

**AIR, NOISE AND VIBRATION  
MONTHLY MONITORING REPORT  
Number 030 – January 2025**

Prepared By:  
Gramercy  
Group Inc.

DDC. Project ID:	BBJ M DSS	Period Start: 1/01/25 End 1/31/25	
Project Name:	NYC Borough Based Jails System – Manhattan Dismantle and Swing Space		
DDC Pin No.:	8502021CR0004P-06P		
<b>1) Community Air Monitoring Monthly Status Summary</b> TWA – Time Weighted Average ug/m³- micrograms per cubic meter			
Number of Workdays in a Month	Number of Air Monitoring Days in a Month	Number of Days with Dust Concentrations above Action Concentrations by Month (100 ug/m³ 15 minute TWA)	Comments
22	31	1	During the month of January 2025, there was 1 exceedance on one day where we had a dust concentration exceedance reading. Air monitoring was continued throughout every day of the month even on weekends when no work was being performed. Explanations for these exceedances will be in the summary below.
<b>Community Air Monitoring Excursions and Corrective Actions</b> Action Concentration =100 ug/m³ 15 minute TWA above background concentration Stop Work Concentration = 150 ug/m³ 15 minute TWA above background concentration			
Date: Time	Maximum Dust Reading Before Corrective Action 15 Minute TWA (ug/m³)	Maximum Dust Reading After Corrective Action 15 Minute TWA (ug/m³)	Corrective Action
AQS #993 – 1/13/25 @ 12:30PM	200+ (ug/m³)	N/A	No corrective action at this time. We were not performing any work in or near this area at the time. Not caused by demolition or construction activities. We responded to the exceedance and were unable to determine the cause.

**Narrative Summary of Air Monitoring, Excursions and Corrective Actions:**

During the month of January 2025, we experienced 1 instance on one day where the dust concentration was above threshold. Construction-related levels of Particulate Matter (PM) PM10 did not surpass Daily Permissible Exposure Limits (PEL) as set by federal standards for the 24-hour Time Weighted Average (TWA), or daily value, and did not cause air quality concerns to the public or on-site workers. In the graphs below, you will see some gaps in the data at different instances due to monitoring device maintenance. Please note that when a monitor is down, the adjacent monitors are placed in locations so that their coverage will cover the area of the monitor that is not recording for that time.

The contractor, Gramercy Group Inc, in conjunction with the contractor's environmental specialist, has successfully implemented mitigation techniques at Action Level as well as Permissible Exposure Limits (15-Minute TWA) to suppress construction activity effects on air quality throughout the project work-zone.

**2) Community Noise Monitoring Monthly Summary**

Weighted decibels (dBA) level

Number of Workdays in a Month	Number of Noise Monitoring Days in a Month	Number of Days with Noise Levels above Action Levels by Month (dBA)	Comments
22	31	27	During the month of January, we had 141 exceedances, none of them being caused by construction activities. Explanations and corrective actions can be seen below. Noise monitoring for the month of January was continued everyday throughout the week, and even on weekends.

**Community Noise Monitoring Excursions and Corrective Actions**

Stop Work Level = 80 dBA

Date: Time	Maximum Noise Reading before Corrective Action (dBA)	Maximum Noise Reading after Corrective Action (dBA)	Corrective Action
AQS #975 – 1/05/25 @ 10:30PM	81.1 dBA	N/A	No corrective action at this time. This was after working hours
AQS #975 – 1/08/25 @ 2:30PM	80.1 dBA	N/A	No corrective action at this time. This was caused by DOC buses and Centre Street traffic.
AQS #975 – 1/09/25 @ 10:30AM	80.7 dBA	N/A	No corrective action at this time. This was caused by DOC buses and Centre Street traffic.
AQS #975 – 1/10/25 @ 11:00AM	82.6 dBA	N/A	No corrective action at this time. This was caused by DOC buses and Centre Street traffic.
AQS #975 – 1/23/25 @ 1:30AM	81.8 dBA	N/A	No corrective action at this time. This was after working hours
AQS #977 – 1/02/25 @ 3:30AM	84.4 dBA	N/A	No corrective action at this time. This was after working hours
AQS #977 – 1/02/25 @ 3:00PM	92.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.

AQS #977 – 1/02/25 @ 8:30PM	82.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/03/25 @ 5:00AM	87.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/03/25 @ 11:00AM	90.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 1/03/25 @ 4:00PM	88.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/04/25 @ 4:00AM	90.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/04/25 @ 12:00PM	92.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 1/04/25 @ 6:00PM	87.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 1/05/25 @ 1:30AM	83.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/05/25 @ 2:30PM	89.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 1/05/25 @ 7:30PM	104.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 1/05/25 @ 9:30PM	96.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/05/25 @ 11:00PM	99.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/06/25 @ 7:30AM	93.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 1/06/25 @ 8:30AM	100.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 1/07/25 @ 9:00AM	85.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 1/07/25 @ 1:30PM	87.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 1/08/25 @ 4:30AM	85.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/09/25 @ 12:30AM	82.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/09/25 @ 12:30PM	81.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 1/09/25 @ 3:30PM	86.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 1/09/25 @ 5:30PM	81.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/10/25 @ 7:30AM	92.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 1/10/25 @ 7:30PM	84.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/12/25 @ 4:00PM	82.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/13/25 @ 2:00PM	94.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 1/13/25 @ 6:30PM	100.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/13/25 @ 8:30PM	83.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/14/25 @ 2:00AM	87.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/14/25 @ 11:30PM	81.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/15/25 @ 12:30PM	93.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 1/15/25 @ 2:30PM	81.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.

AQS #977 – 1/15/25 @ 4:30PM	93.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/15/25 @ 8:00PM	93.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/16/25 @ 1:30AM	84.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/16/25 @ 3:30AM	84.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/16/25 @ 8:30AM	81.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 1/17/25 @ 10:30PM	85.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/18/25 @ 1:30AM	85.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/18/25 @ 1:30PM	98.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 1/18/25 @ 8:00PM	87.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/18/25 @ 11:30PM	90.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 1/19/25 @ 8:00AM	81.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 1/24/25 @ 12:30PM	81.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #993 – 1/21/25 @ 1:20PM	93.3 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #993 – 1/28/25 @ 3:40PM	81.2 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #997 – 1/01/25 @ 2:00AM	81.2 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #997 – 1/07/25 @ 10:30AM	83.7 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #997 – 1/10/25 @ 12:30PM	80.9 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #997 – 1/15/25 @ 7:30AM	84.3 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #997 – 1/28/25 @ 11:30PM	81.6 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #997 – 1/29/25 @ 1:00PM	90.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #998 – 1/02/25 @ 2:20PM	87.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #998 – 1/07/25 @ 10:20AM	86.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #998 – 1/07/25 @ 10:20PM	82.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #998 – 1/15/25 @ 7:40AM	82.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #998 – 1/15/25 @ 9:20AM	82.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #998 – 1/17/25 @ 7:40AM	81.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #998 – 1/17/25 @ 12:40PM	81.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #998 – 1/21/25 @ 12:20PM	81.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #998 – 1/22/25 @ 10:20AM	82.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #001 – 1/01/25 @ 4:40PM	80.3 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/03/25 @ 5:20AM	102.9 dBA	N/A	No corrective action at this time. This was after working hours.



AQS #001 – 1/03/25 @ 8:00AM	112.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #001 – 1/03/25 @ 2:00PM	80.6 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #001 – 1/03/25 @ 6:00PM	105.5 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/03/25 @ 9:40PM	109.1 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/03/25 @ 11:40PM	101.1 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/05/25 @ 5:20AM	111.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/05/25 @ 9:00AM	112.3 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/05/25 @ 12:00PM	109.6 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/05/25 @ 2:00PM	114.9 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/05/25 @ 7:40PM	80.9 dBA	N/A	No corrective action at this time. This was after working hours
AQS #001 – 1/05/25 @ 9:00PM	83.3 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/06/25 @ 12:40AM	96.9 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/06/25 @ 3:20AM	92.5 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/06/25 @ 7:20AM	104.7 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/06/25 @ 1:20PM	80.4 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/06/25 @ 2:00PM	101.2 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/06/25 @ 4:00PM	104.5 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/06/25 @ 6:00PM	101.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/07/25 @ 1:40AM	113.6 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/07/25 @ 6:00AM	112.1 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/07/25 @ 8:40AM	81.1 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/07/25 @ 10:00AM	104.4 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/07/24 @ 1:20PM	110.4 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the

			courthouse
AQS #001 – 1/07/25 @ 5:40PM	96.3 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/08/25 @ 12:00AM	118.2 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/08/25 @ 3:00PM	85.8 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/08/25 @ 6:00PM	114.2 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/08/25 @ 9:40PM	91.8 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/08/25 @ 10:00PM	113.4 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/09/25 @ 8:20AM	94.6 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/09/25 @ 11:40AM	80.5 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/09/25 @ 2:00PM	93.4 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/09/25 @ 5:40PM	99.3 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/09/25 @ 7:40PM	90.9 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/09/25 @ 9:00PM	99.5 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/09/25 @ 11:40PM	83.3 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/10/25 @ 1:40AM	91.6 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/13/25 @ 8:40AM	98.8 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/13/25 @ 10:00AM	82.9 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/13/25 @ 1:40PM	105.3 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/14/25 @ 6:00AM	84.6 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/14/25 @ 8:20AM	83.1 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/15/25 @ 6:40AM	104.4 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/15/25 @ 9:40AM	94.8 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/15/25 @ 12:00PM	94.3 dBA	N/A	No corrective action at this time. This was

			not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/15/25 @ 5:20PM	81.2 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/15/25 @ 8:40PM	98.2 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/15/25 @ 11:20PM	97.6 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/16/25 @ 5:40AM	95.1 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/16/25 @ 9:00AM	97.5 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/16/25 @ 12:20PM	111.4 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/16/25 @ 3:00PM	101.6 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/17/25 @ 3:40AM	100.7 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/17/25 @ 5:00AM	108.2 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/17/25 @ 6:40AM	93.8 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/17/25 @ 9:40AM	110.1 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/20/25 @ 8:00AM	85.5 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/20/25 @ 12:00PM	106.9 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/20/25 @ 6:00PM	115.2 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/20/25 @ 8:00PM	111.5 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/20/25 @ 11:20PM	105.2 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/21/25 @ 1:40AM	115.2 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/21/25 @ 3:40AM	113.2 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/21/25 @ 12:00PM	86.6 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/21/25 @ 7:40PM	84.9 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/22/25 @ 7:40AM	93.3 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/22/25 @ 10:00AM	90.1 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is

			from operation activities inside of the courthouse
AQS #001 – 1/22/25 @ 2:40PM	88.3 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/29/25 @ 2:20PM	92.4 dBA	N/A	No corrective action at this time. This was not caused by construction activity. This is from operation activities inside of the courthouse
AQS #001 – 1/29/25 @ 5:20PM	90.3 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/29/25 @ 1:00AM	112.4 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #001 – 1/30/25 @ 8:00PM	106.3 dBA	N/A	No corrective action at this time. This was after working hours.

**Narrative Summary of Noise Monitoring, Excursions and Corrective Actions:**

During the month of January 2025, there were a total of 141 alerts on 26 separate days with instances of noise level exceedances. Out of the 141 alerts we received, ZERO were found to be caused by construction/dismantlement activities upon investigation. Causes and corrective action explanations are stated above. As stated in previous reports we investigate every alert we get even in areas we know we are not working to verify that this was caused by either DOC buses / Sally Port gate siren or community noise and/or traffic. AQS #001 inside on the 3<sup>rd</sup> floor of the courthouse is directly next to holding cells where people in custody create a lot of noise. In this area we packed the temporary barrier with foam board and sound blankets to ensure our work was not setting off the monitor and the staff inside this area were safe. As per request, we have added the Lmax data as well as the Leq data shown on the graphs on pages 17-22. Please note that the OSHA 8-hr Time Weighted Average (TWA) Permissible Exposure Limit (PEL) is 90 dBA. The OSHA 15-minute TWA PEL is 115 dBA. For non-continuous or impact or impulsive noise, OSHA specifies that a peak unweighted sound level (Lmax) cannot exceed 140 decibels at any time during the workday.

Action levels are based on the time-weighted Leq values, and not Lmax values, as Lmax values are non-continuous and do not accurately reflect construction-related noise impacts on the community. The data provided above shows that some noise exceedances occurred when we were not performing any work. Additional noise exceedances, explanations, and corrective actions are explained above.

You will also see some gaps, typically on weekends when no work was being performed, or due to maintenance or batteries being swapped.

**3) Community Vibration Monitoring Monthly Summary**

Inches per second (in/sec)

Number of Workdays in a Month	Number of Vibration Monitoring Days in a Month	Number of Days with Vibration Levels above Action Levels by Month (in/sec)	Comments
22	31	1	During the month of January 25, we experienced 1 instance where we received an alert which was not related to construction/demolition. Vibration monitoring was continued every day of the week even when we were not working.

**Community Vibration Monitoring Excursions and Corrective Actions**

Action Level = 0.5 in/sec  
Stop Work Level = 1.0 in/sec

Date: Time	Maximum Vibration Level before Corrective Action (in/sec)	Maximum Vibration Level after Corrective Action (in/sec)	Corrective Action
R14 – 1/27/25 @ 10:55AM	5.248 in/sec	N/A	This monitor is located in the CJA intake area. This monitor was bumped by a piece of equipment that was being moved in the area by DOC staff. No further exceedances.

*Narrative Summary of Vibration Monitoring, Excursions and Corrective Actions:*

During the Month of January 2025, there was 1 vibration exceedance which was not related to construction or demolition. This alert was immediately responded to confirming the cause was not due to site activities. All other monitors showed results of vibration being under the stop work limit of 1.0 (in/sec), ensuring the structural integrity of the buildings adjacent to the site.



**ATTACHMENTS:**

- 1 – Include one map of monitoring station/locations
- 2 – Include Data Plots
- 3 – Include Baseline Reference
- 4 – Glossary Terms

<b><u>Glossary of Terms</u></b>	
<b>Terms</b>	<b>Descriptions</b>
<i>Warning Alerts</i>	Warning limit line for vibration monitors is not an indication to stop work. This is to notify DB team to assess the operation and know that we are causing vibration, but not anything exceeding limits and to monitor this area more closely.
<i>After Hours Alert</i>	When a noise exceeding happens on the weekends or after working hours we have no way to correct or speak on what the cause was. Generally these are caused by trucks/car horns, emergency vehicle sirens, and sometimes even pedestrian
<i>Units of Measures</i>	For AQS monitors on the noise chart you will see two different units of measurement. The L <sub>max</sub> 1min (blue line) shows the maximum noise level for a one minute reading. The Leq 20min (black line) shows the maximum noise level for a 20 minute average reading. this is the unit of measure we will use going forward. Exceeding the limit for L <sub>max</sub> 1min is not something that is not allowable. OSHA standard allows for the noise output from a construction site to the public to be a weighted average
<i>Action Level</i>	employer must undertake certain duties of care for exposed workers. Typical values are 80 and 85 dB measured for a whole working day with 'A' frequency weighting.
<i>Ambient Sound</i>	The total amount of all noise present at a particular place and time in the environment at the point of
<i>Leq</i>	Equivalent continuous sound pressure level. A measure of the average sound pressure level during a period of time,
<i>Fine Particles (PM 2.5)</i>	Particles that are generally 2.5 µm in diameter or smaller. This group of particles also encompasses ultrafine particles and nanoparticles which are generally classified as having diameters less than 0.1 µm.

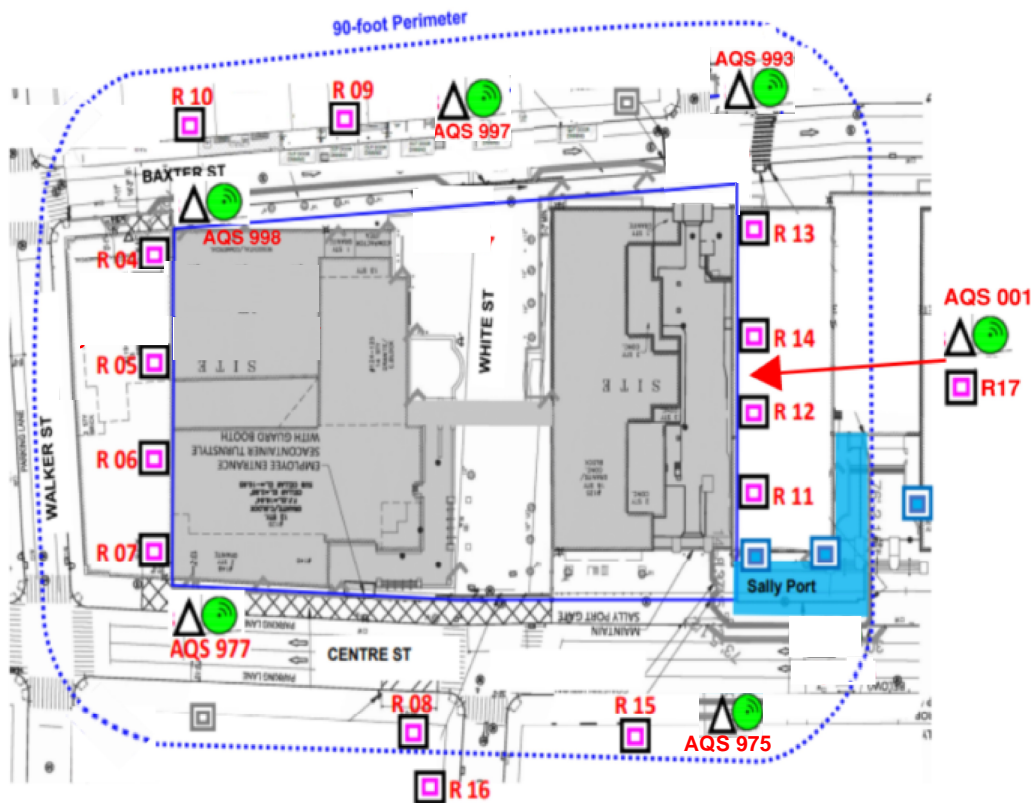


## Map of Monitoring Locations:

Vibration Monitors R04 – R17

Air Quality System (AQS) # 993, 997, 975, 977, 998, & 001

# Environmental Monitoring Manhattan

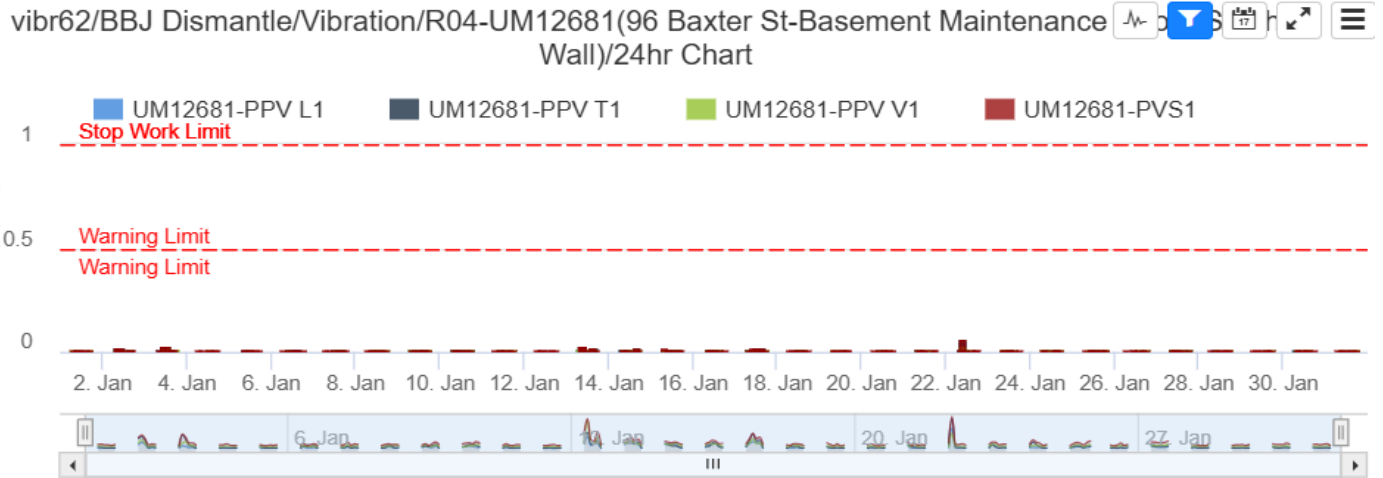


\* Dismantle project vibration, air and noise monitoring devices are installed by Design-Build team in Phase 2, after sally port construction. A vibration monitoring station was installed in the DCTV Fire house at 87 Lafayette St.

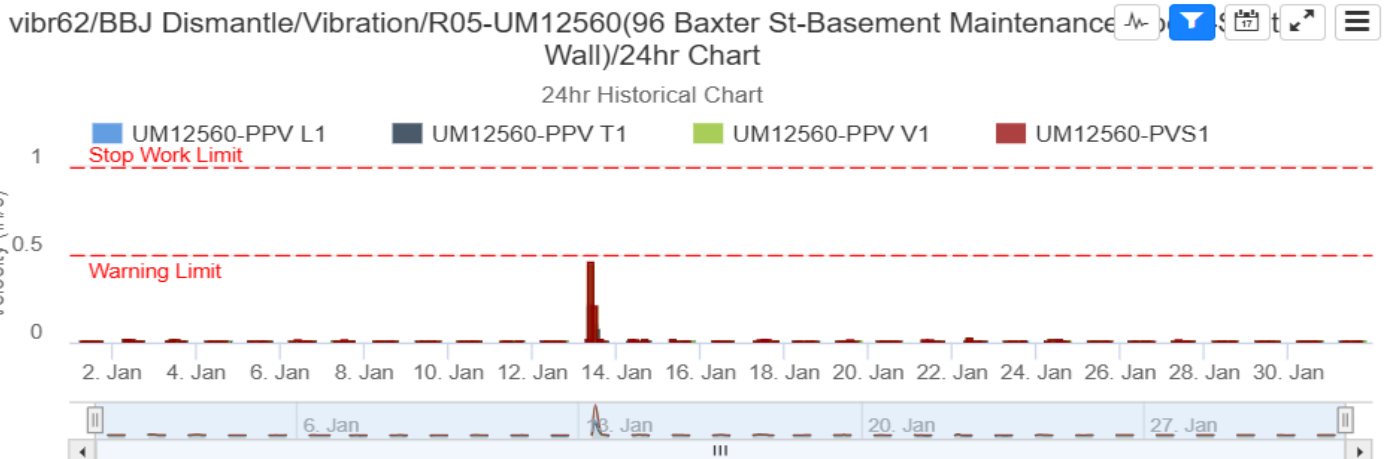
\* The location of monitoring stations presented is referential. Air/Noise Monitoring station located in Sally Port area will be relocated in Phase 2.

	Vibration Monitoring Dismantle
	Air Monitoring Station Dismantle
	Noise Monitoring Station Dismantle
	Vibration Monitoring Sallyport construction (Installed)
	Vibration Monitoring Not installed

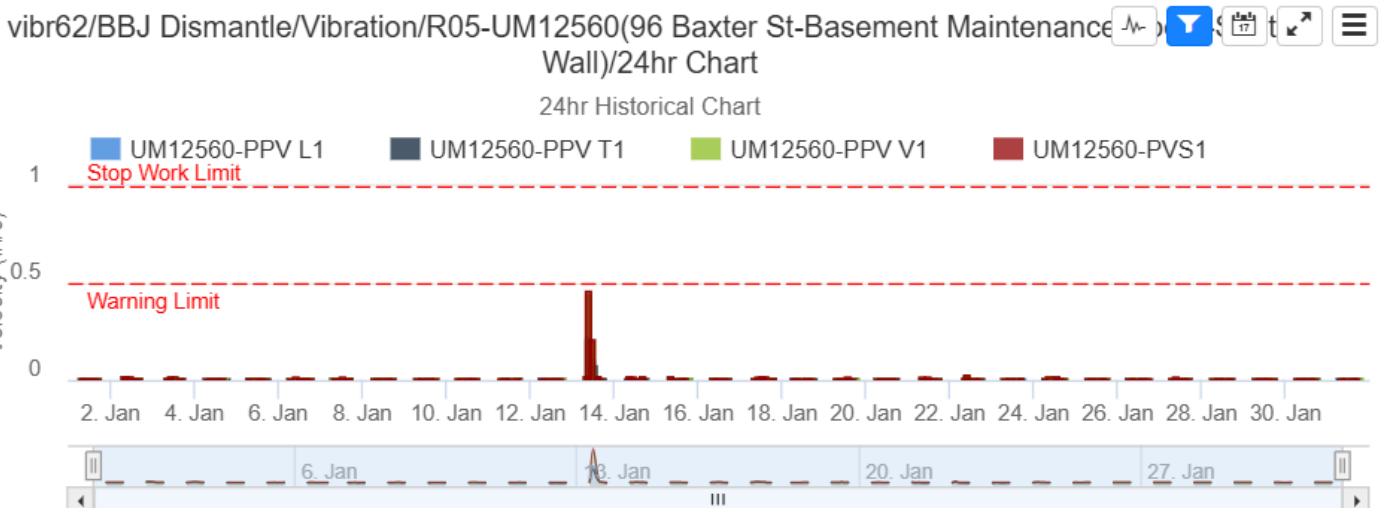
**Vibration Monitor – (R04) January 25:**



**Vibration Monitor – (R05) January 25:**

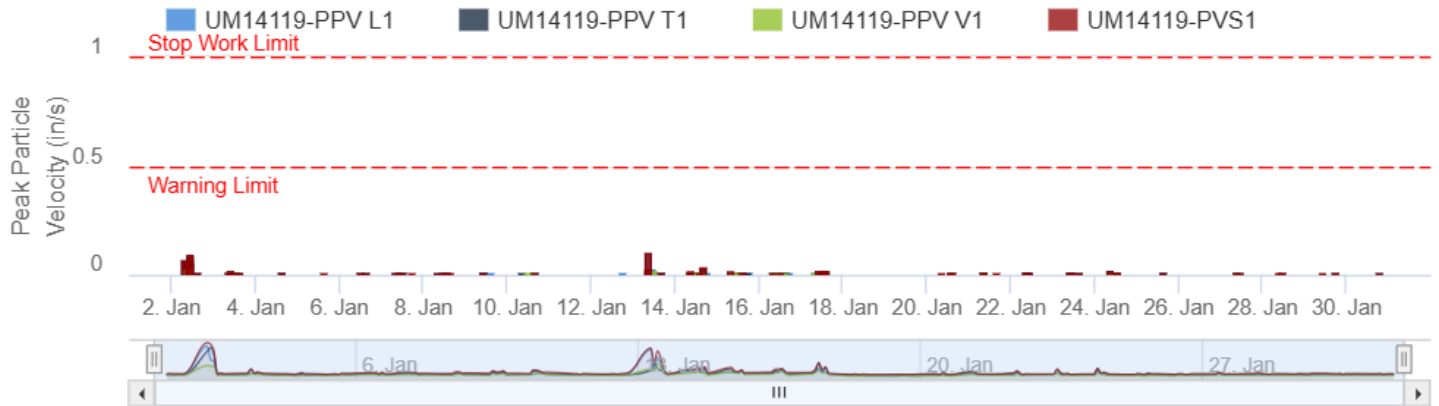


**Vibration Monitor – (R06) January 25:**



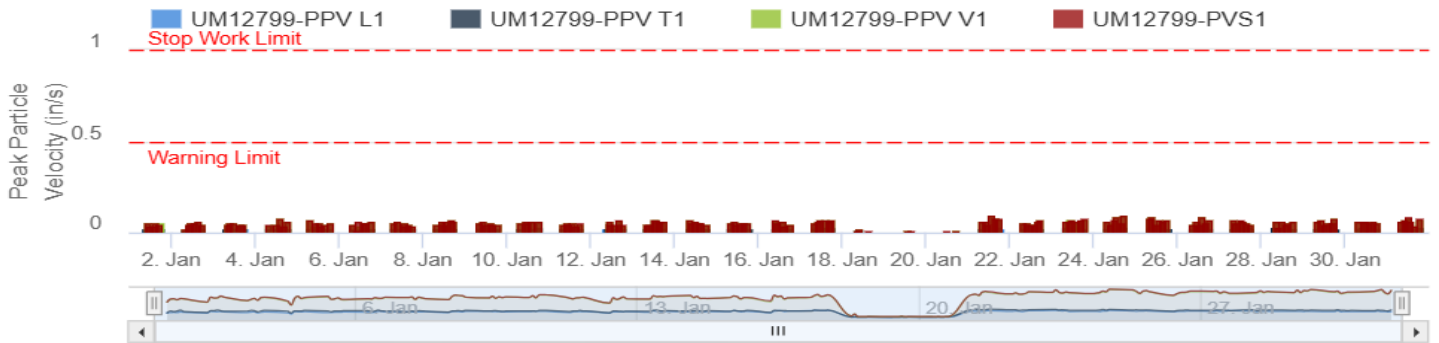
**Vibration Monitor – (R07) January 25:**

vibr62/BBJ Dismantle/Vibration/R07-UM14119(119 Walker St-1st Floor Emergency Exit Wall)/24hr Chat



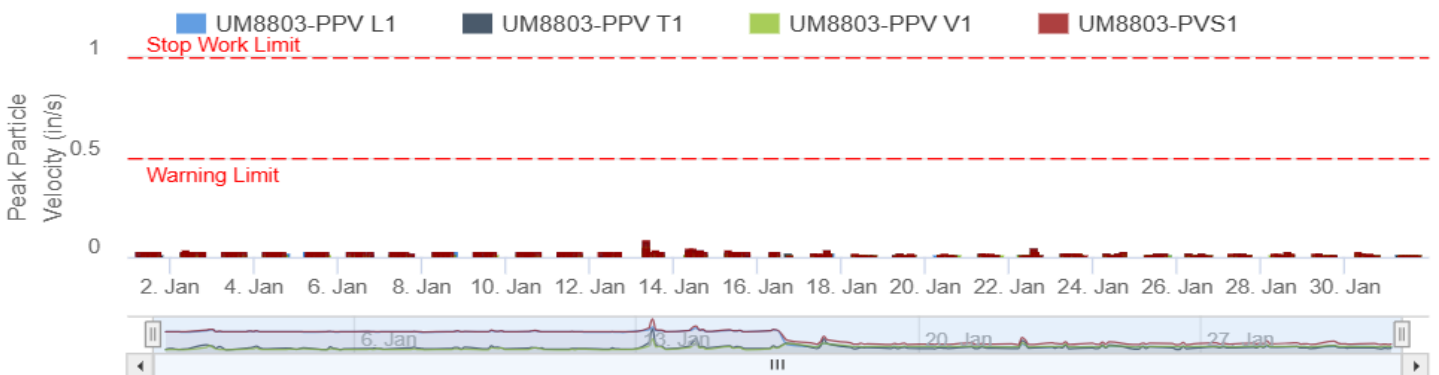
**Vibration Monitor – (R08) January 25:**

vibr62/BBJ Dismantle/Vibration/R08-UM14669(137 Centre St-Basement Boiler Room-Chat

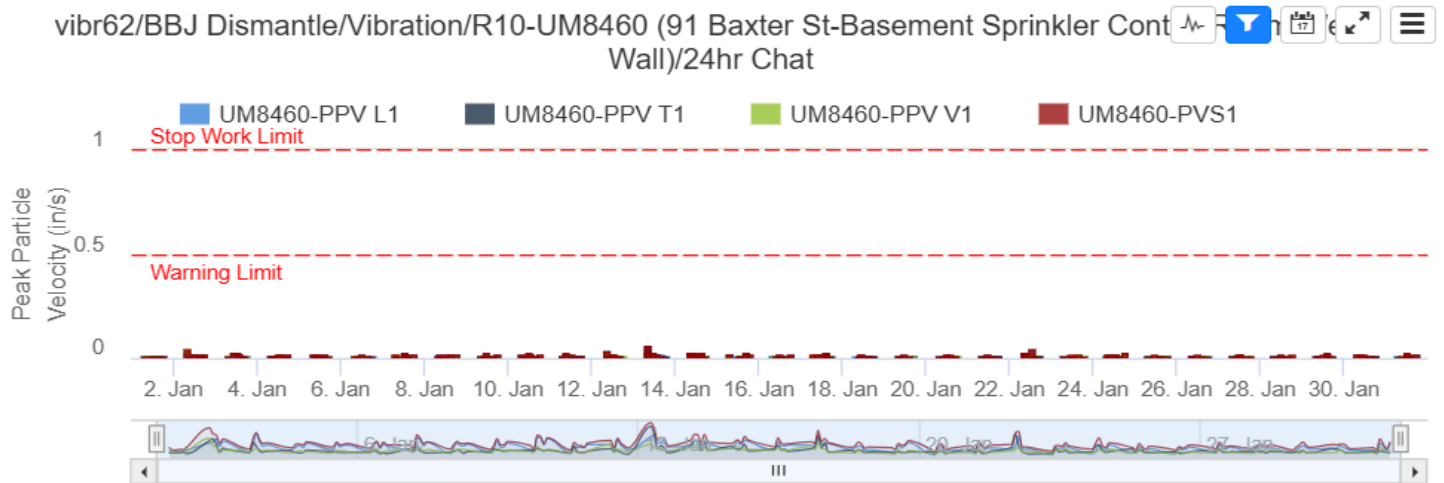


**Vibration Monitor – (R09) January 25:**

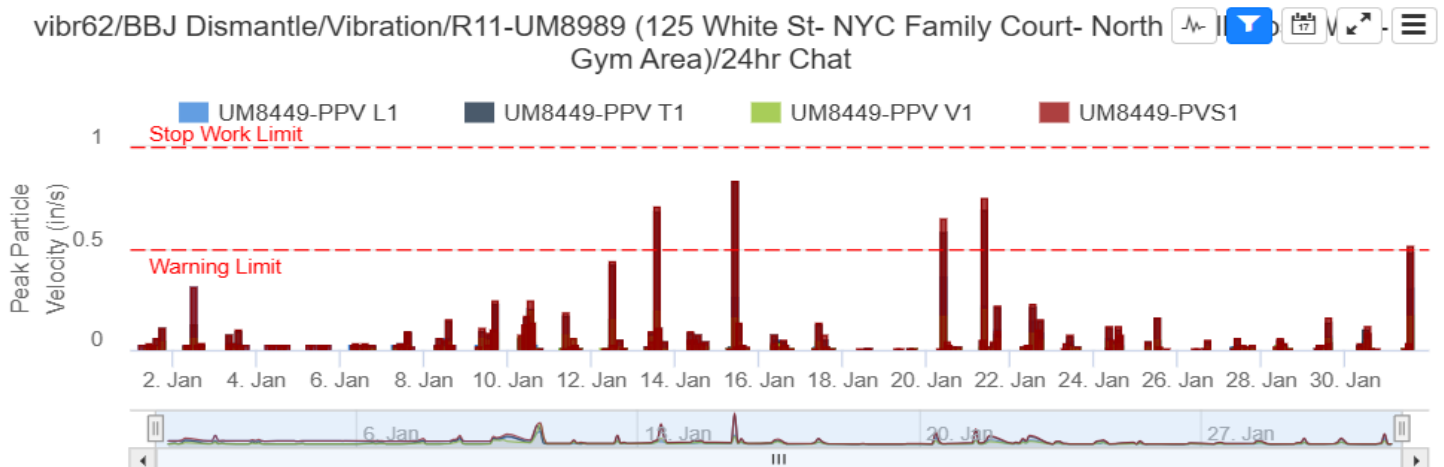
vibr62/BBJ Dismantle/Vibration/R09-UM8961 (87 Baxter St-Basement Meter Room-V Chat



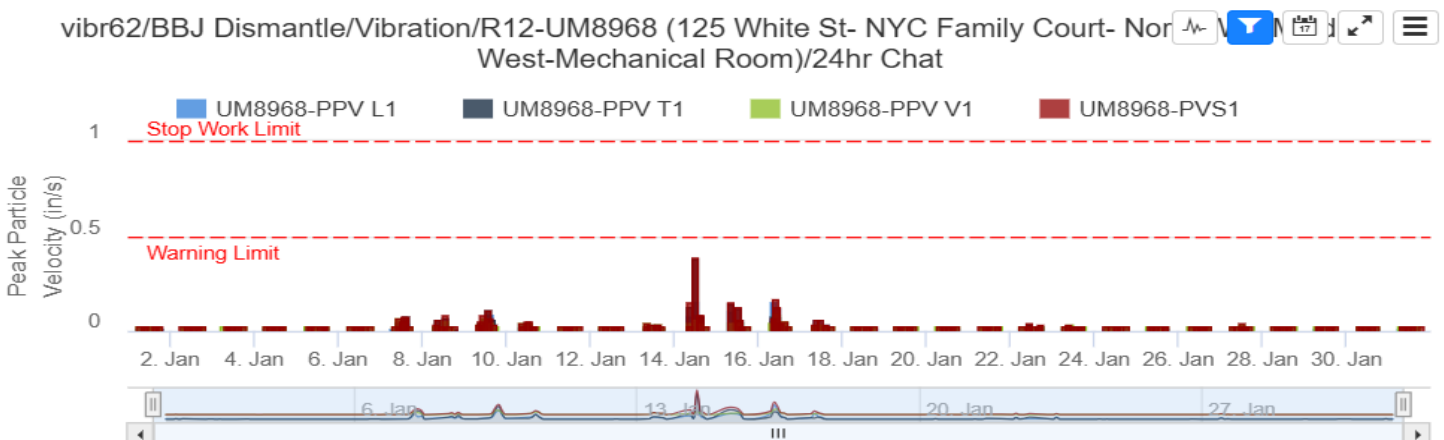
**Vibration Monitor – (R10) January 25:**



**Vibration Monitor – (R11) January 25:**

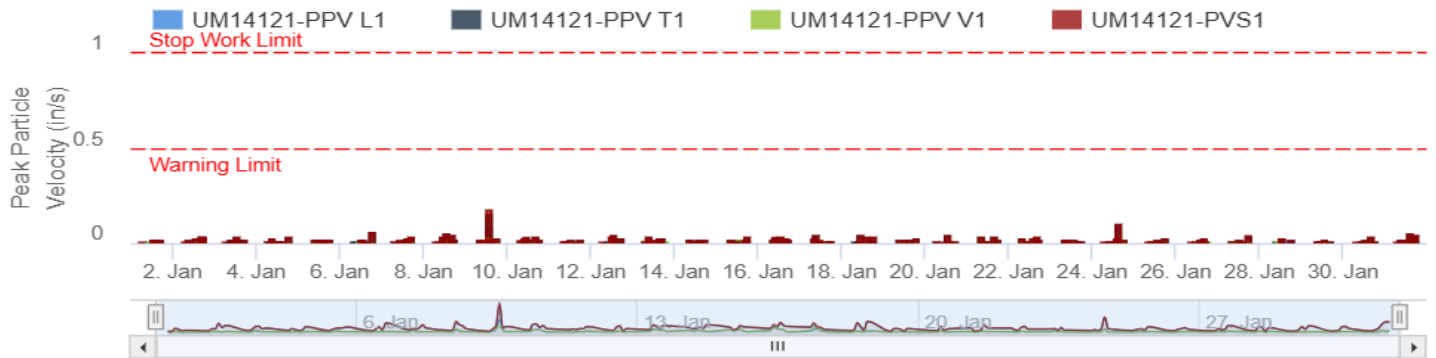


**Vibration Monitor – (R12) January 25:**



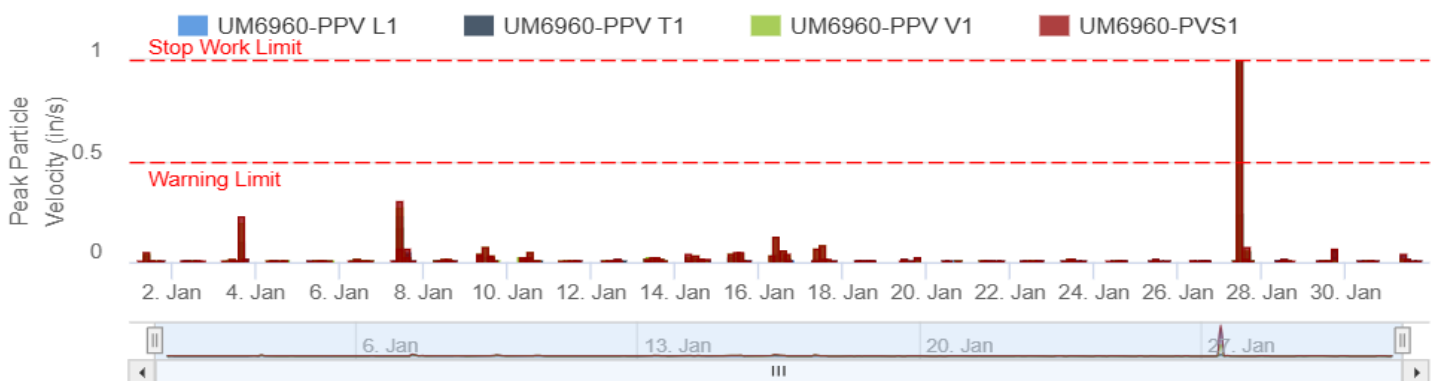
**Vibration Monitor – (R13) January 25:**

vibr62/BBJ Dismantle/Vibration/R13-UM14121 (125 White St- NYC Family Court- No  
East-Through Holdings)/24hr Chat



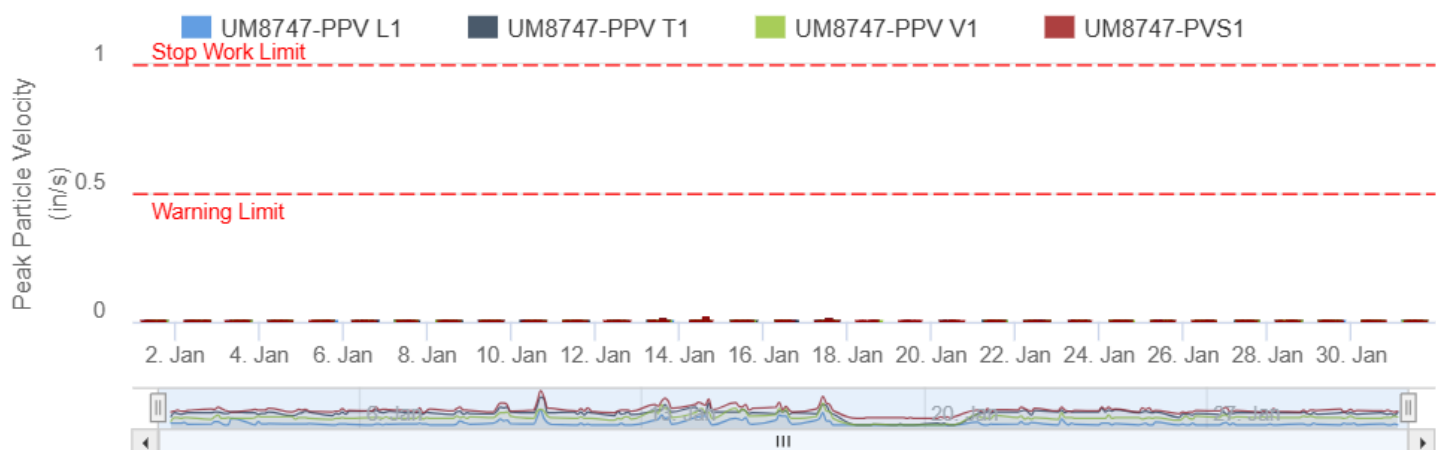
**Vibration Monitor – (R14) January 25:**

vibr62/BBJ Dismantle/Vibration/R14-UM14927 (125 White St- NYC Family Court- No  
East-CJA Intake)/24hr Chat

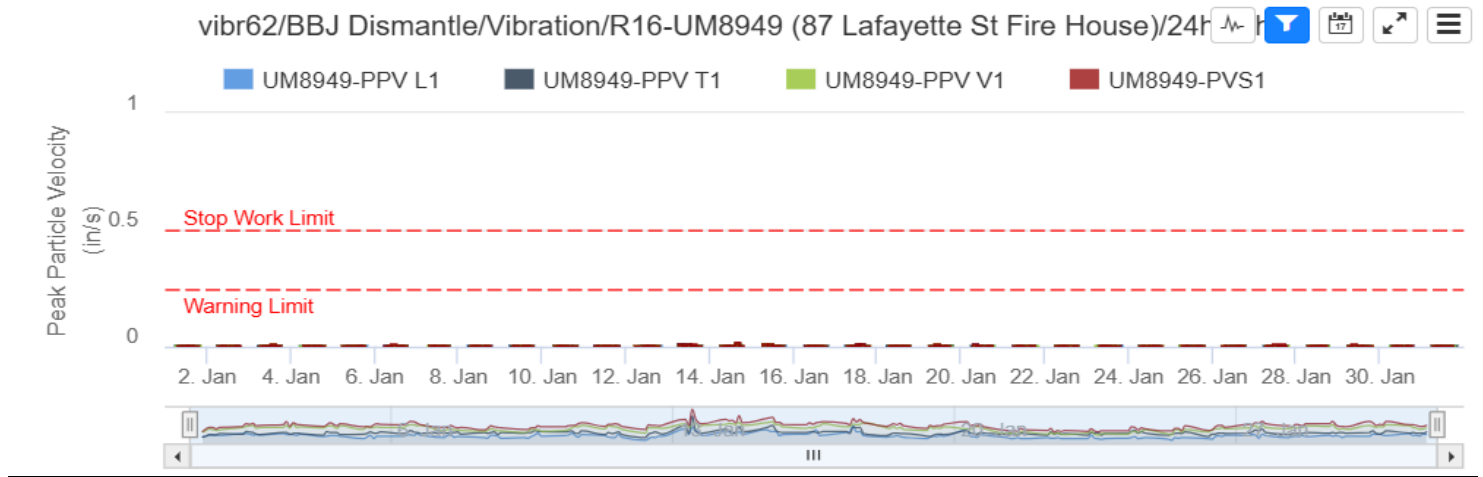


**Vibration Monitor – (R15) January 25:**

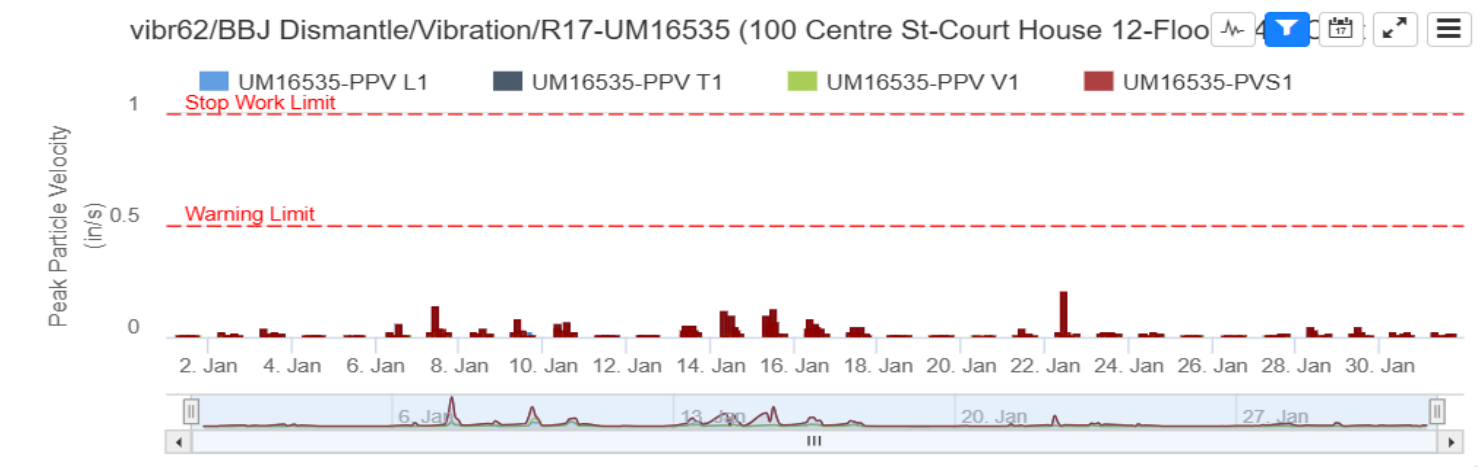
vibr62/BBJ Dismantle/Vibration/R15-UM8948 (111 Center St NYC Civil Court-East W



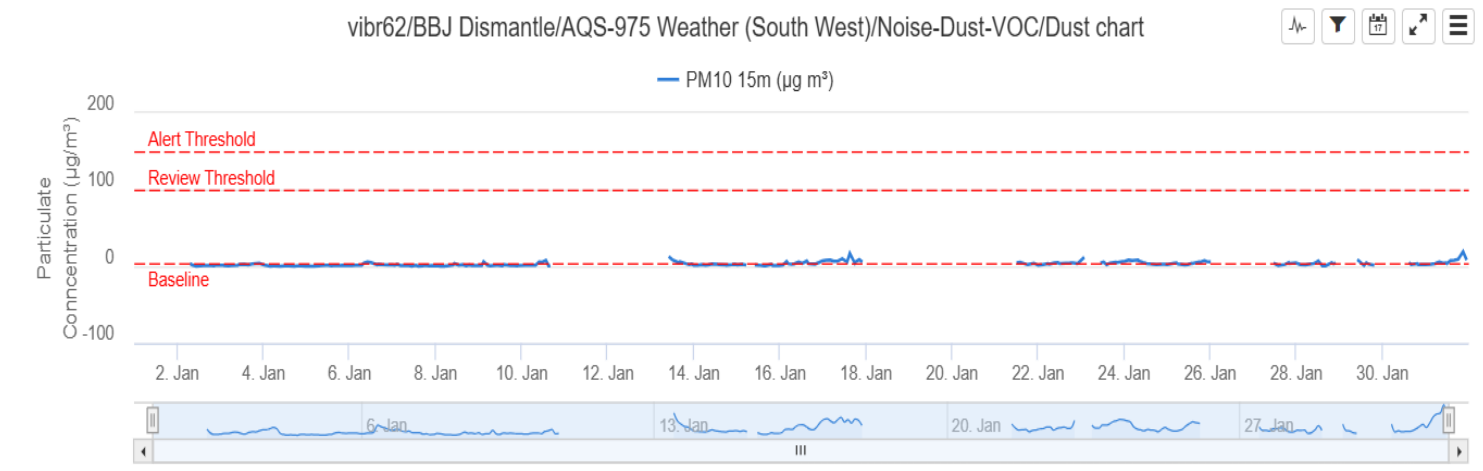
**Vibration Monitor – (R16) January 25:**



**Vibration Monitor – (R17) January 25:**

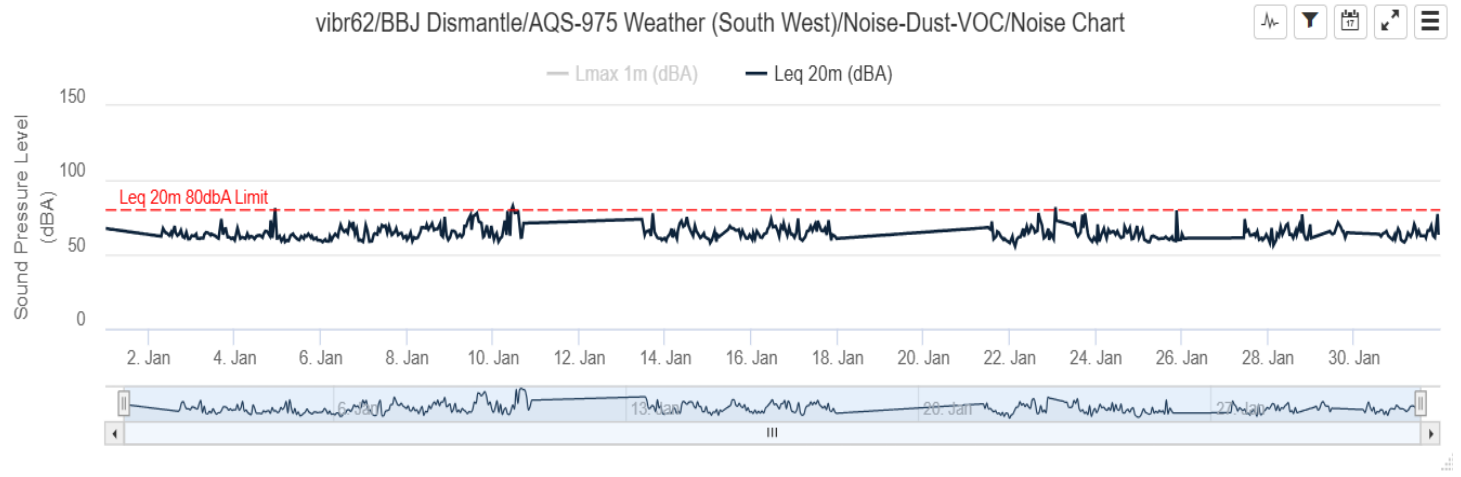


**Air Quality Systems #975 – Dust Monitoring Station – January 25:**

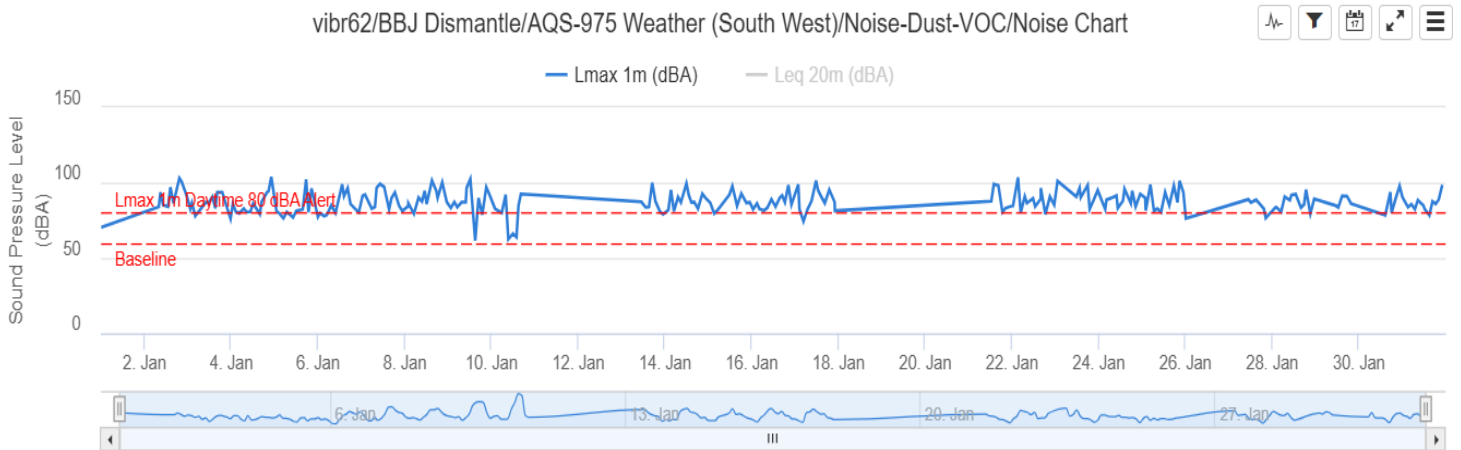




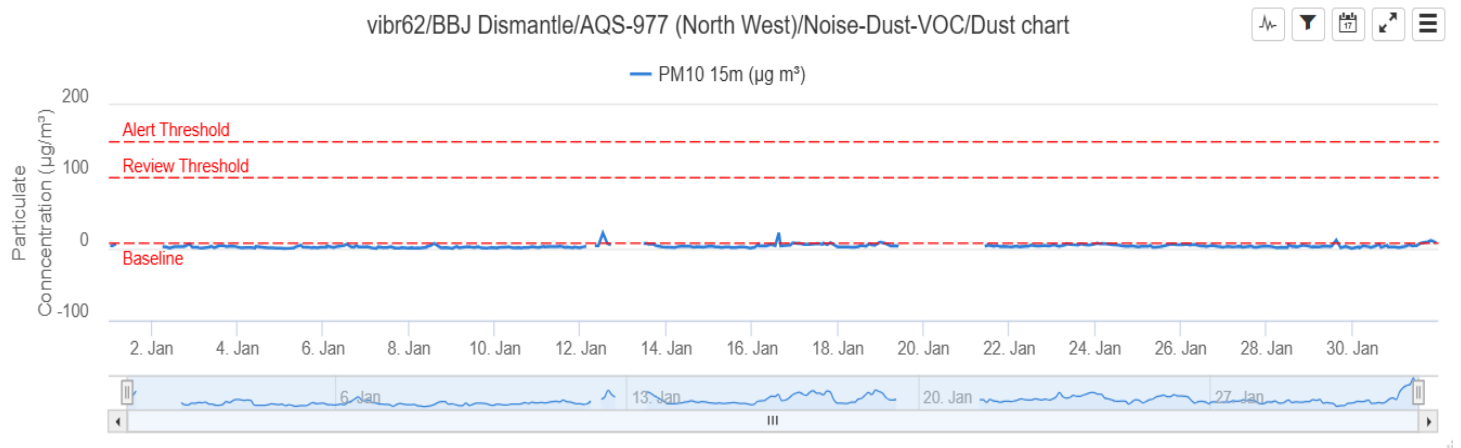
**Air Quality Systems #975 – Noise Monitoring Station – January 25:**



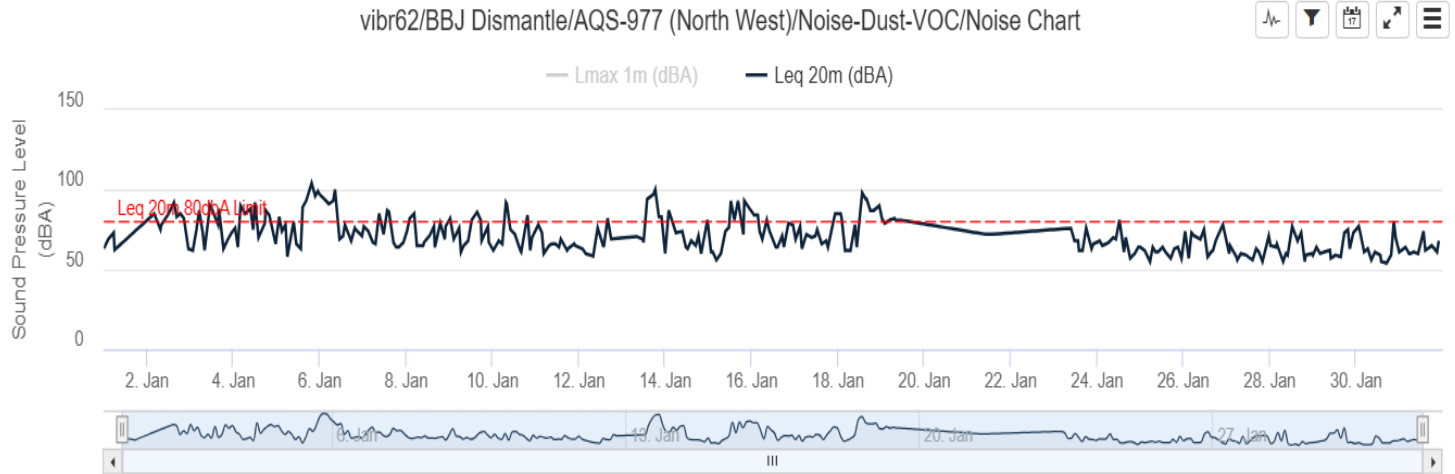
**Air Quality Systems #975 – Noise Monitoring Station (Lmax) – January 25:**



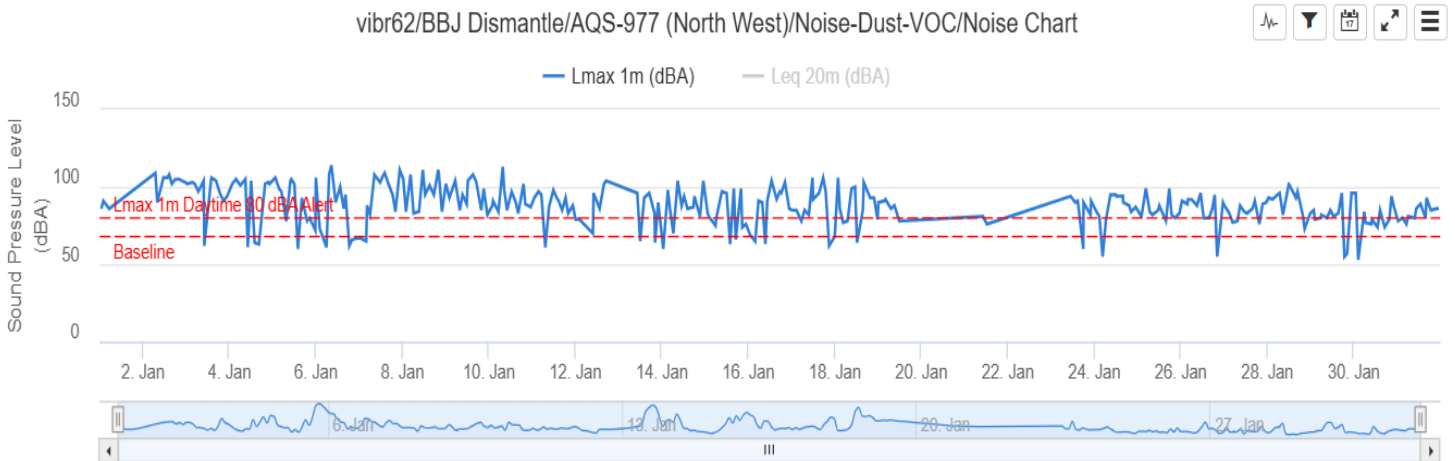
**Air Quality Systems #977 – Dust Monitoring Station – January 25**



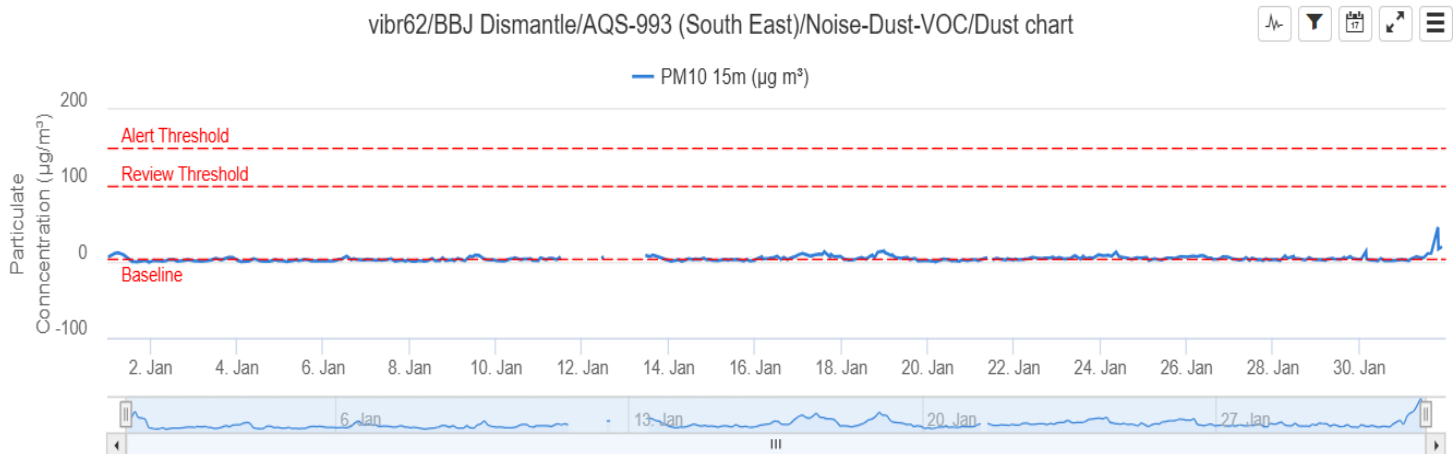
**Air Quality Systems #977 – Noise Monitoring Station – January 25:**



