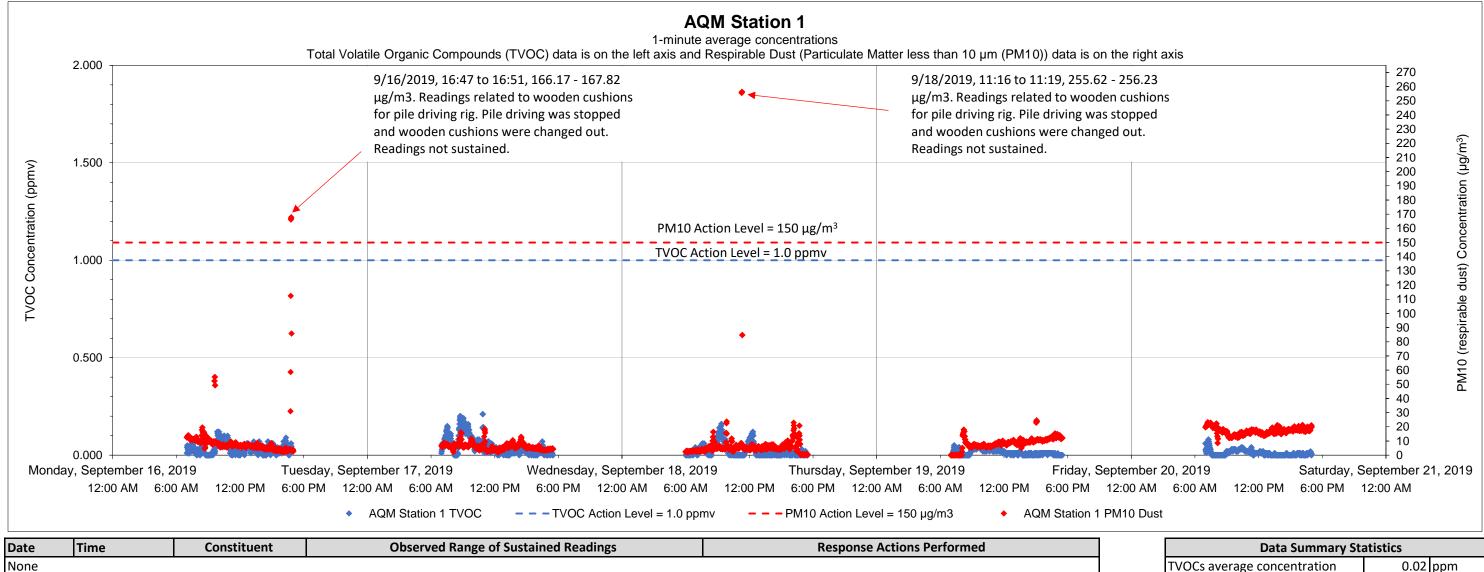
THESE ARE TRANSMITTED as Checked Below:

	For Approval	Approved as Submitted	Resubmit Copies for Approval
Х	For Your Use	Approved as Noted	Submit Copies for Distribution
	As Requested	Returned for Corrections	Return Corrected Prints
	For Review and Comment		PRINTS RETURNED AFTER LOAN TO US
	FOR BIDS DUE:		

Comments:

 Copy To:
 Amy Willoughby - National Grid LNG LLC
 Signed:
 Sophia Narkiewicz, P.E.

 William Howard - National Grid LNG LLC
 Project Manager



Date	Time	constituent	Response Actions renormed
None			

Equipment Notes	
None	

Notes:

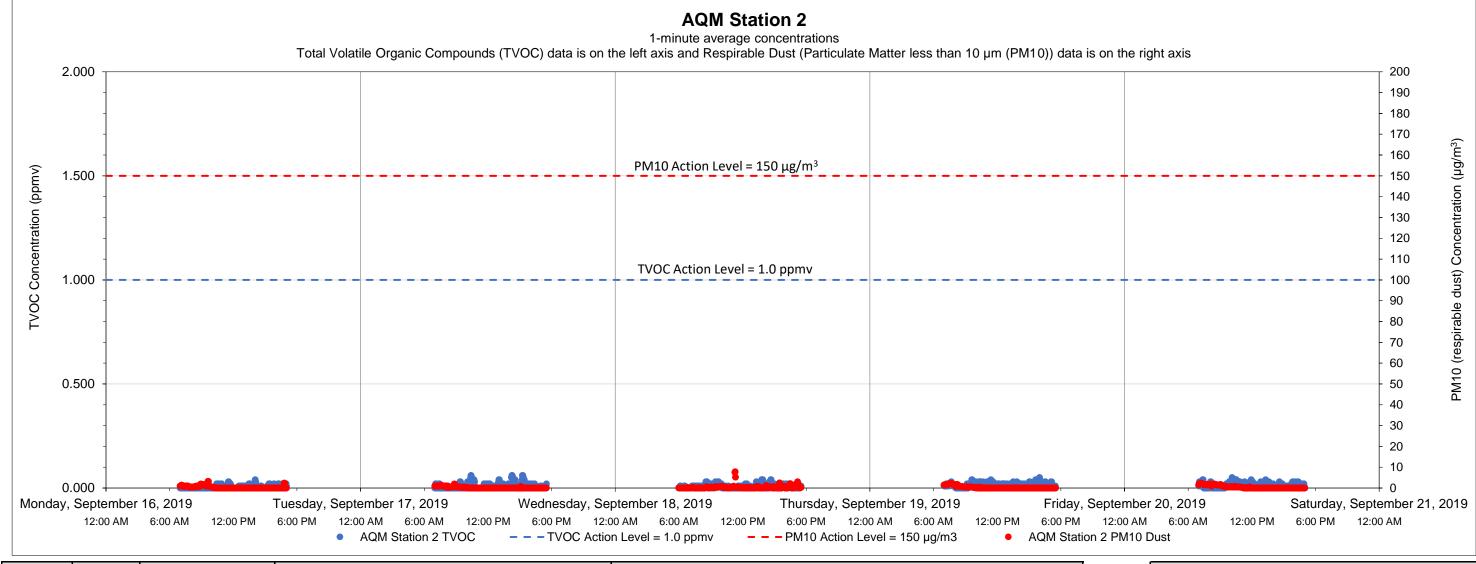
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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.

GZA Job No. 03.0033554.04 9/20/2019

Data Summary Statistics					
TVOCs average concentration	0.02	ppm			
TVOCs maximum concentration	0.21	ppm			
TVOCs action level	1	ppm			
PM10 average concentration	9.31	µg/m³			
PM10 maximum concentration	256.23	µg/m³			
PM10 action level	150	µg/m³			



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

Equipment Notes	
None	

Notes:

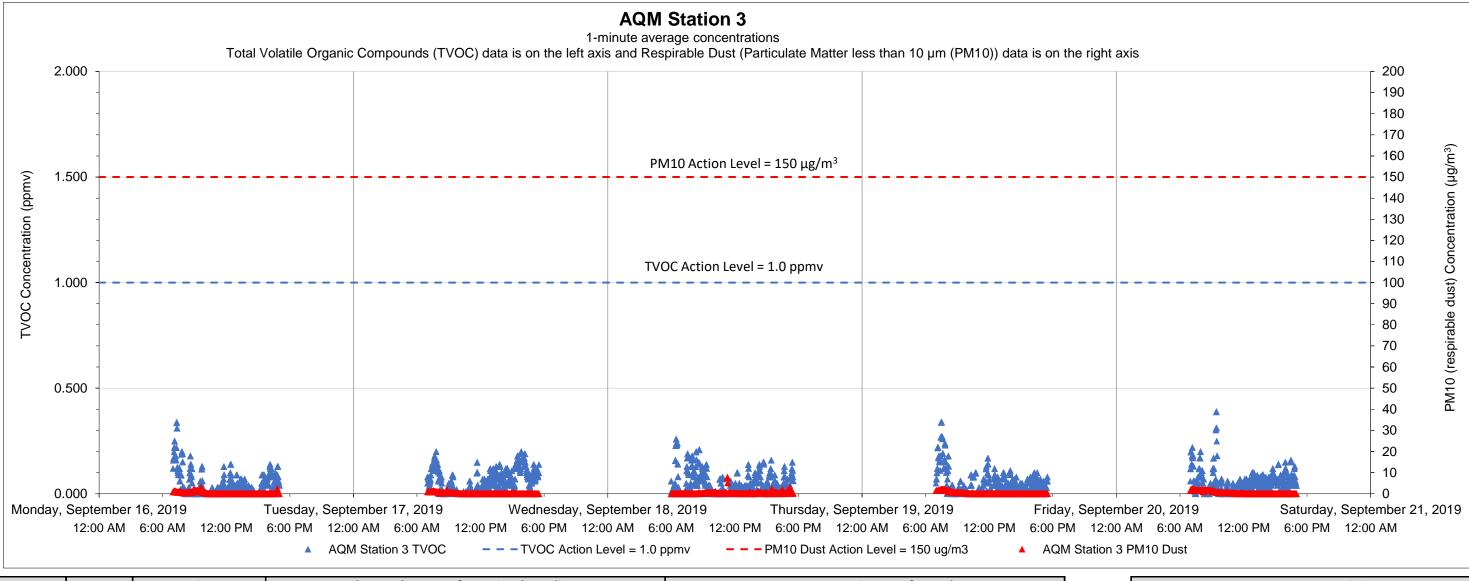
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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 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.

Data Summary Statistics					
TVOCs average concentration	0.01	ppm			
TVOCs maximum concentration	0.06	ppm			
TVOCs action level	1	ppm			
PM10 average concentration	0.32	µg/m³			
PM10 maximum concentration		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
None				

quipment Notes					
None					

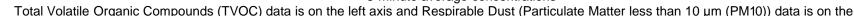
Notes:

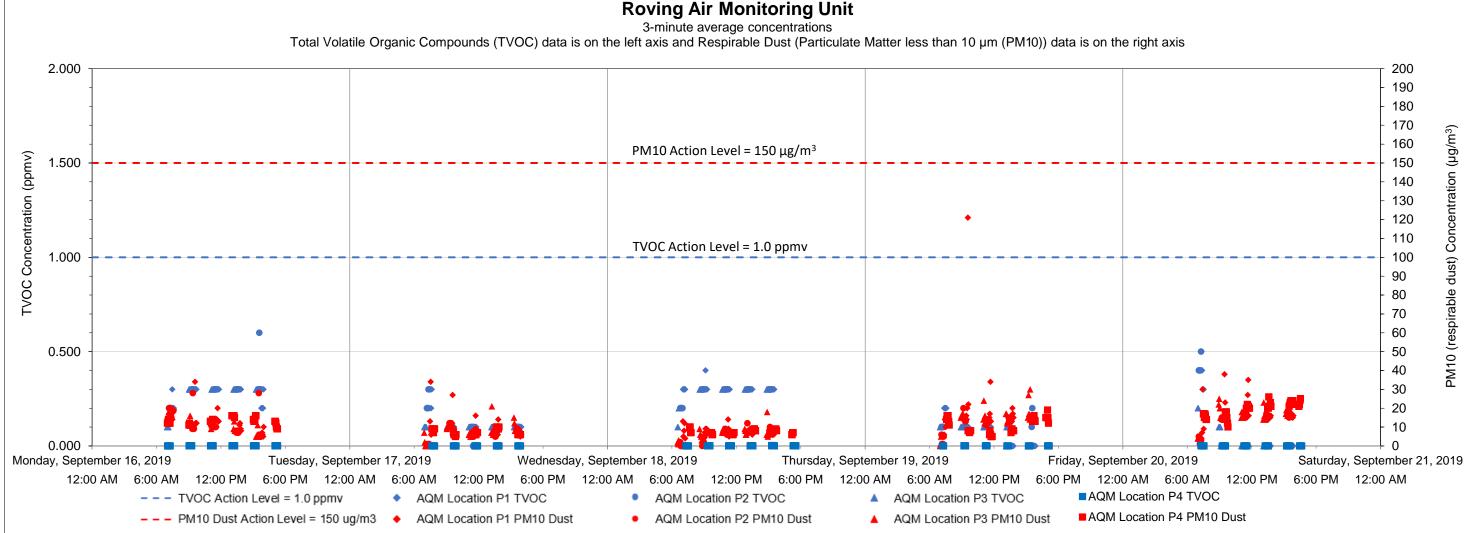
1) Transient readings were conducted over a one minute time period. A reading is sustained if it is held for over a five minute time period.

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.

Data Summary Statistics					
TVOCs average concentration	0.05	ppm			
TVOCs maximum concentration	0.39	ppm			
TVOCs action level	1	ppm			
PM10 average concentration	8.04	µg/m³			
PM10 maximum concentration	24.11	µg/m³			
PM10 action level	150	µg/m³			





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

quipment Notes	
None	

Notes:

1) Transient readings were conducted over a three minute time period. A reading is sustained if it is held for over a five minute time period.

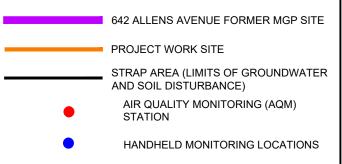
2) The location of each AQM location is presented on the attached summary figure. This graph depicts data collected by the roving unit.

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.

Data Summary Statistics				
TVOCs average concentration	0.13	ppm		
TVOCs maximum concentration	0.60	ppm		
TVOCs action level	1	ppm		
PM10 average concentration	11.68	µg/m³		
PM10 maximum concentration		µg/m³		
PM10 action level	150	µg/m³		







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.

0 100'	200'	400' W	E		
SCALE IN FEET 1" = 200'					
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NATIONAL GRID LIQUEFACTION FACILITY PERIMETER AIR MONITORING PROGRAM PROVIDENCE, RHODE ISLAND					
Summary Figure Week of 9-16-19					
C TA Engineer	Environmental, Inc. s and Scientists w.gza.com	national grid			
PROJ MGR: SDN	REVIEWED BY: MSK	CHECKED BY: MSK	FIGURE		
DESIGNED BY: SDN DATE: W/O 9-16-19	DRAWN BY: LDT PROJECT NO. 33554.04	SCALE: AS NOTED REVISION NO. 0	1 SHEET NO.		