

**AIR, NOISE AND VIBRATION
MONTHLY MONITORING REPORT
Number 024 – July 2024**

Prepared By:
Gramercy
Group Inc.

DDC. Project ID:	BBJ M DSS	Period Start: 7/01/24 End 7/31/24	
Project Name:	NYC Borough Based Jails System – Manhattan Dismantle and Swing Space		
DDC Pin No.:	8502021CR0004P-06P		
1) Community Air Monitoring Monthly Status Summary TWA – Time Weighted Average ug/m ³ - 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/m ³ 15 minute TWA)	Comments
23	31	1	During the month of July, there was 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. No construction-related exceedances were noted.
Community Air Monitoring Excursions and Corrective Actions Action Concentration = 100 ug/m ³ 15 minute TWA above background concentration Stop Work Concentration = 150 ug/m ³ 15 minute TWA above background concentration			
Date: Time	Maximum Dust Reading Before Corrective Action 15 Minute TWA (ug/m ³)	Maximum Dust Reading After Corrective Action 15 Minute TWA (ug/m ³)	Corrective Action
AQS #997 – 7/1/24 @ 8:15AM	N/A	N/A	No corrective action at this time. We are not working in this area and this reading was a monitor malfunction when starting back up after batteries were swapped.

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Narrative Summary of Air Monitoring, Excursions and Corrective Actions:

During the month of July 2024, we experienced ONE instance where the dust concentration was above threshold. In the graph below for AQS #997 you will see a big spike on July 1st. This was not caused by any construction activities and was a false reading from the unit being restarted and batteries being swapped. 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
23	31	24	During the month of July, we had 24 days with 128 total instances where we detected noise exceedances. Noise monitoring for the month of July 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 – 7/1/24 @ 8:00AM	83.3 dBA	N/A	No corrective action at this time. This was caused by DOC bus alarms / gate siren and also after working hours.
AQS #975 – 7/1/24 @ 12:00PM	84.3 dBA	N/A	No corrective action at this time. This was caused by DOC bus alarms / gate siren and also after working hours.
AQS #975 – 7/1/24 @ 3:00PM	86.4 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/1/24 @ 8:00PM	81.3 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.

AQS #975 – 7/2/24 @ 9:30AM	83.9 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/2/24 @ 12:30PM	85.5 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/2/24 @ 3:30PM	91.0 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/2/24 @ 9:00PM	81.0 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/3/24 @ 12:00PM	80.5 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/5/24 @ 8:00AM	81.7 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/8/24 @ 10:00AM	87.7 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/8/24 @ 6:30PM	85.4 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/9/24 @ 9:00AM	87.7 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/9/24 @ 12:30PM	85.4 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/10/24 @ 8:30AM	82.2 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/10/24 @ 3:00PM	84.9 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/10/24 @ 7:00PM	85.0 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/10/24 @ 9:00PM	81.8 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/11/24 @ 9:00AM	82.1 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/11/24 @ 12:00PM	85.6 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/11/24 @ 4:40PM	86.99 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/12/24 @ 6:00PM	83.6 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/12/24 @ 8:00PM	81.1 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/13/24 @ 12:00PM	83.5 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/15/24 @ 10:00AM	92.7 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.

AQS #975 – 7/15/24 @ 3:00PM	82.6 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/15/24 @ 6:00PM	88.3 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/16/24 @ 1:00AM	82.4 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/16/24 @ 9:00AM	87.5 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/16/24 @ 11:00AM	83.8 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/16/24 @ 3:00PM	89.8 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/16/24 @ 5:00PM	84.7 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/17/24 @ 1:00AM	80.8 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/17/24 @ 8:00AM	84.8 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/17/24 @ 11:00AM	86.9 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/17/24 @ 3:30PM	84.9 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/17/24 @ 5:00PM	84.6 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/18/24 @ 9:00AM	89.2 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/18/24 @ 2:00PM	84.5 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/18/24 @ 5:00PM	84.5 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/18/24 @ 8:00PM	82.6 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/19/24 @ 9:00AM	83.7 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/19/24 @ 12:00PM	82.9 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/19/24 @ 2:00PM	83.9 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/22/24 @ 10:00AM	90.6 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/22/24 @ 6:00PM	81.5 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.

AQS #975 – 7/23/24 @ 1:00AM	81.9 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/23/24 @ 11:30AM	88.8 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/23/24 @ 6:30PM	84.5 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/24/24 @ 10:00AM	89.5 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/25/24 @ 10:00AM	85.7 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/25/24 @ 2:00PM	83.4 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/25/24 @ 4:30PM	88.4 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/26/24 @ 2:00AM	89.2 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/26/24 @ 9:30AM	83.6 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/26/24 @ 1:00PM	83.8 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/26/24 @ 4:00PM	82.6 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/27/24 @ 2:30AM	82.5 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/27/24 @ 12:30PM	84.3 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/29/24 @ 10:00AM	89.6 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/29/24 @ 4:30PM	86.8 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/29/24 @ 9:00PM	85.7 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/30/24 @ 11:00AM	91.8 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/30/24 @ 4:30PM	88.4 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/31/24 @ 9:00AM	87.2 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #975 – 7/31/24 @ 3:30PM	84.3 dBA	N/A	No corrective action at this time. We are not performing work in this area. This was caused by DOC bus alarms / gate siren.
AQS #977 – 7/8/24 @ 7:00AM	91.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.

AQS #977 – 7/9/24 @ 10:00AM	83.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 7/11/24 @ 7:00PM	82.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 7/12/24 @ 5:00PM	81.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 7/13/24 @ 1:00AM	81.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 - 7/13/24 @ 7:00PM	82.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 7/15/24 @ 5:00PM	83.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 7/24/24 @ 9:00AM	81.5 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #977 – 7/24/24 @ 5:00PM	83.0 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #993 – 7/31/24 @ 2:20PM	83.5 dBA	N/A	Caused by ambulance sirens on Baxter Street.
AQS #997 – 7/1/24 @ 2:00PM	107.1 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #997 – 7/1/24 @ 4:00PM	105.5 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #997 – 7/5/24 @ 1:00AM	84.9 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #997 – 7/11/24 @ 2:00AM	95.2 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #997 – 7/12/24 @ 8:00AM	82.3 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #997 – 7/12/24 @ 9:00PM	80.3 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #997 – 7/13/24 @ 2:00AM	80.9 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #997 – 7/13/24 @ 5:00AM	84.9 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #997 – 7/13/24 @ 10:00AM	85.1 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #997 – 7/13/24 @ 7:00PM	81.8 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #997 – 7/15/24 @ 2:30AM	83.5 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #997 – 7/15/24 @ 10:30AM	80.3 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #997 – 7/16/24 @ 6:00AM	87.5 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #997 – 7/16/24 @ 12:00PM	83.8 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #997 – 7/17/24 @ 2:30 PM	95.6 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #997 – 7/19/24 @ 1:30PM	80.8 dBA	N/A	No corrective action at this time. We are not performing work in this area.
AQS #997 – 7/24/24 @ 10:00AM	89.8 dBA	N/A	The monitor was relocated to inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise.
AQS #997 – 7/24/24 @ 5:30PM	80.6 dBA	N/A	The monitor was relocated to inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise.
AQS #997 – 7/26/24 @ 2:30PM	85.9 dBA	N/A	The monitor was relocated to inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise.