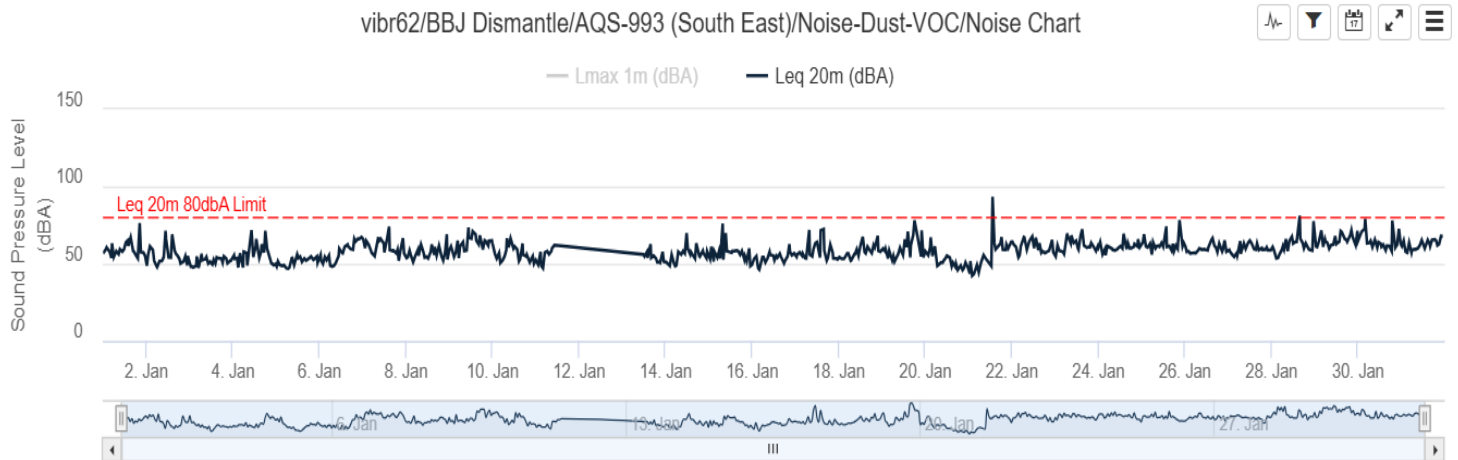
**Air Quality Systems #977 – Noise Monitoring Station (Lmax) – January 25:**



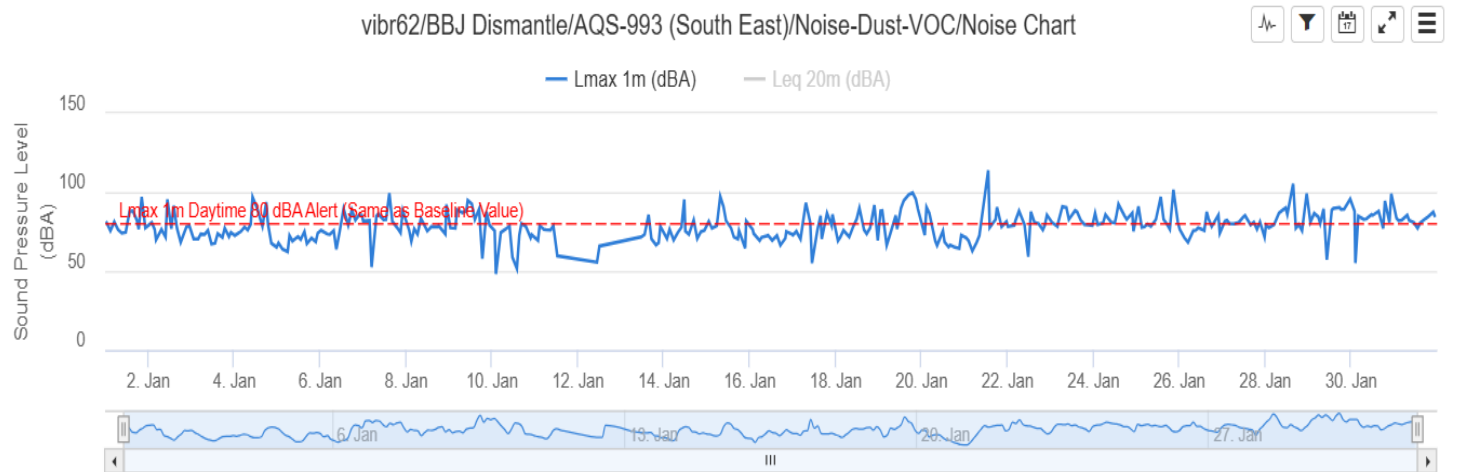
**Air Quality Systems #993 – Dust Monitoring Station – January 25:**



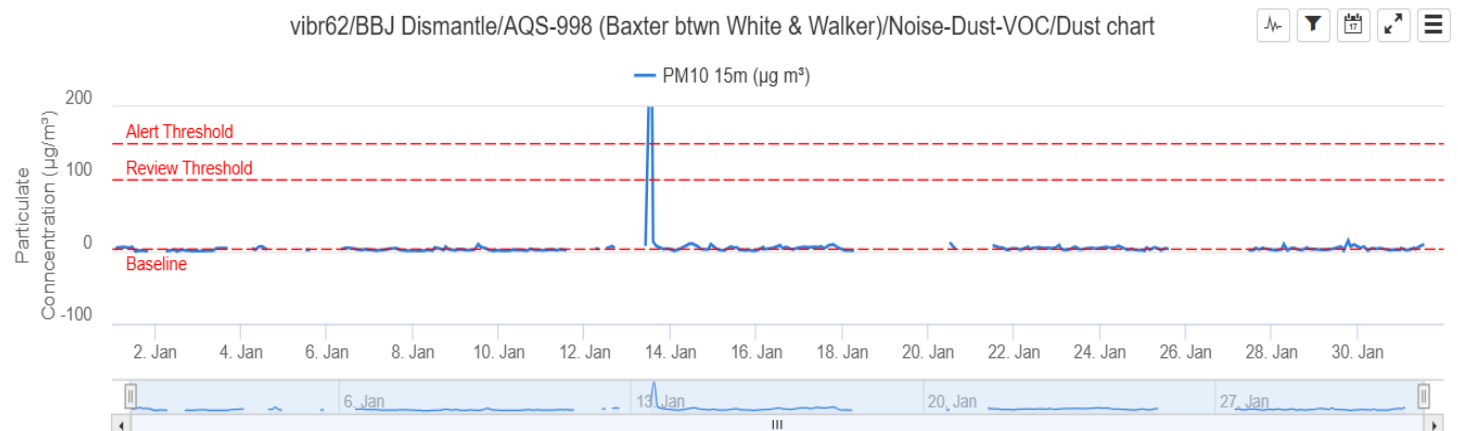
**Air Quality Systems #993 – Noise Monitoring Station – January 25:**



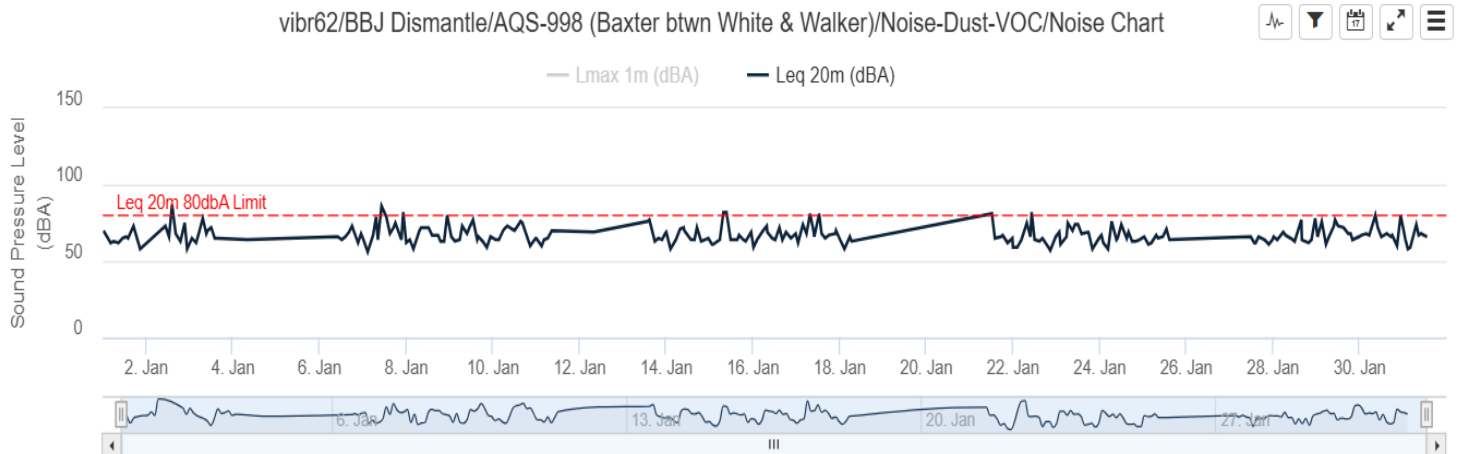
**Air Quality Systems #993 – Noise Monitoring Station (Lmax) – January 25:**



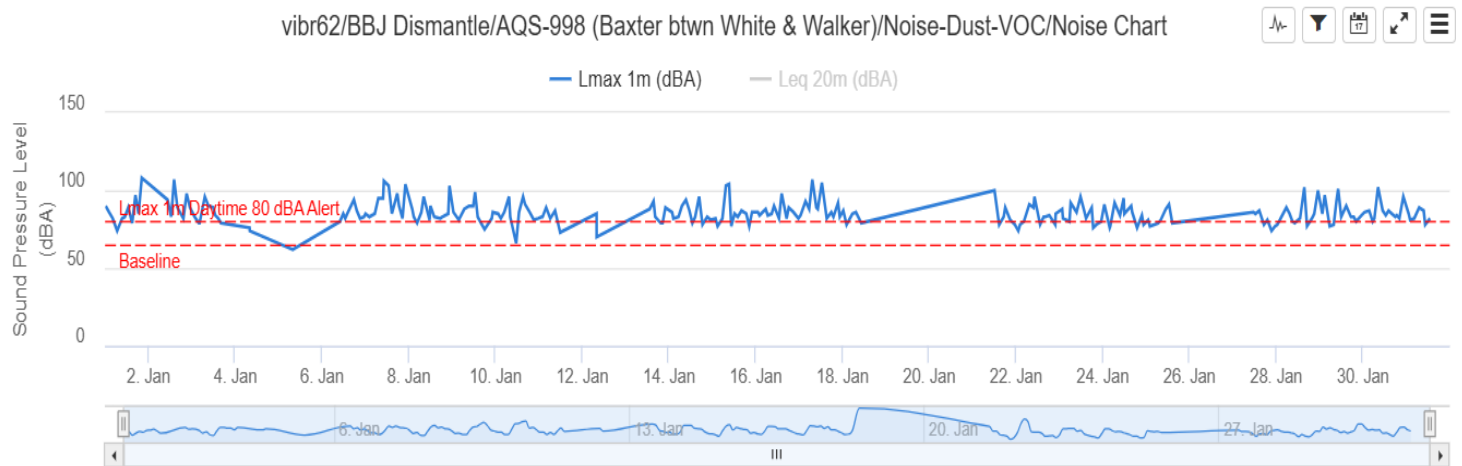
**Air Quality Systems #998 – Dust Monitoring Station – January 25:**



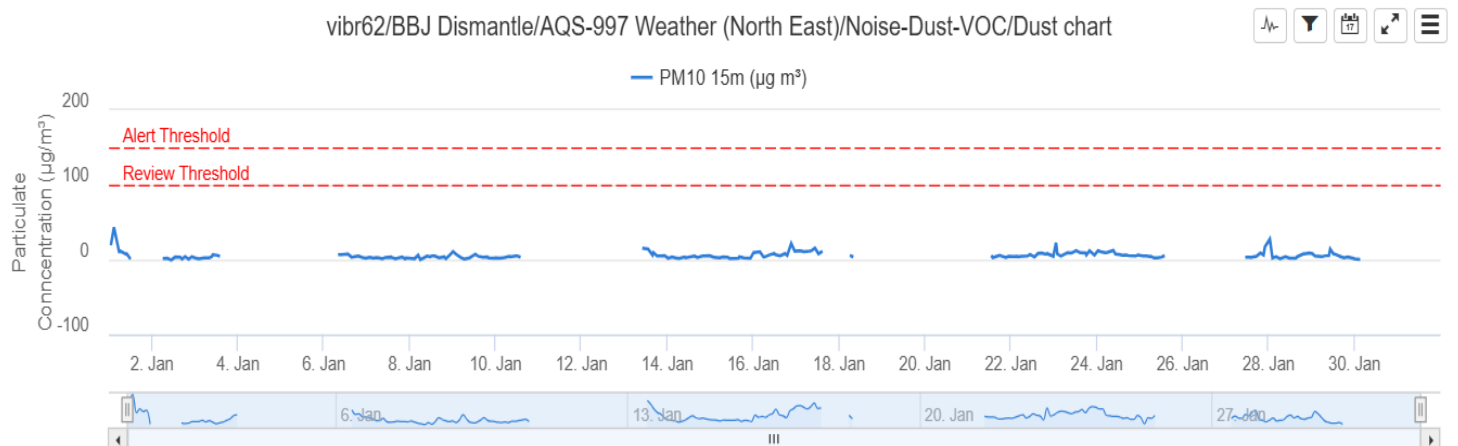
**Air Quality Systems #998 – Noise Monitoring Station – January 25:**



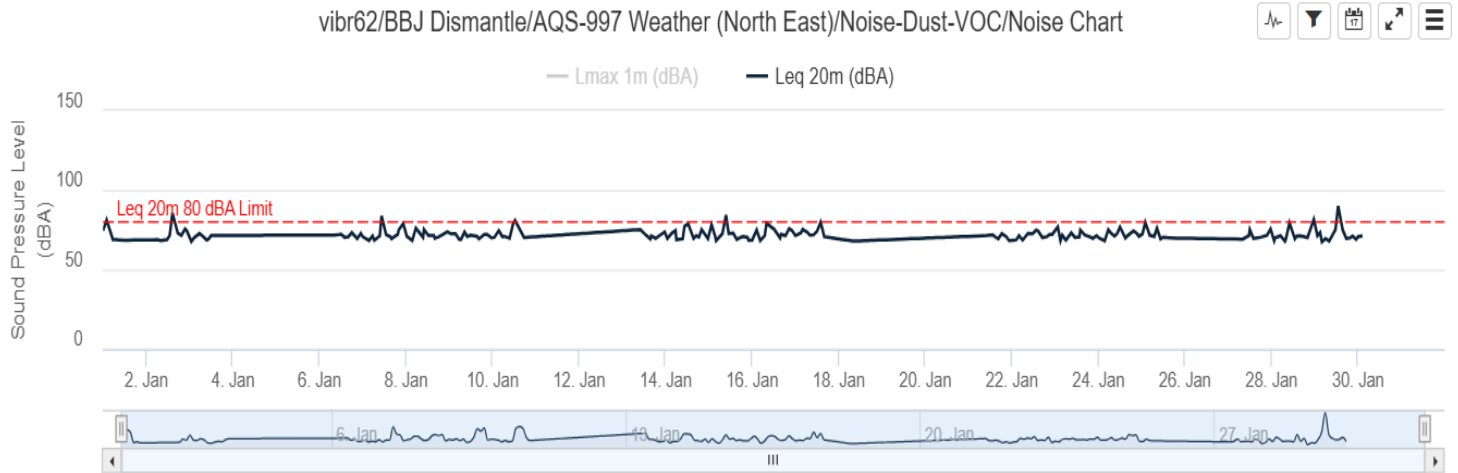
**Air Quality Systems #998 – Noise Monitoring Station (Lmax) – January 25:**



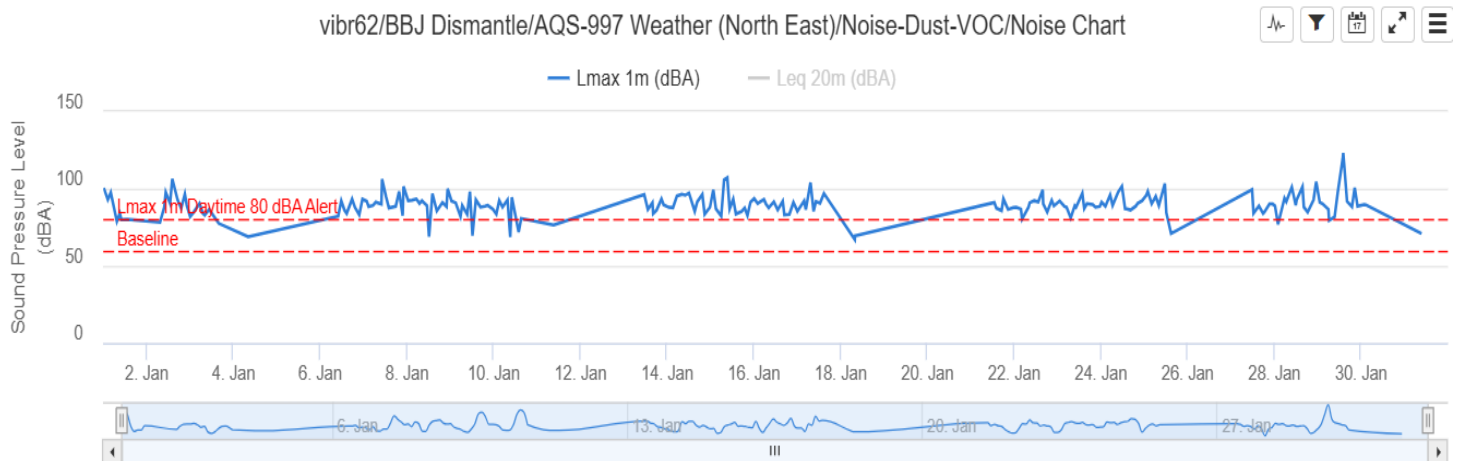
**Air Quality Systems #997 – Dust Monitoring Station – January 25**



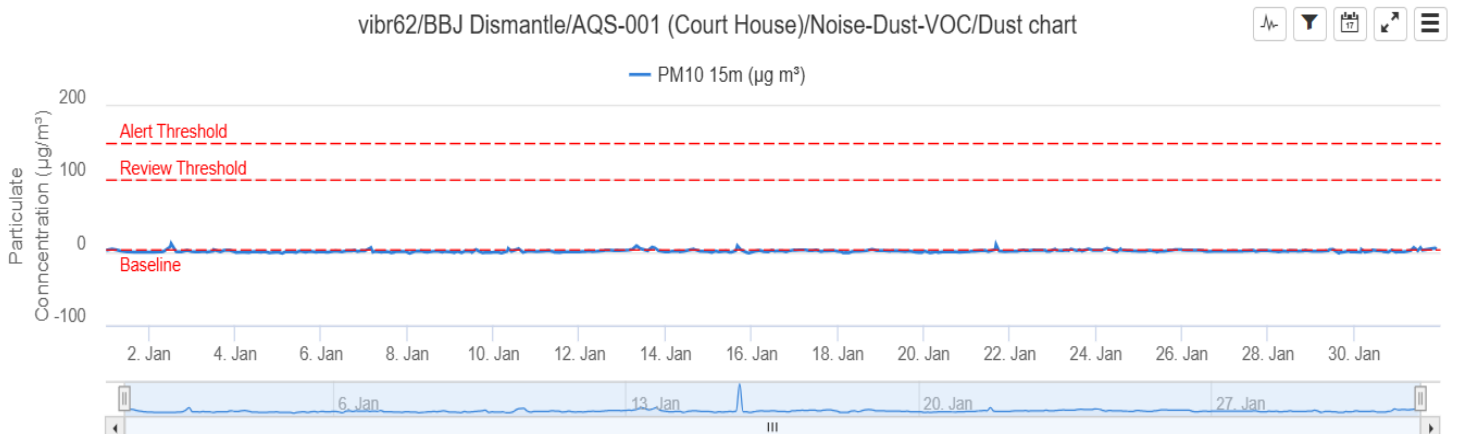
**Air Quality Systems #997 – Noise Monitoring Station – January 25:**



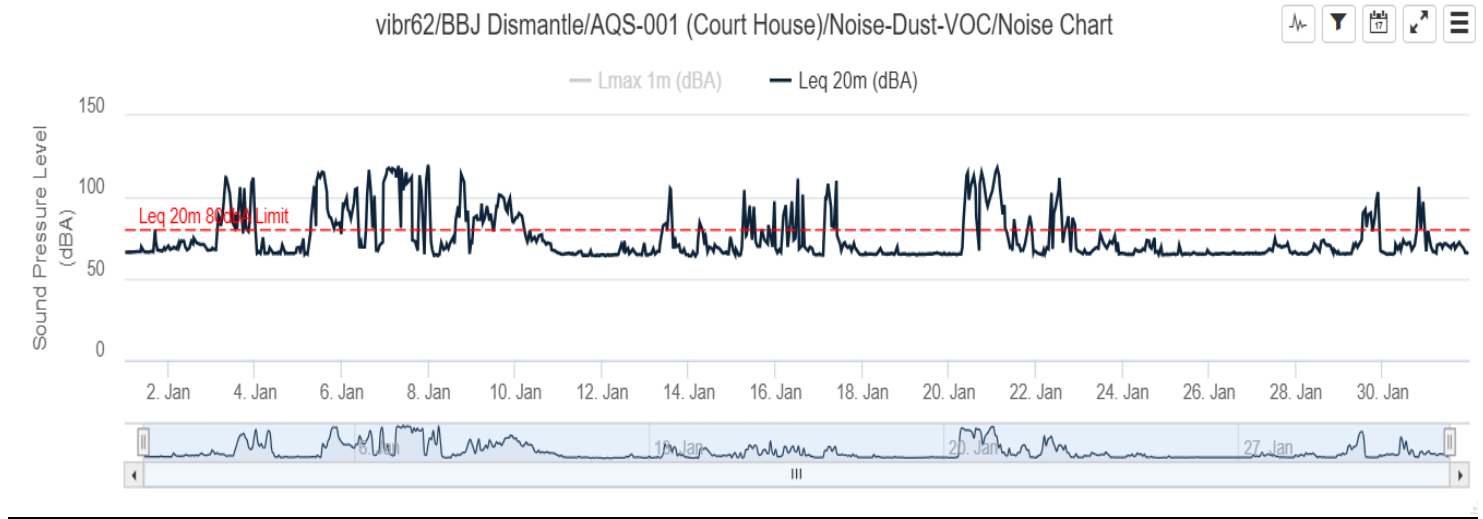
**Air Quality Systems #997 – Noise Monitoring Station (Lmax) – January 25:**



**Air Quality Systems #001 – Dust Monitoring Station – January 25:**



**Air Quality Systems #001 – Noise Monitoring Station – January 25:**



**Air Quality Systems #001 – Noise Monitoring Station (Lmax) – January 25:**