AQS #997 – 7/30/24 @ 10:00AM	81.9 dBA	N/A	The monitor was relocated to inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise.
AQS #998 – 7/1/24 @ 7:20PM	90.0 dBA	N/A	After working hours and we are not performing work in this area.
AQS #998 – 7/5/24 @ 1:00AM	82.0 dBA	N/A	After working hours and we are not performing work in this area.
AQS #998 – 7/9/24 @ 4:40AM	84.0 dBA	N/A	After working hours and we are not performing work in this area.
AQS #998 – 7/16/24 @ 12:00PM	85.0 dBA	N/A	No work being performed in this area.
AQS #998 – 7/16/24 @ 2:00PM	83.0 dBA	N/A	No work being performed in this area.
AQS #998 – 7/17/24 @ 8:40PM	82.0 dBA	N/A	After working hours and we are not performing work in this area.
AQS #998 – 7/18/24 @ 3:40PM	82.0 dBA	N/A	No work being performed in this area.
AQS #998 – 7/24/24 @ 4:40AM	85.0 dBA	N/A	After working hours and we are not performing work in this area.
AQS #998 – 7/25/24 @ 2:20PM	86.0 dBA	N/A	No work being performed in this area.
AQS #998 – 7/27/24 @ 10:00AM	87.0 dBA	N/A	No work being performed in this area.
AQS #998 – 7/31/24 @ 2:00AM	87.0 dBA	N/A	After working hours and we are not performing work in this area.
AQS #998 – 7/31/24 @ 2:20PM	87.0 dBA	N/A	No work being performed in this area.
AQS #001 – 7/2/24 @ 9:40AM	80.6 dBA	78.2 dBA	Chopping concrete at 12 th floor bridge. Added foam board to bridge to mitigate the noise.
AQS #001 – 7/2/24 @ 11:00AM	83.1 dBA	73.8 dBA	Chopping concrete at 12 th floor bridge. Added additional foam board to mitigate the noise.
AQS #001 – 7/5/24 @ 9:20AM	82.4 dBA	N/A	The crew was not working yet as they were just finishing up coffee break. This noise was generated from activities inside of the courthouse.
AQS #001 – 7/8/24 @ 2:40PM	81.5 dBA	76.1 dBA	Put up more foam to continue to mitigate noise as we dismantled the 12 th floor bridge.
AQS #001 – 7/9/24 @ 12:00PM	81.9 dBA	N/A	The crew was down from the South Tower for lunch. Noise caused from activities inside of the courthouse.
AQS #001 – 7/9/24 @ 3:20PM	86.7 dBA	76.3 dBA	Chopping concrete at 12 th floor bridge. Foam and sound blanket added to the working area to mitigate noise.
AQS #001 – 7/10/24 @ 2:40PM	87.6 dBA	74.7 dBA	Chopping concrete at 12 th floor bridge. Foam and additional sound blanket added to the working area to mitigate noise.
AQS #001 – 7/11/23 @ 9:40AM	85.8 dBA	77.3 dBA	Chopping concrete at 12 th floor bridge. Adjusted location of Brokk to add more noise protection.
AQS #001- 7/11/24 @ 2:20PM	82.7 dBA	N/A	This noise was caused by activities inside of the courthouse.
AQS #001- 7/11/24 @ 5:20PM	81.5 dBA	N/A	This noise was caused by activities inside of the courthouse.
AQS #001- 7/15/24 @ 9:40AM	80.2 dBA		This noise was caused by activities inside of the courthouse.
AQS #001- 7/15/24 @ 6:00PM	80.2 dBA	N/A	This noise was caused by activities inside of the courthouse.
AQS #001- 7/17/24 @ 12:00PM	84.3 dBA	N/A	The crew was down from the South Tower for lunch. Noise caused from activities inside of the courthouse.
AQS #001- 7/23/24 @ 2:40PM	82.7 dBA	N/A	This noise was caused by activities inside of the courthouse.
AQS #001- 7/24/24 @ 4:40PM	84.5 dBA	N/A	This noise was caused by activities inside of the courthouse.

AQS #001- 7/30/24 @ 8:00AM	80.3 dBA	N/A	This noise was caused by activities inside of the courthouse.
AQS #001- 7/30/24 @ 12:20PM	80.5 dBA	N/A	The crew was down from the South Tower for lunch. Noise caused from activities inside of the courthouse.
AQS #001- 7/31/24 @ 11:00AM	82.2 dBA	N/A	This noise was caused by activities inside of the courthouse.
AQS #001- 7/31/23 @ 2:40PM	83.7 dBA	N/A	This noise was caused by activities inside of the courthouse.

Narrative Summary of Noise Monitoring, Excursions and Corrective Actions:

During the month of July 2024, the monitors were set back to the original threshold of 80.0 dBA as requested by the PMC team. Previously it was agreed to increase the threshold 10.0 dBA to combat the false readings and alerts from the highly populated, congested, and noisy area of lower Manhattan. Due to this adjustment, there were a total of 128 alerts on 24 separate days with instances of noise level exceedances. Out of the 128 alerts we received, 6 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. Please note that AQS #997 was relocated due to revised site conditions at DDC request from the corner of Baxter and Walker Street to be closer to the working area on July 22nd. This monitor is now located within the site fence along Baxter Street. Even with this monitor being located closer to the work and inside of our site you will notice the noise levels were even greater when the monitor was located further from the site just due to community noise levels. AQS #977 was also relocated on July 31st to accommodate for the revised site condition due to the removal of North Tower Centre Street sidewalk shed. You will also see some gaps, typically on weekends when no work was being performed, in data which are due to maintenance or batteries being swapped. Overall, the noise levels for an A-weighted average 8-hour workday were below the threshold for each day of the month of July 2024 in areas work was being performed.

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
23	31	1	During the month of July 2024, we experienced one instance where we received alerts. Below will be explanations of the exceedances. 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 – 7/16/24 @ 12:50PM	7.559 (in/sec)	N/A	No corrective action at this time. This is the monitor in the Criminal Justice Agency (CJA) space where it gets bumped by foot traffic. This was not caused by construction activity.

Narrative Summary of Vibration Monitoring, Excursions and Corrective Actions:

During the Month of July 2024, there was 1 vibration exceedance from R14 which was not caused by construction activities. Explanations for the alerts are shown above. 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.

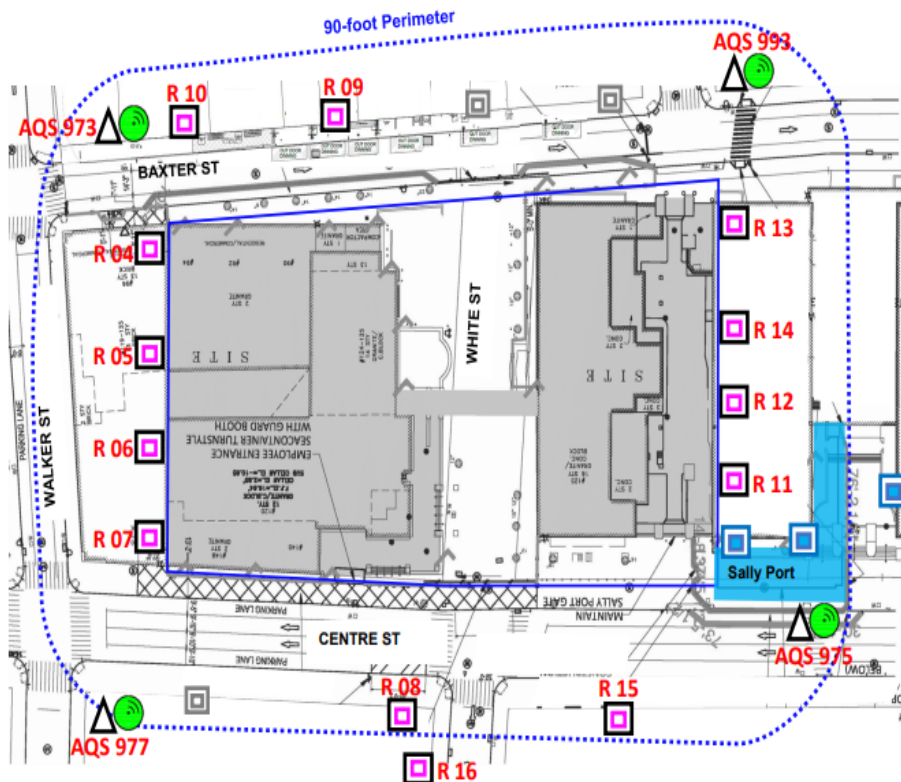
ATTACHMENTS:

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

Glossary of Terms	
Terms	Descriptions
<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 Lmax1min (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 Lmax1min 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

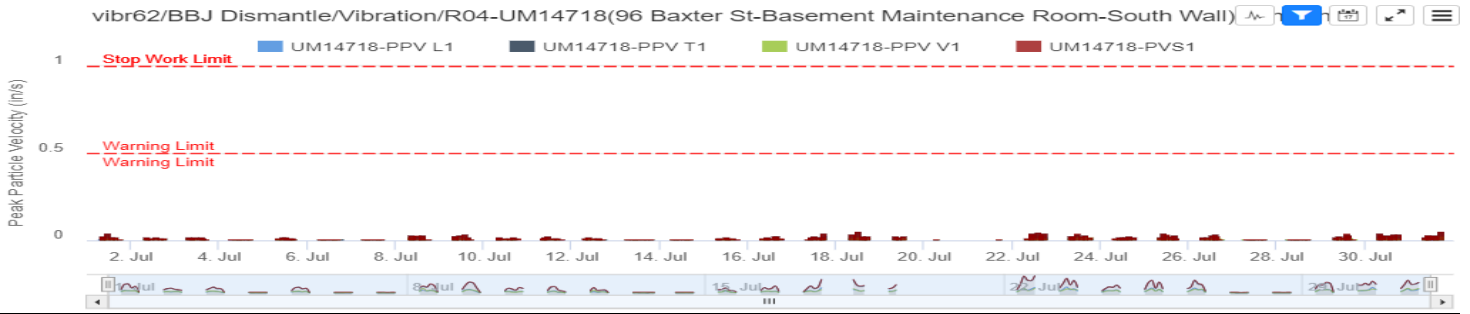


* Dismantle project vibration, air and noise monitoring devices are installed by Design-Build team in Phase 2, after sally port construction. A vibration monitoring station was installed in the DCTV Fire house at 87 Lafayette St.

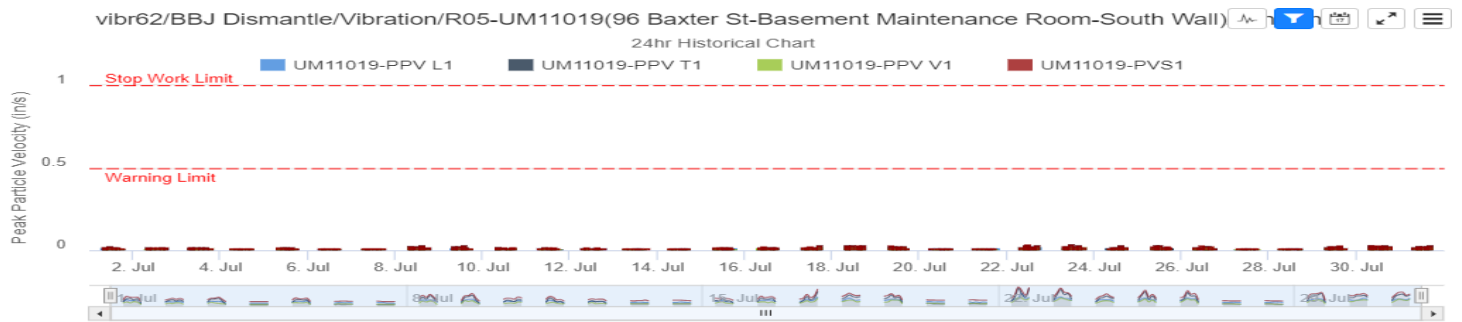
* The location of monitoring stations presented is referential. Air/Noise Monitoring station located in Sally Port area will be relocated in Phase 2.

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

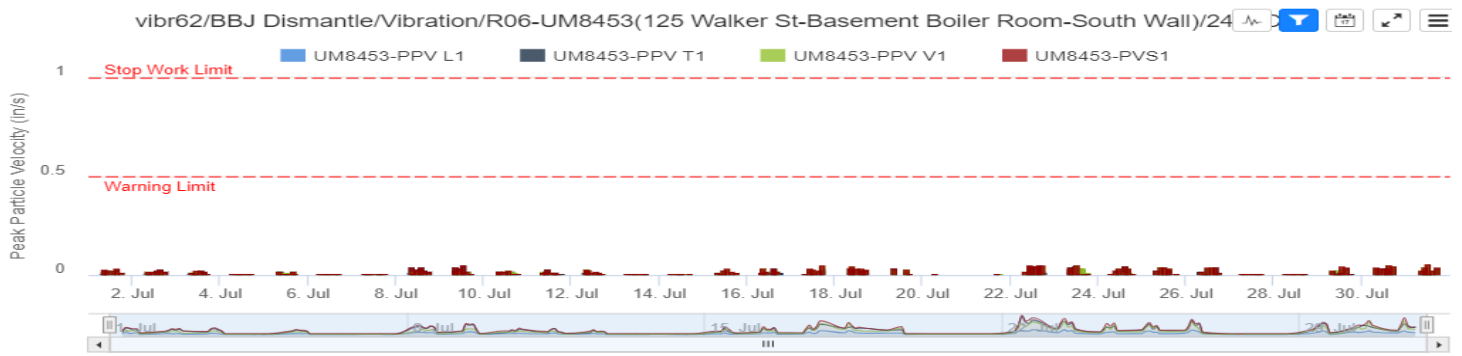
Vibration Monitor – (R04) July 24:



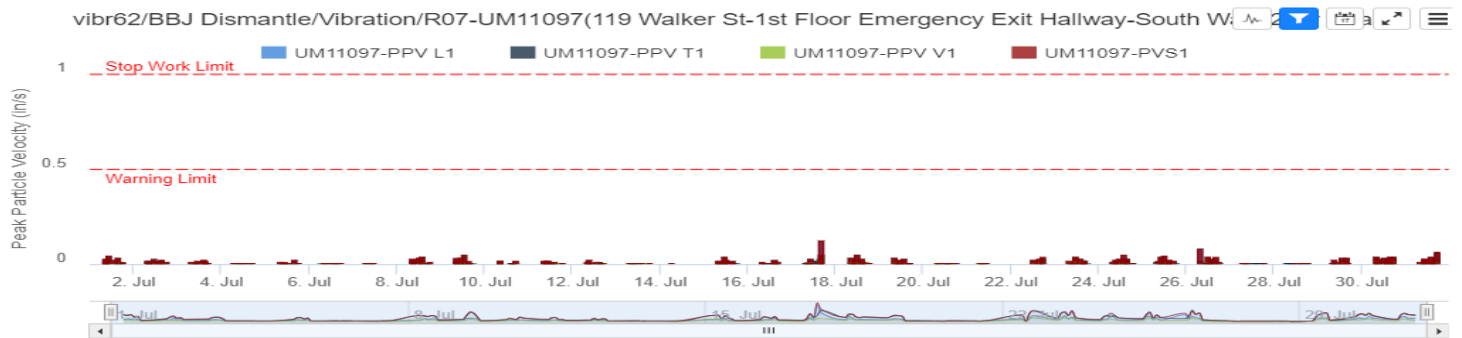
Vibration Monitor – (R05) July 24:



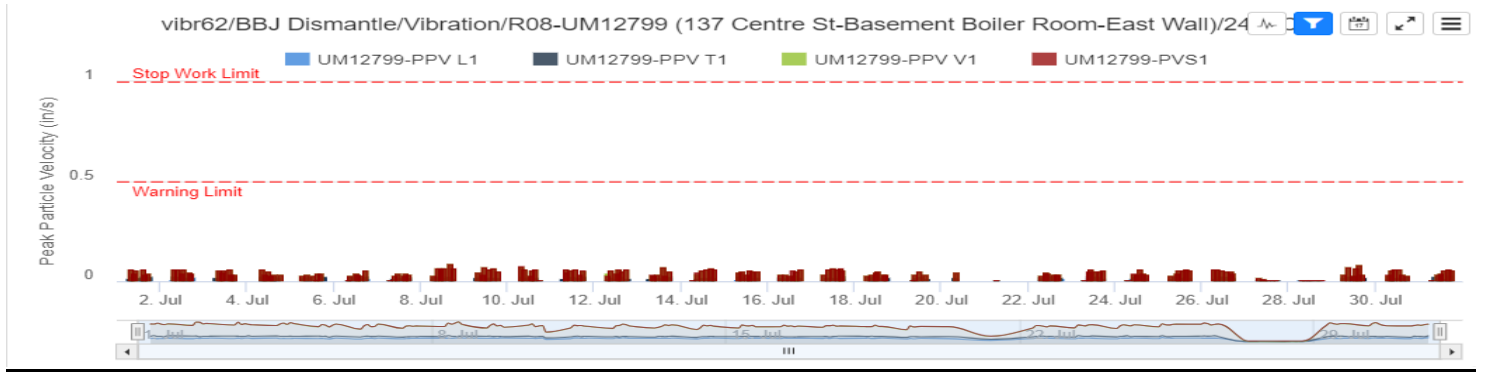
Vibration Monitor – (R06) July24:



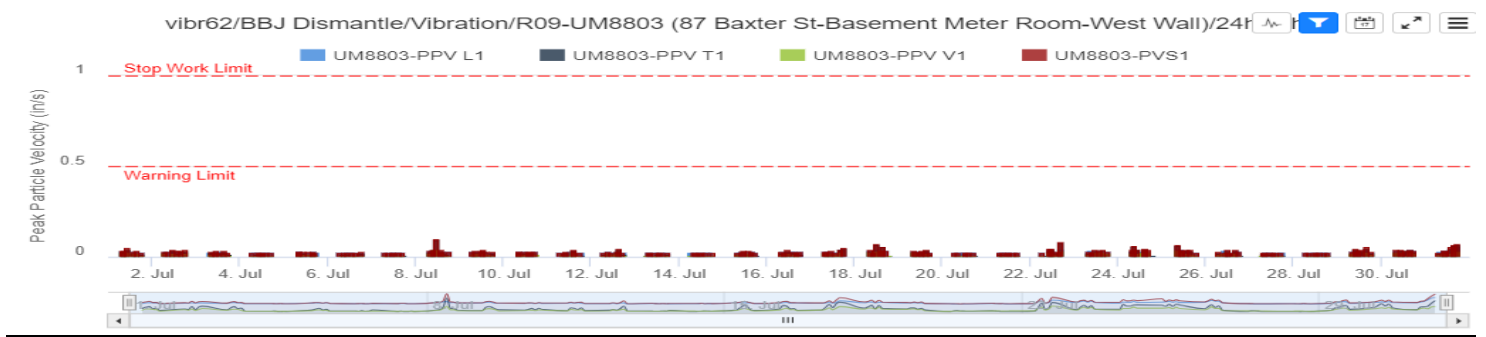
Vibration Monitor – (R07) July 24:



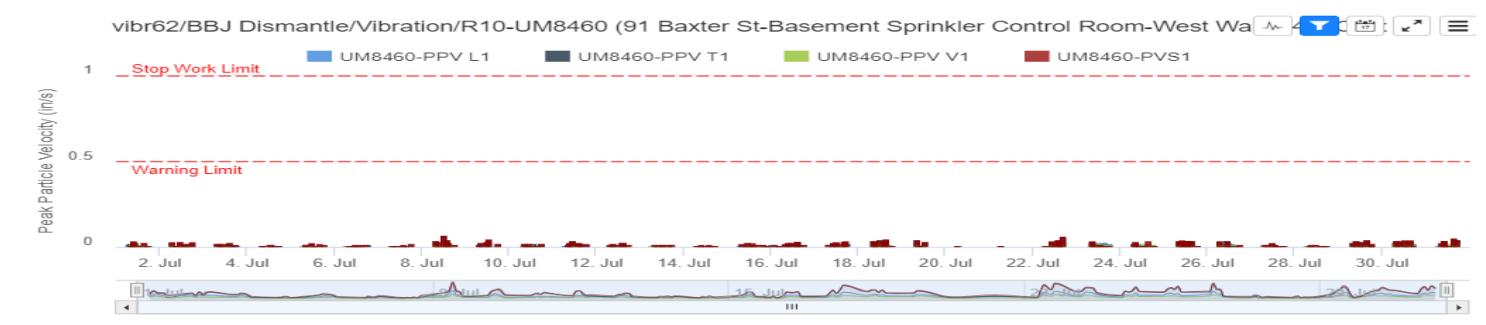
Vibration Monitor – (R08) July 24:



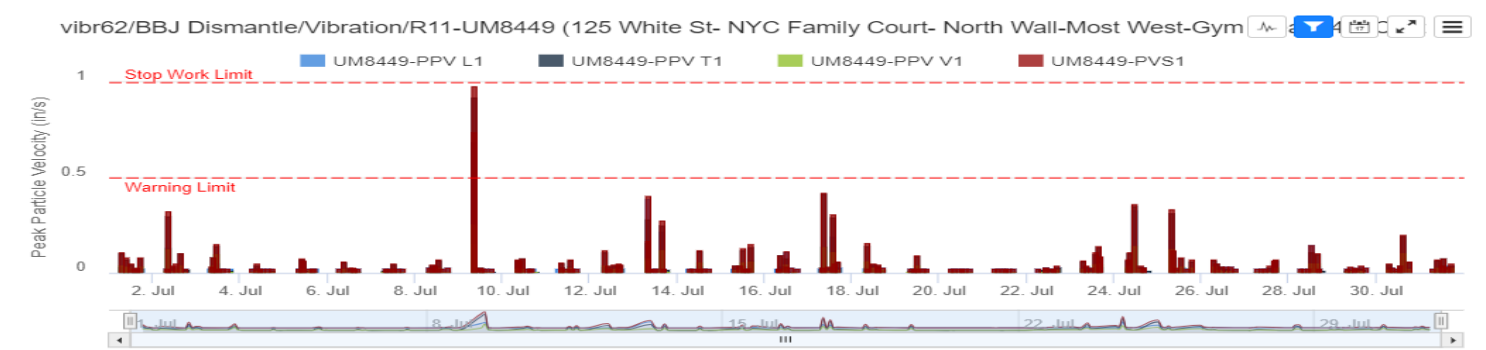
Vibration Monitor – (R09) July 24:



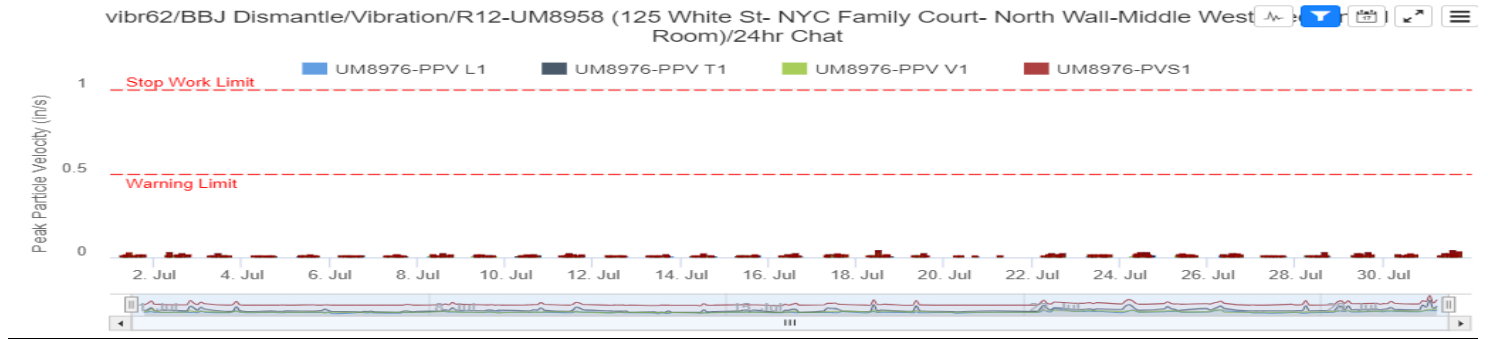
Vibration Monitor – (R10) July 24:



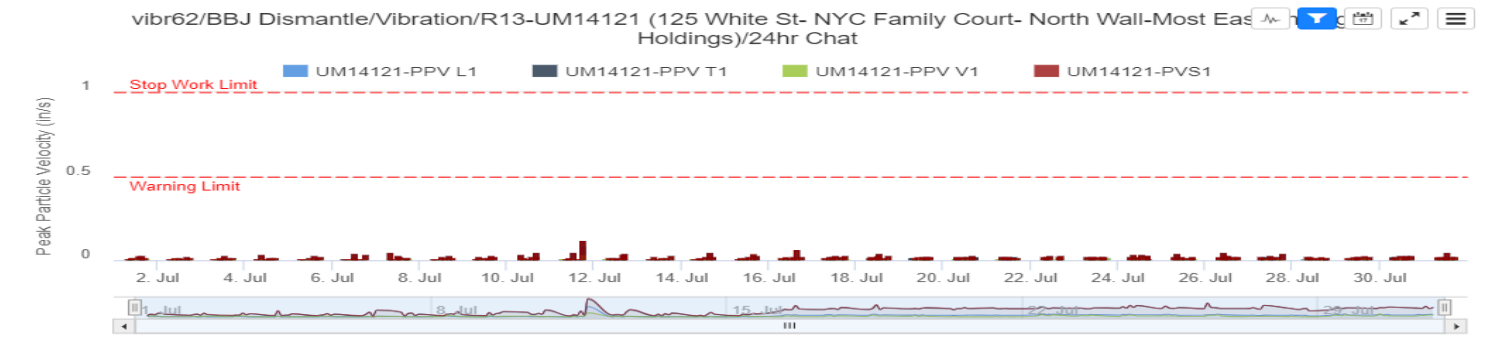
Vibration Monitor – (R11) July 24:



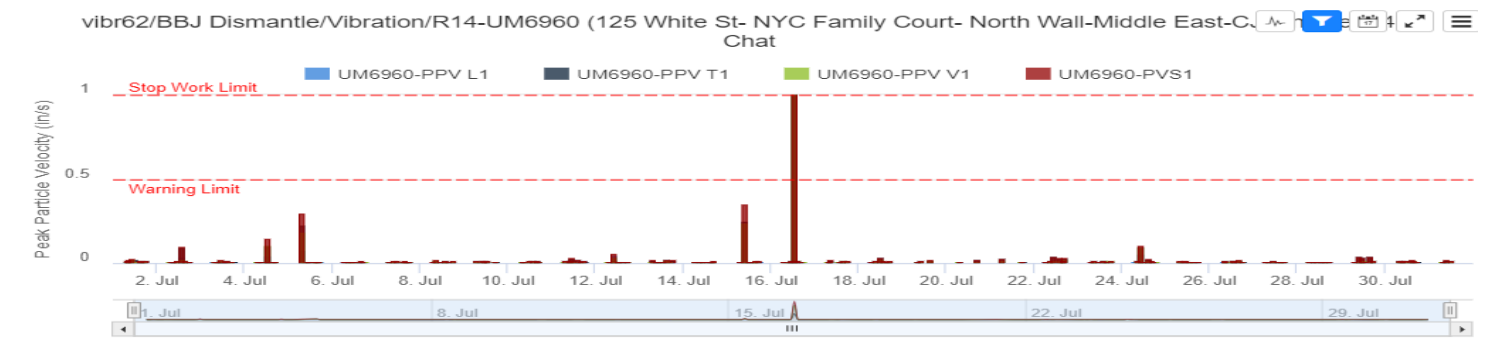
Vibration Monitor – (R12) July 24:



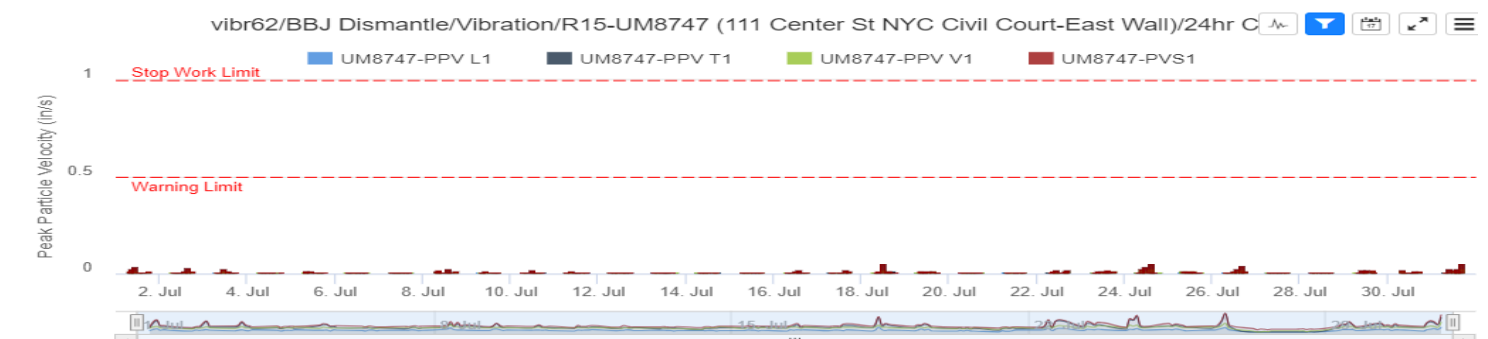
Vibration Monitor – (R13) July 24:



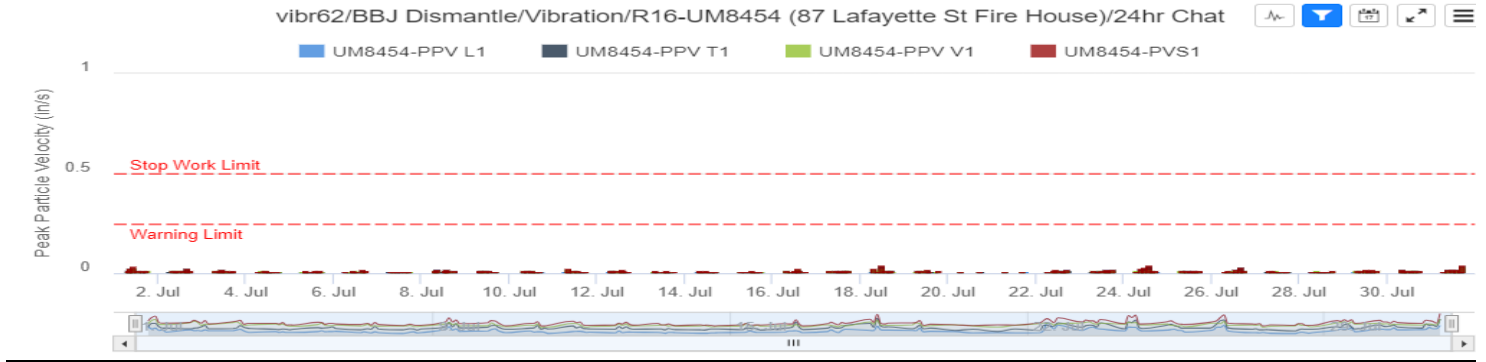
Vibration Monitor – (R14) July 24:



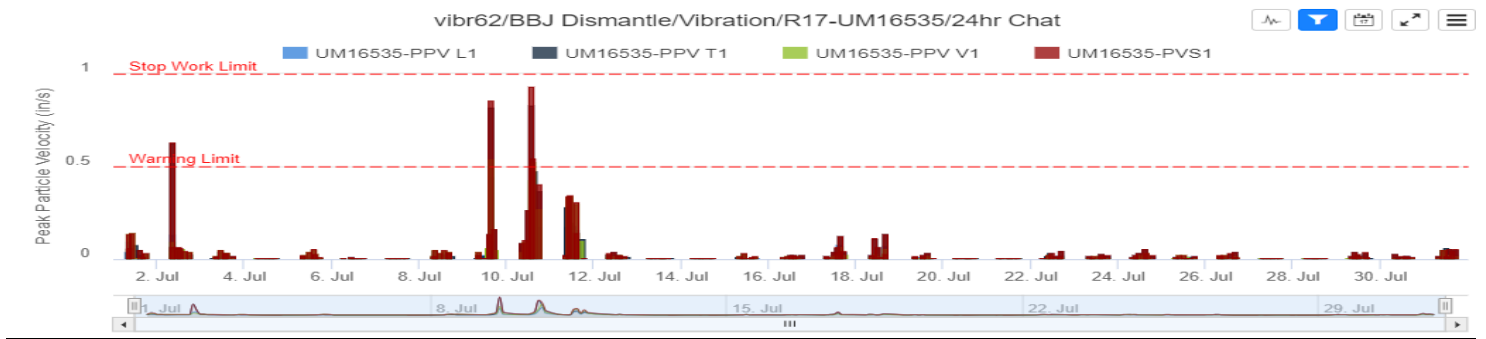
Vibration Monitor – (R15) July 24:



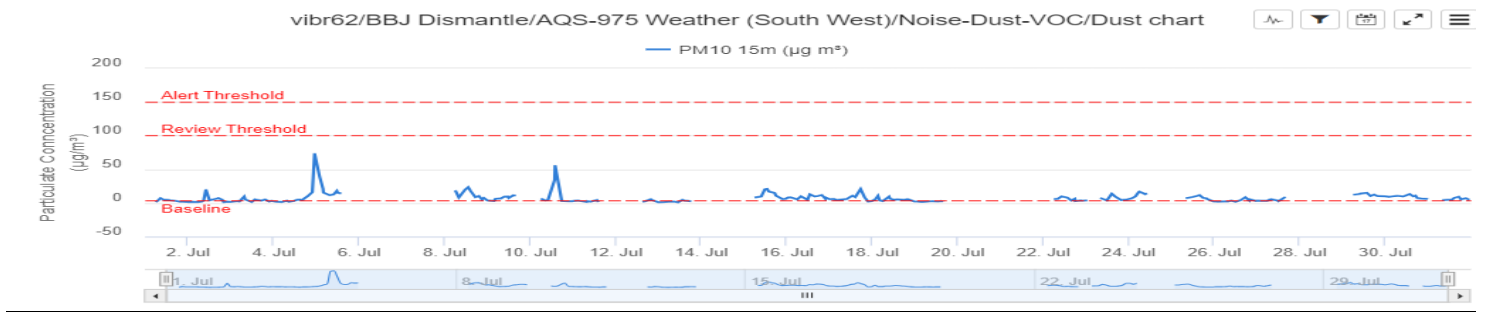
Vibration Monitor – (R16) July 24:



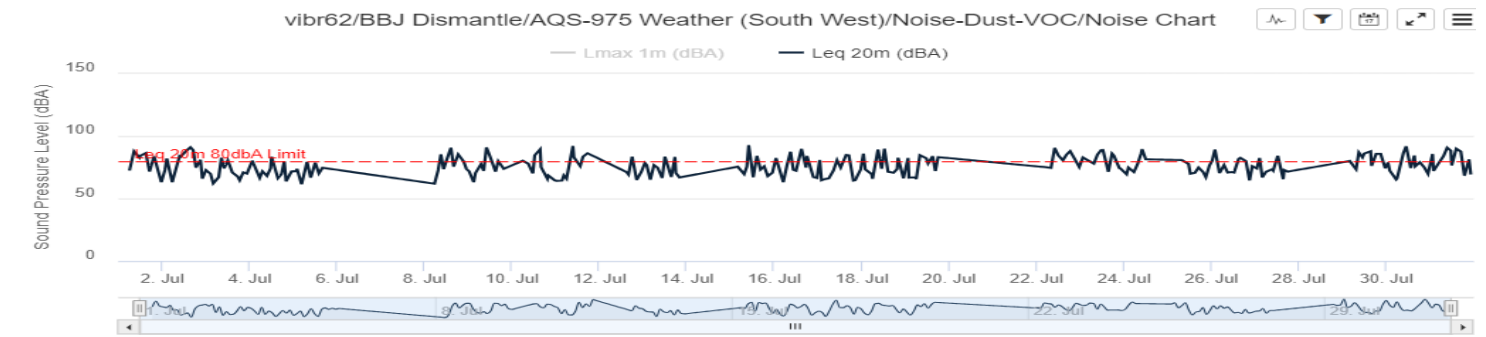
Vibration Monitor – (R17) July 24:



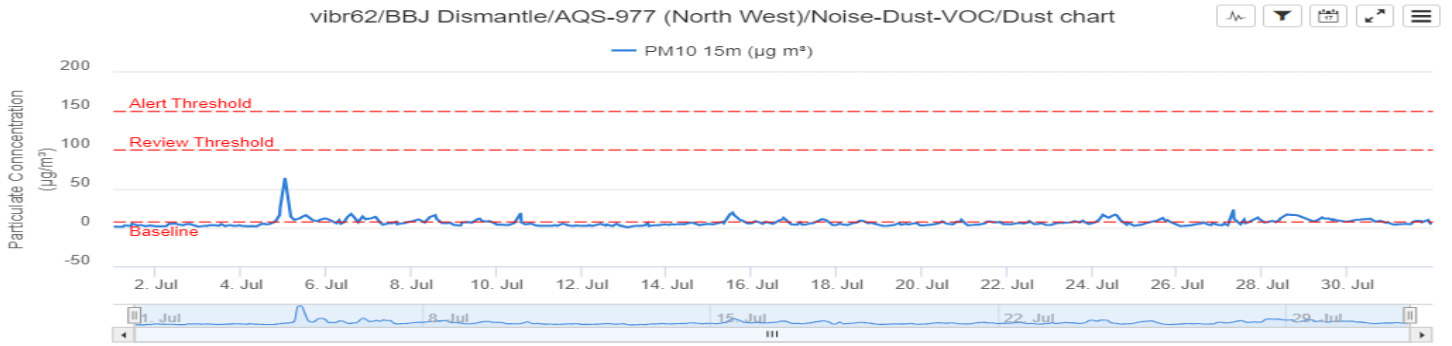
Air Quality Systems #975 – Dust Monitoring Station – July 24:



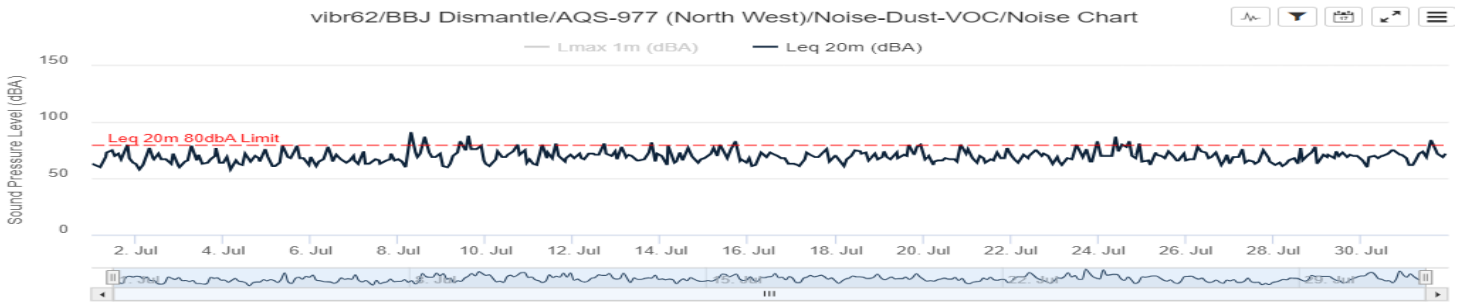
Air Quality Systems #975 – Noise Monitoring Station – July 24:



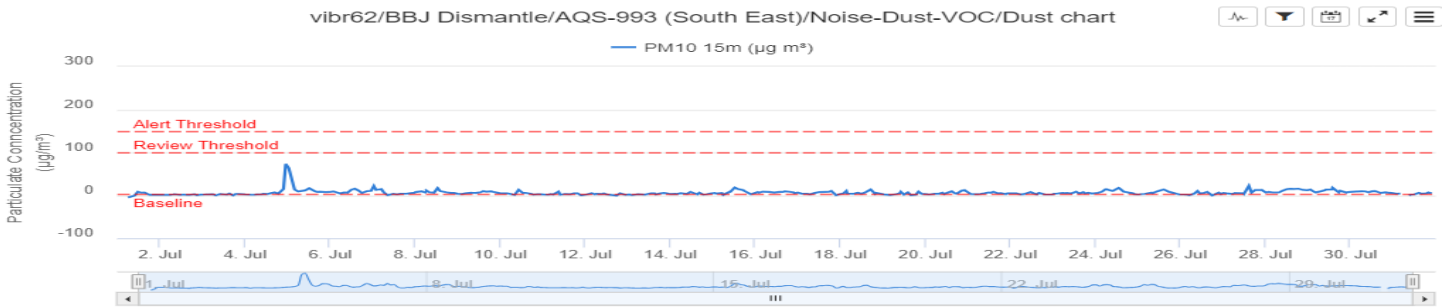
Air Quality Systems #977 – Dust Monitoring Station – July 24:



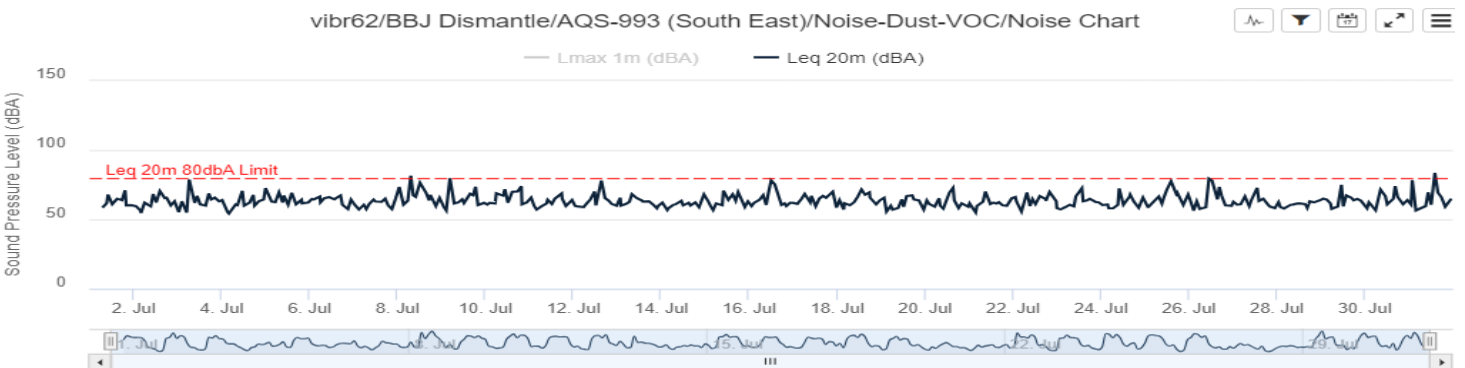
Air Quality Systems #977 – Noise Monitoring Station – July 24:



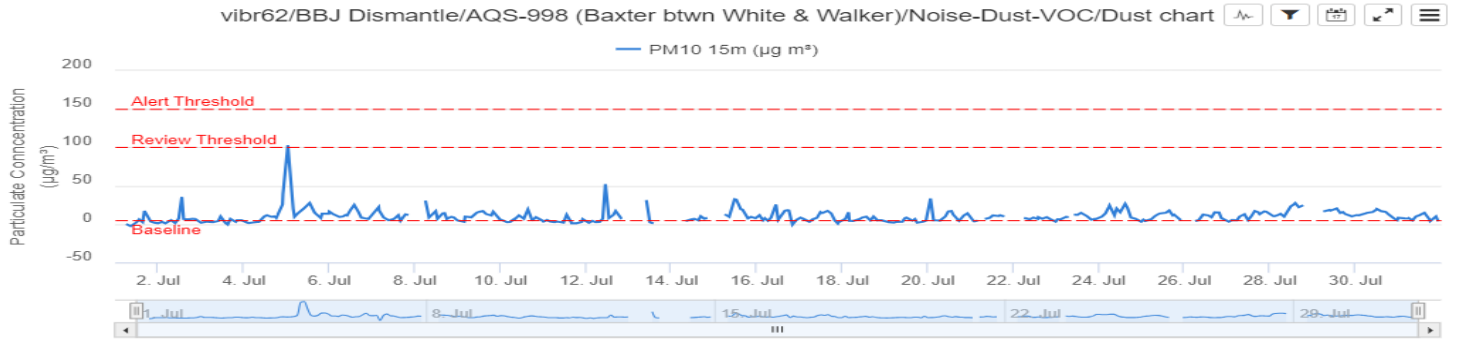
Air Quality Systems #993 – Dust Monitoring Station – July 24:



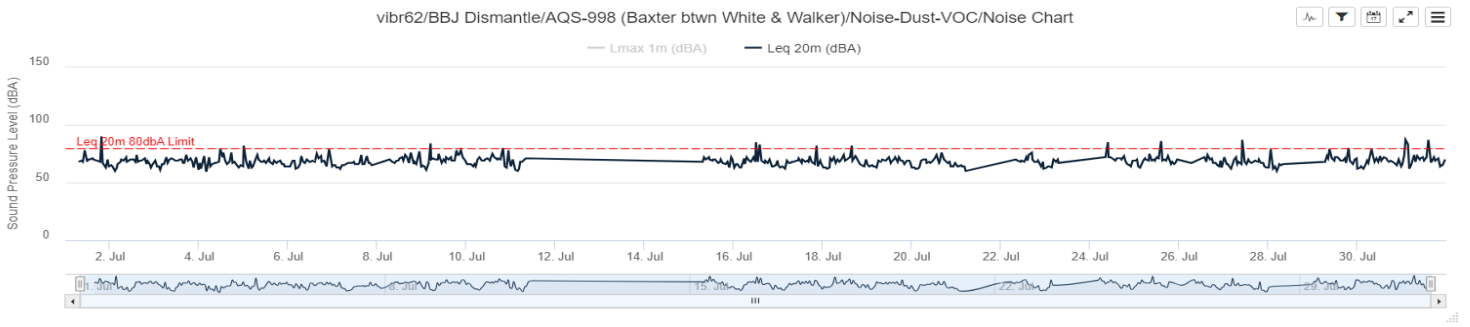
Air Quality Systems #993 – Noise Monitoring Station – July 24:



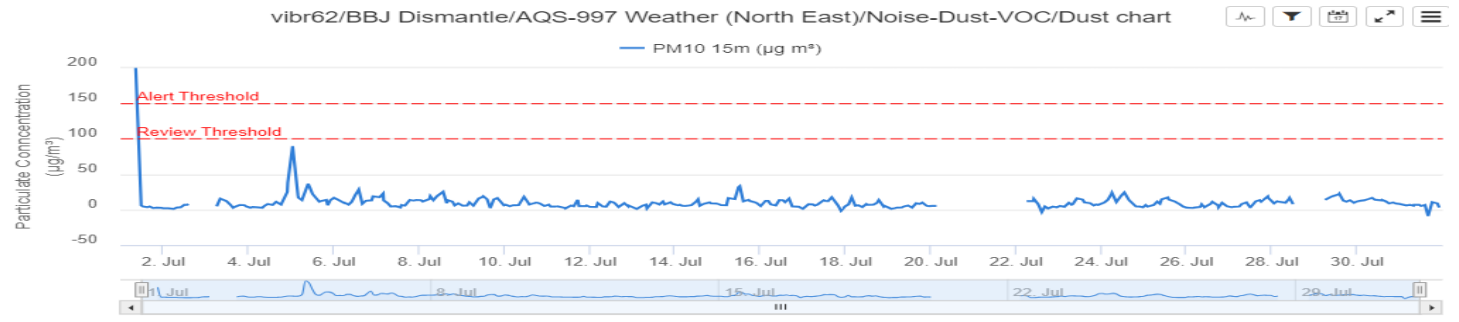
Air Quality Systems #998 – Dust Monitoring Station – July 24:



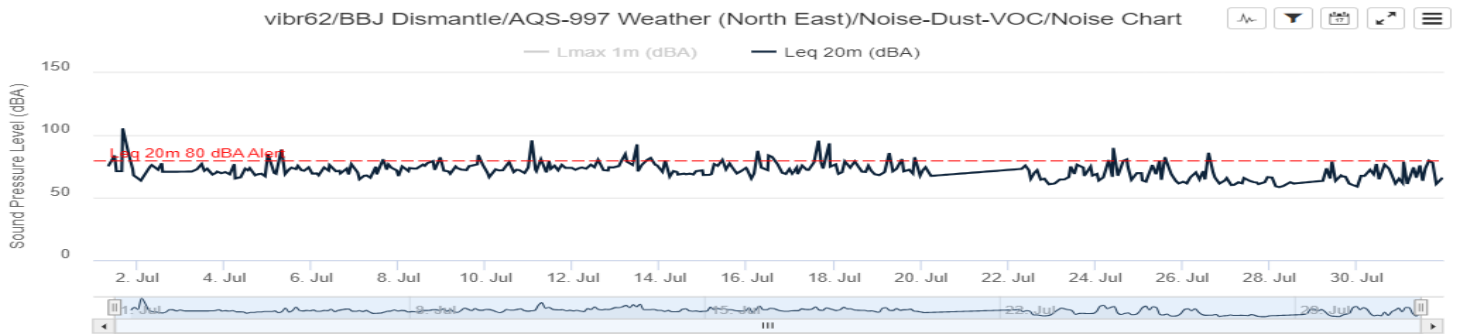
Air Quality Systems #998 – Noise Monitoring Station – July 24:



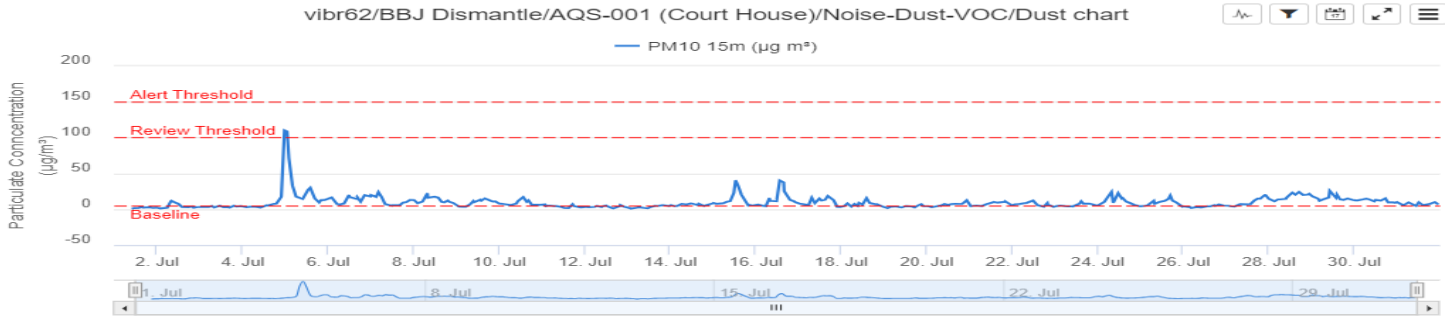
Air Quality Systems #997 – Dust Monitoring Station – July 24:



Air Quality Systems #997 – Noise Monitoring Station – July 24:



Air Quality Systems #001 – Dust Monitoring Station – July 24:



Air Quality Systems #001 – Noise Monitoring Station – July 24:

