



Narrative Summary of Air Monitoring, Excursions and Corrective Actions:			
<p>During the month of September 2024, we experienced ZERO instances 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.</p> <p>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.</p>			
<b>2) Community Noise Monitoring Monthly Summary</b>			
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	30	30	During the month of September, we had 30 days with 125 total instances where we detected noise exceedances. Noise monitoring for the month of September was continued everyday throughout the week, and even on weekends.
<b>Community Noise Monitoring Excursions and Corrective Actions</b>			
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 – 9/01/24 @ 1:00PM	81.1 dBA	N/A	No corrective action at this time. This was caused by DOC bus alarms / gate siren.
AQS #975 – 9/03/24 @ 5:30AM	82.3 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/03/24 @ 3:00PM	87.8 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 – 9/03/24 @ 9:30PM	82.6 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/04/24 @ 9:30AM	90.9 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 – 9/04/24 @ 4:00PM	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 – 9/04/24 @ 10:00PM	84.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/05/24 @ 11:00AM	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 – 9/05/24 @ 3:30PM	83.1 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 – 9/06/24 @ 3:30PM	84.2 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 – 9/06/24 @ 6:30PM	87.5 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/07/24 @ 1:30AM	80.6 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/09/24 @ 9:30AM	80.3 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 – 9/09/24 @ 3:30PM	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 – 9/09/24 @ 7:30PM	82.7 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/10/24 @ 1:00AM	81.6 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/10/24 @ 8:30AM	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 – 9/10/24 @ 7:00PM	82.9 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/11/24 @ 10:00AM	88.9 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 – 9/11/24 @ 3:30PM	88.2 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 – 9/11/24 @ 9:00PM	82.7 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/12/24 @ 1:00AM	82.6 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/12/24 @ 12:00PM	87.08 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 – 9/13/24 @ 9:00AM	82.7 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 – 9/13/24 @ 3:00PM	82.3 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 – 9/16/24 @ 10:30AM	89.7 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 – 9/16/24 @ 5:00PM	85.9 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 – 9/16/24 @ 8:00PM	82.4 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/17/24 @ 10:30PM	86.9 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/17/24 @ 6:00PM	86.3 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/18/24 @ 11:00AM	93.2 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 – 9/19/24 @ 1:00AM	82.6 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/19/24 @ 4:30PM	92.9 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 – 9/20/24 @ 8:30AM	82.3 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 – 9/20/24 @ 5:30PM	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 – 9/20/24 @ 10:30PM	83.9 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/21/24 @ 12:00PM	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 – 9/23/24 @ 8:00AM	88.9 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 – 9/23/24 @ 5:30AM	85.5 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/24/24 @ 12:00PM	84.4 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 – 9/24/24 @ 9:00PM	83.8 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/25/24 @ 8:00AM	86.7 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 – 9/25/24 @ 1:30PM	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 – 9/26/24 @ 1:30AM	80.7 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/26/24 @ 5:00PM	80.3 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 – 9/26/24 @ 8:00PM	86.5 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/27/24 @ 9:30AM	88.2 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 – 9/27/24 @ 12:30PM	89.1 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 – 9/27/24 @ 5:30PM	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 – 9/27/24 @ 9:30PM	83.8 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/28/24 @ 1:00AM	88.8 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #975 – 9/30/24 @ 3:30PM	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 – 9/30/24 @ 6:30PM	86.2 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 9/03/24 @ 9:00AM	85.0 dBA	N/A	No corrective action at this time. We are not performing demolition work in this area.
AQS #977 – 9/03/24 @ 3:30PM	83.0 dBA	N/A	No corrective action at this time. We are not

			performing demolition work in this area.
AQS #977 – 9/04/34 @ 2:00AM	88.0 dBA	N/A	No corrective action at this time. This was after working hours
AQS #977 – 9/04/24 @ 9:30AM	87.0 dBA	N/A	No corrective action at this time. We are not performing demolition work in this area.
AQS #977 –9/05/24 @ 2:00AM	88.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 9/05/24 @ 7:00AM	87.0 dBA	N/A	No corrective action at this time. We are not performing demolition work in this area.
AQS #977 – 9/05/24 @ 10:30PM	96.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 9/06/24 @ 10:00PM	94.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 9/07/24 @ 2:00AM	97.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 9/07/24 @ 10:00AM	95.0 dBA	N/A	No corrective action at this time. We are not performing demolition work in this area.
AQS #977 – 9/07/24 @ 10:00PM	87.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 9/08/24 @ 4:30PM	84.0 dBA	N/A	No corrective action at this time. We are not performing demolition work in this area.
AQS #977 – 9/09/24 @ 11:30AM	82.0 dBA	N/A	No corrective action at this time. We are not performing demolition work in this area.
AQS #977 – 9/10/24 @ 11:30AM	85.0 dBA	N/A	No corrective action at this time. We are not performing demolition work in this area.
AQS #977 – 9/10/24 @ 6:30PM	93.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 9/11/24 @ 1:00AM	94.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 9/11/24 @ 10:00AM	84.0 dBA	N/A	No corrective action at this time. We are not performing demolition work in this area.
AQS #977 – 9/12/24 @ 3:30PM	82.0 dBA	N/A	No corrective action at this time. We are not performing demolition work in this area.
AQS #977 - 9/13/24 @ 3:00PM	82.0 dBA	N/A	No corrective action at this time. We are not performing demolition work in this area.
AQS #977 – 9/14/24 @ 4:30PM	83.0 dBA	N/A	No corrective action at this time. We are not performing demolition work in this area.
AQS #977 – 9/17/24 @ 10:00AM	96.0 dBA	N/A	No corrective action at this time. We are not performing demolition work in this area.
AQS #977 – 9/18/24 @ 2:00PM	82.0 dBA	N/A	No corrective action at this time. We are not performing demolition work in this area.
AQS #977 – 9/21/24 @ 12:30AM	84.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977 – 9/22/24 @ 4:00PM	81.0 dBA	N/A	No corrective action at this time. We are not performing demolition work in this area.
AQS #977 – 9/24/24 @ 4:00PM	83.0 dBA	N/A	No corrective action at this time. We are not performing demolition work in this area.
AQS #977 – 9/24/24 @ 10:30PM	82.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #977– 9/27/24 @ 12:30PM	85.0 dBA	N/A	No corrective action at this time. We are not performing demolition work in this area.
AQS #977 – 9/28/24 @ 6:00PM	82.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #993 – 9/02/24 @ 2:40AM	80.3 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #993 – 9/20/24 @ 12:40PM	83.5 dBA	66.2 dBA	Closed roll up gate on Baxter Street to lessen the noise output from demolition in the existing sallyport.
AQS #997 – 9/03/24 @ 10:30AM	83.6 dBA	73.8 dBA	The monitor was relocated to the inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise. We moved further

			away from this area with the machine to load to avoid adding noise to the loud area on Baxter Street
AQS #997 – 9/05/24 @ 11:00AM	81.2 dBA	64.1 dBA	The monitor was relocated to the inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise. We moved further away from this area with the machine to load to avoid adding noise to the loud area on Baxter Street.
AQS #997 – 9/05/24 @ 3:00PM	81.0 dBA	60.3 dBA	The monitor was relocated to the inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise. We moved further away from this area with the machine to load to avoid adding noise to the loud area on Baxter Street
AQS #997 – 9/06/24 @ 2:00PM	80.5 dBA	56.0 dBA	The monitor was relocated to the inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise. We moved further away from this area with the machine to load to avoid adding noise to the loud area on Baxter Street.
AQS #997 – 9/10/24 @ 3:00PM	81.9 dBA	75.3 dBA	The monitor was relocated to the inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise. We moved further away from this area with the machine to load to avoid adding noise to the loud area on Baxter Street
AQS #997 – 9/11/24 @ 2:30PM	80.3 dBA	69.2 dBA	The monitor was relocated to the inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise. We moved further away from this area with the machine to load to avoid adding noise to the loud area on Baxter Street
AQS #997 – 9/12/24 @ 4:00PM	81.2 dBA	77.1 dBA	The monitor was relocated to the inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise. We moved further away from this area with the machine to load to avoid adding noise to the loud area on Baxter Street
AQS #997 – 9/13/24 @ 2:30PM	82.0 dBA	76.0 dBA	The monitor was relocated to the inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise. We moved further away from this area with the machine to load to avoid adding noise to the loud area on Baxter Street.
AQS #997 – 9/16/24 @ 10:00AM	81.3 dBA	68.0 dBA	The monitor was relocated to the inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise. We moved further away from this area with the machine to load to avoid adding noise to the loud area on Baxter Street.
AQS #997 – 9/16/24 @ 2:00PM	81.7 dBA	76.5 dBA	The monitor was relocated to the inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise. We moved further

			away from this area with the machine to load to avoid adding noise to the loud area on Baxter Street.
AQS #997 – 9/17/24 @ 8:00AM	100.3 dBA	78.4 dBA	The monitor was relocated to the inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise. We moved further away from this area with the machine to load to avoid adding noise to the loud area on Baxter Street
AQS #997 – 9/19/24 @ 11:30AM	81.6 dBA	74.4 dBA	The monitor was relocated to the inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise. We moved further away from this area with the machine to load to avoid adding noise to the loud area on Baxter Street
AQS #997 – 9/20/24 @ 8:30AM	89.5 dBA	75.7 dBA	The monitor was relocated to the inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise. We moved further away from this area with the machine to load to avoid adding noise to the loud area on Baxter Street
AQS #997 – 9/23/24 @ 3:00PM	81.2 dBA	68.0 dBA	The monitor was relocated to the inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise. We moved further away from this area with the machine to load to avoid adding noise to the loud area on Baxter Street.
AQS #997 – 9/25/24 @ 11:30AM	80.5 dBA	76.6 dBA	The monitor was relocated to the inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise. We moved further away from this area with the machine to load to avoid adding noise to the loud area on Baxter Street
AQS #997 – 9/26/24 @ 5:30PM	83.0 dBA	73.1 dBA	The monitor was relocated to the inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise. We moved further away from this area with the machine to load to avoid adding noise to the loud area on Baxter Street.
AQS #997 – 9/27/24 @ 8:00AM	89.6 dBA	71.6 dBA	The monitor was relocated to the inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise. We moved further away from this area with the machine to load to avoid adding noise to the loud area on Baxter Street.
AQS #997 – 9/28/24 @ 10:30AM	80.7 dBA	74.5 dBA	The monitor was relocated to the inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise. We moved further away from this area with the machine to load to avoid adding noise to the loud area on Baxter Street.
AQS #997 – 9/30/24 @ 10:30AM	91.3 dBA	74.6 dBA	The monitor was relocated to the inside of the construction site fence at this time. Combination of machines loading debris and Baxter Street traffic noise. We moved further

			away from this area with the machine to load to avoid adding noise to the loud area on Baxter Street.
AQS #998 – 9/02/24 @ 2:40AM	88.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #998 – 9/03/24 @ 12:40PM	81.0 dBA	N/A	No work was being performed in this area. Baxter Street traffic / community noise.
AQS #998 – 9/04/24 @ 1:00AM	86.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #998 – 9/05/24 @ 1:40PM	89.0 dBA	N/A	No work was being performed in this area. Baxter Street traffic / community noise.
AQS #998 – 9/09/24 @ 10:00AM	86.0 dBA	N/A	No work was being performed in this area. Baxter Street traffic / community noise.
AQS #998 – 9/11/24 @ 11:00AM	83.0 dBA	N/A	No work was being performed in this area. Baxter Street traffic / community noise.
AQS #998 – 9/13/24 @ 8:00PM	84.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #998 – 9/14/24 @ 4:20PM	81.0 dBA	N/A	No work was being performed in this area. Baxter Street traffic / community noise.
AQS #998 – 9/18/24 @ 6:40PM	81.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #998 – 9/20/24 @ 12:40PM	86.0 dBA	N/A	No work was being performed in this area. Baxter Street traffic / community noise.
AQS #998 – 9/22/24 @ 12:20AM	84.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #998 – 9/22/24 @ 9:40PM	86.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #998 – 9/27/24 @ 9:00PM	85.0 dBA	N/A	No corrective action at this time. This was after working hours.
AQS #998 – 9/28/24 @ 5:40PM	88.0 dBA	N/A	No work was being performed in this area. Baxter Street traffic / community noise.
AQS #998 – 9/29/24 @ 12:00PM	83.0 dBA	N/A	No work was being performed in this area. Baxter Street traffic / community noise.
AQS #001 – 9/10/24 @ 8:20AM	82.2 dBA	N/A	This monitor is located inside of the courthouse. This noise was caused by activities inside of the courthouse not related to construction activities. No corrective action at this time.
AQS #001 – 9/12/24 @ 10:40AM	90.1 dBA	N/A	This monitor is located inside of the courthouse. This noise was caused by activities inside of the courthouse not related to construction activities. No corrective action at this time.
AQS #001 – 9/20/24 @ 11:40AM	84.5 dBA	N/A	This monitor is located inside of the courthouse. This noise was caused by activities inside of the courthouse not related to construction activities. No corrective action at this time.
AQS #001 – 9/24/24 @ 5:40 PM	80.4 dBA	N/A	This monitor is located inside of the courthouse. This noise was caused by activities inside of the courthouse not related to construction activities. No corrective action at this time.
AQS #001 – 9/25/24 @ 4:00PM	82.6 dBA	N/A	This monitor is located inside of the courthouse. This noise was caused by activities inside of the courthouse not related to construction activities. No corrective action at this time.
AQS #001 – 9/30/24 @ 11:20AM	81.4 dBA	N/A	This monitor is located inside of the courthouse. This noise was caused by activities inside of the courthouse not related to construction activities. No corrective action at this time.



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

During the month of September 2024, due to the noise level limit reduction adjustment there were a total of 125 alerts on 30 separate days with instances of noise level exceedances. Out of the 125 alerts we received, 20 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 (relocated on the 3rd floor inside of the courthouse on August 30th) is directly next to holding cells where inmates 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. With the noise protection provided we could barely hear any noise from the South Tower dismantlement activities when we investigated noise exceedances. The data provided above shows that noise levels in this area were exceeded at times when we were not performing any work. AQS #997, which is located inside of the site will be relocated across the street on Baxter upon receiving the permit. This will allow us to correctly monitor the noise output to the community and not get alerts based off noise INSIDE of the site. 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
23	30	0	During the month of September 2024, we experienced zero instances where we received alerts. 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

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

During the Month of September 2024, there was zero vibration exceedances. All 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

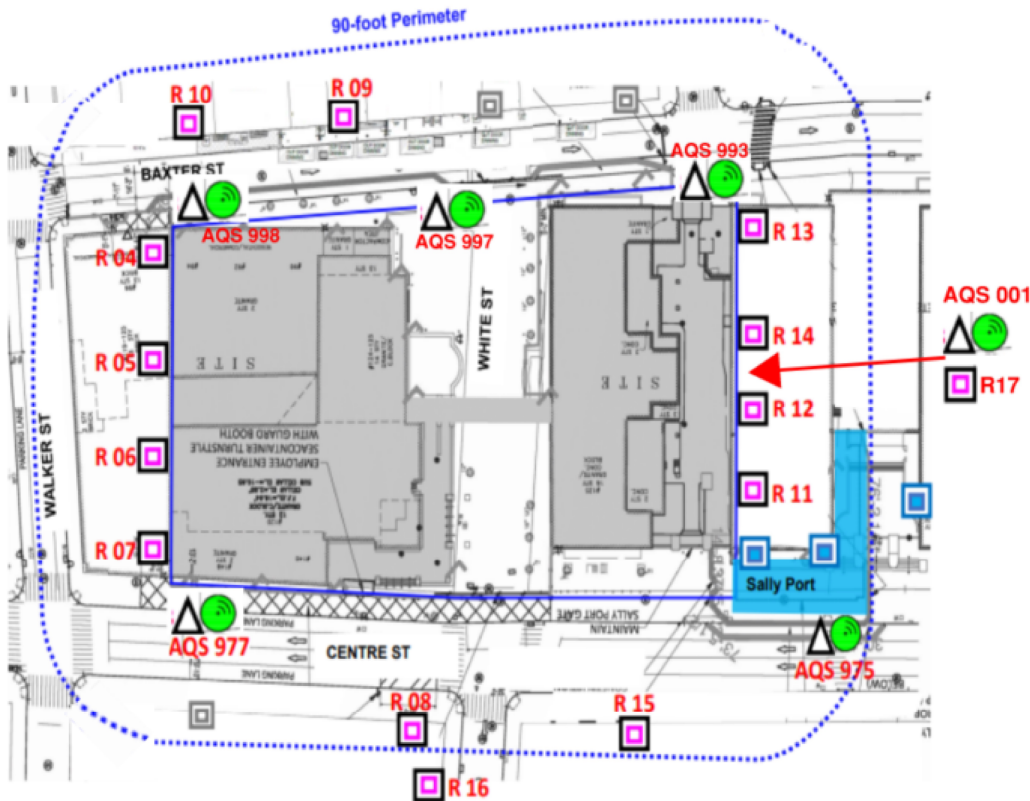
<b>Glossary of Terms</b>	
<b>Terms</b>	<b>Descriptions</b>
<i>Warning Alerts</i>	Warning limit line for vibration monitors is not an indication to stop work. This is to notify DB team to assess the operation and know that we are causing vibration, but not anything exceeding limits and to monitor this 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 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.

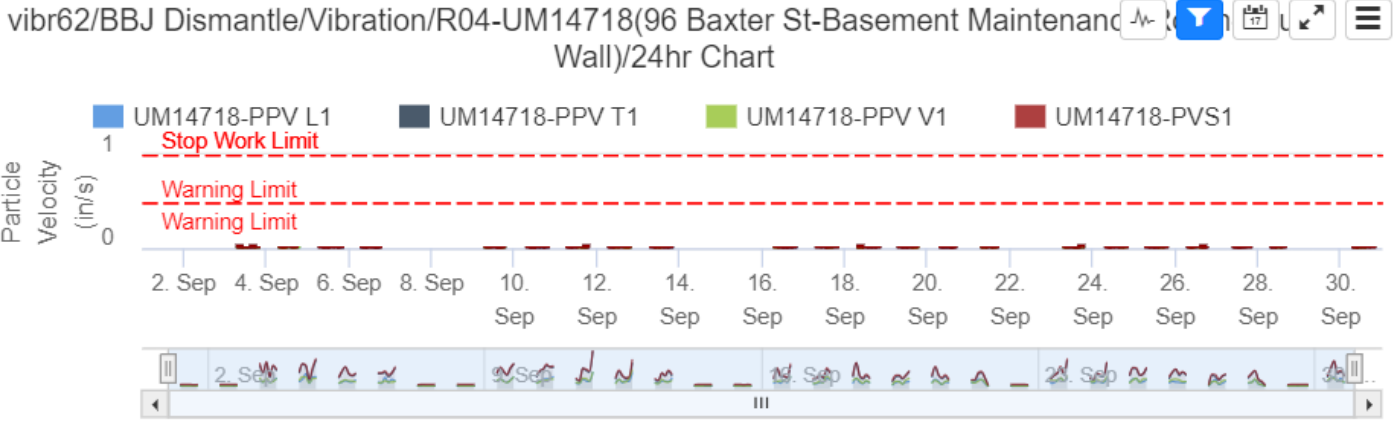
# Environmental Monitoring Manhattan



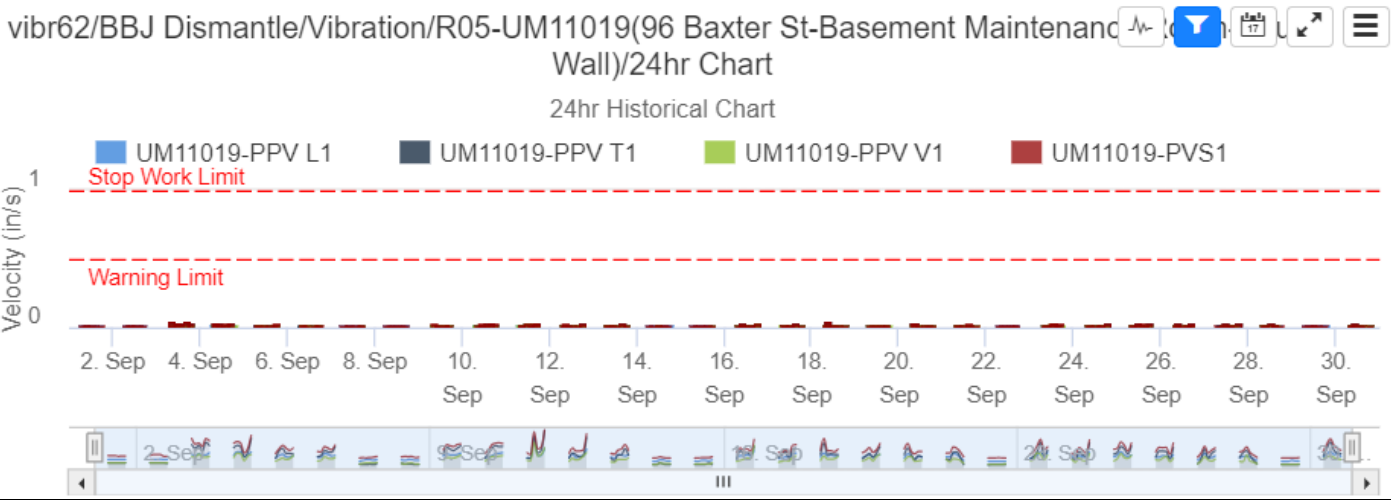
\* Dismantle project vibration, air and noise monitoring devices are installed by Design-Build team in Phase 2, after sally port construction. A vibration monitoring station was installed in the DCTV Fire house at 87 Lafayette St.

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

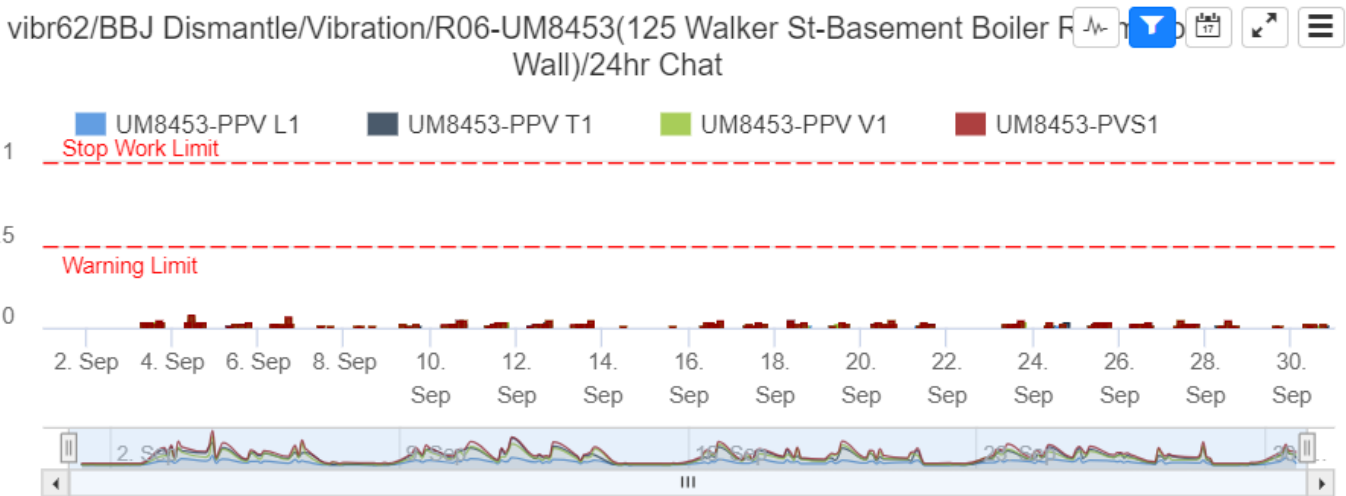
**Vibration Monitor – (R04) September 24:**



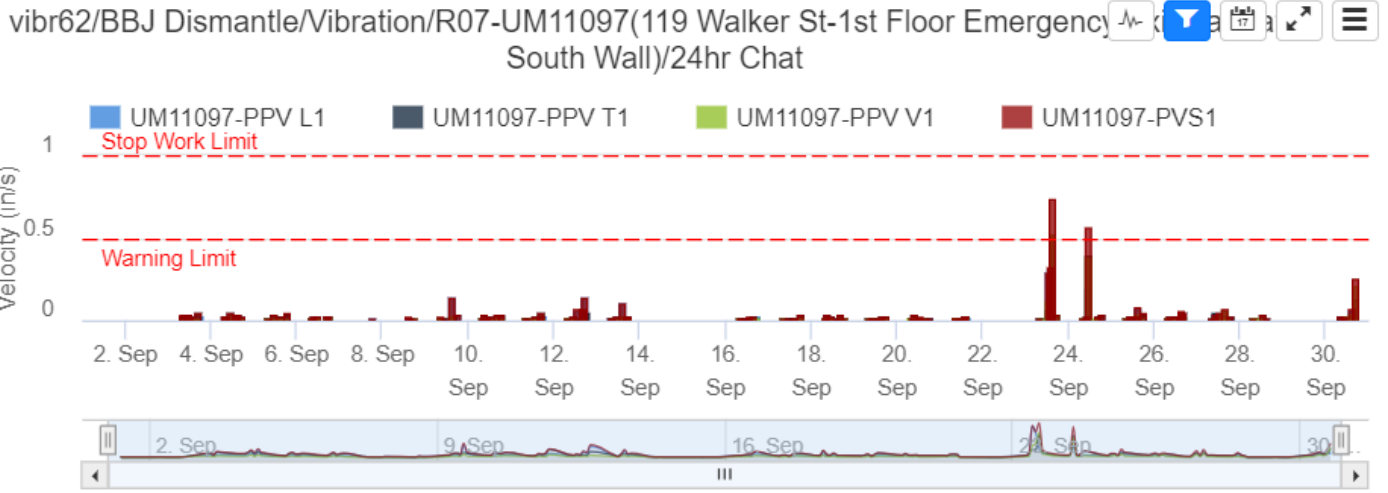
**Vibration Monitor – (R05) September 24:**



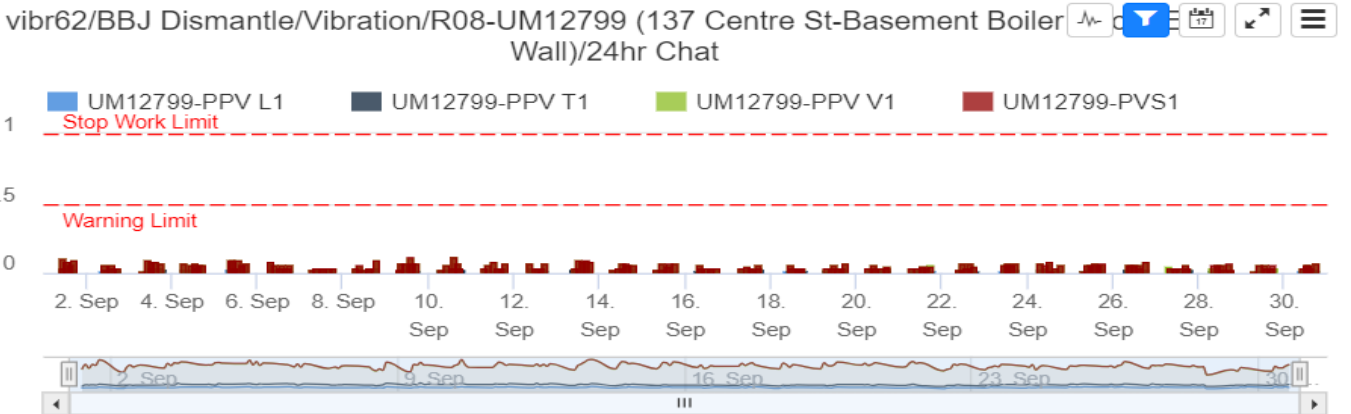
**Vibration Monitor – (R06) September 24:**



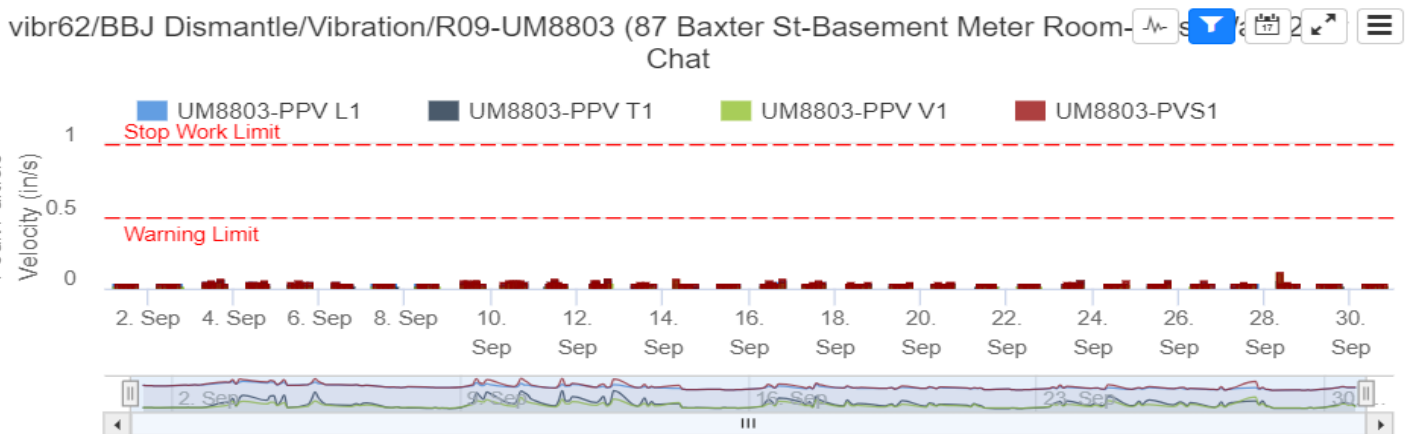
**Vibration Monitor – (R07) September 24:**



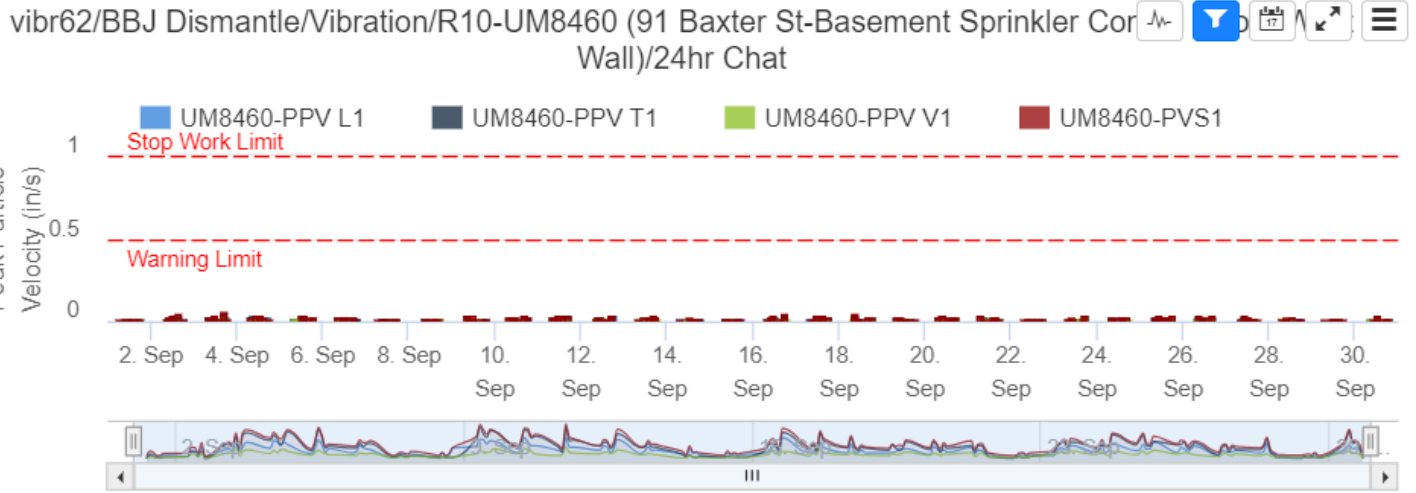
**Vibration Monitor – (R08) September 24:**



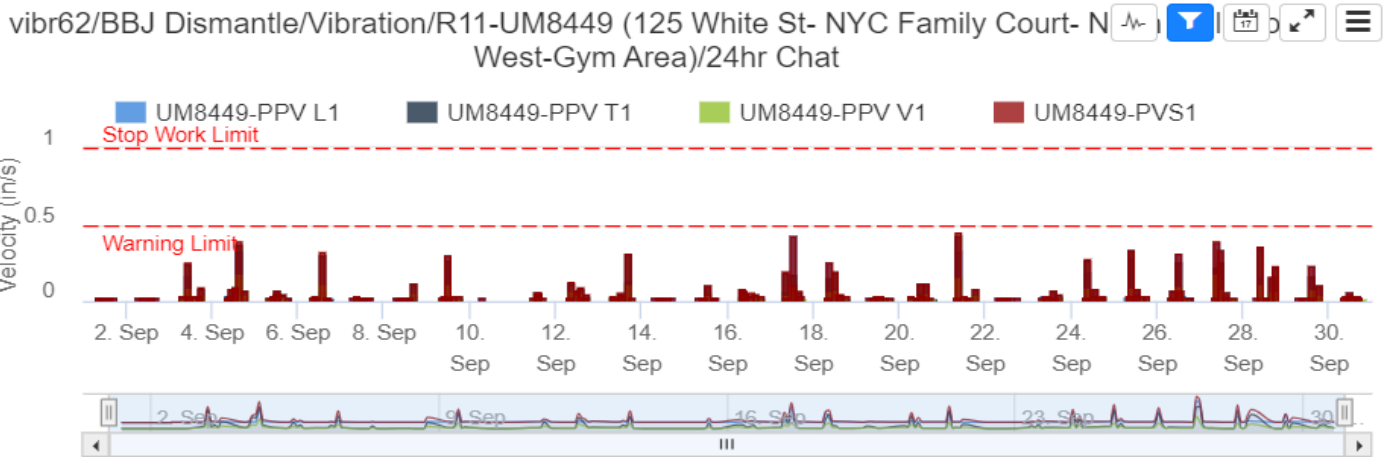
**Vibration Monitor – (R09) September 24:**



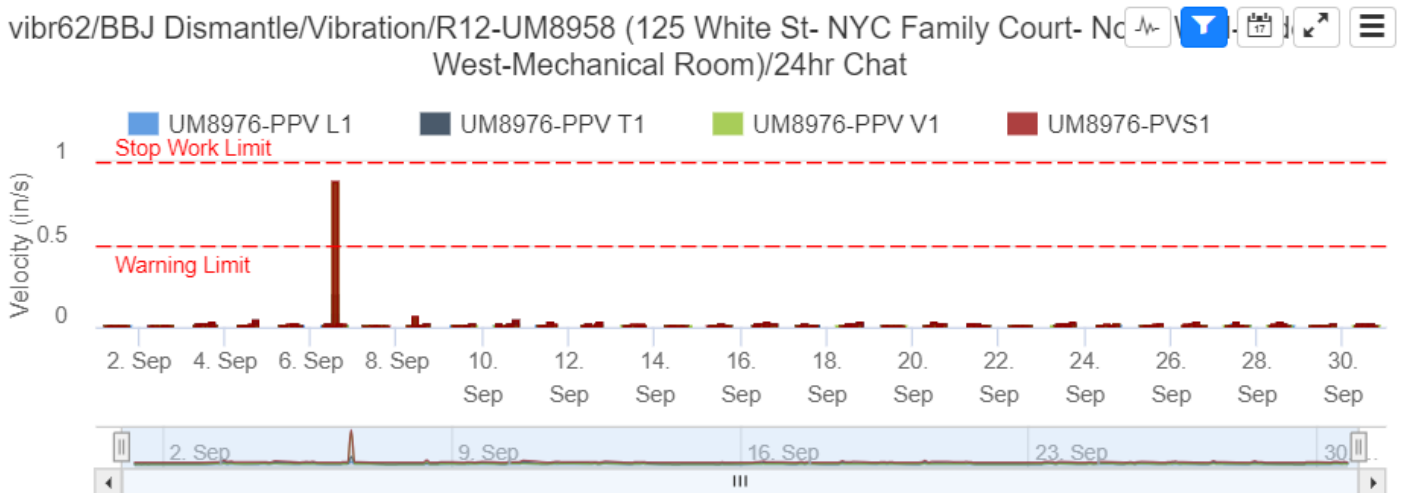
**Vibration Monitor – (R10) September 24:**



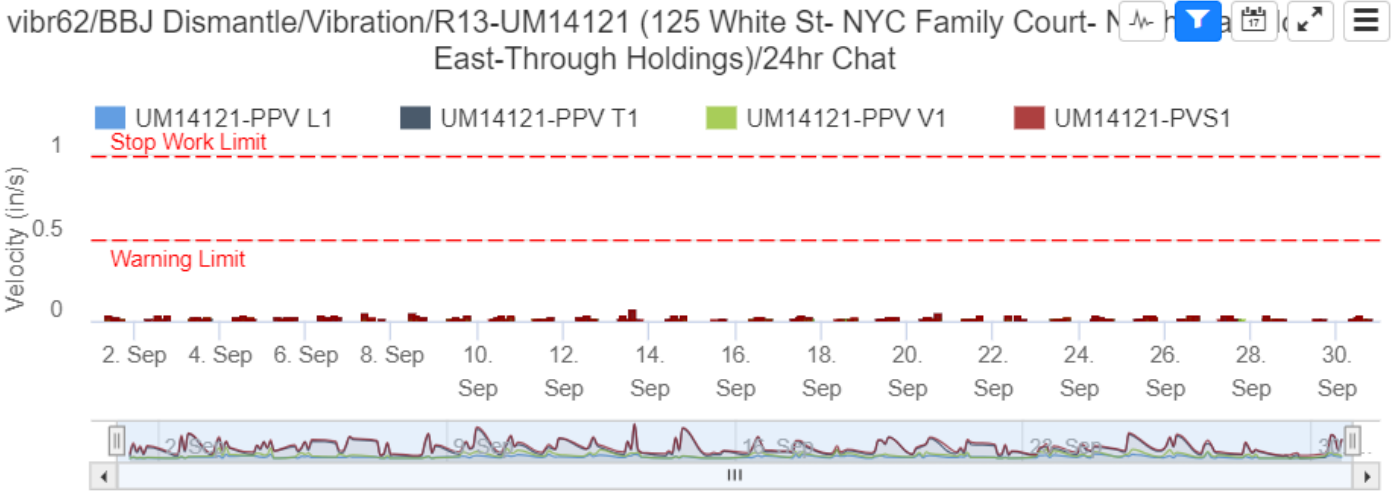
**Vibration Monitor – (R11) September 24:**



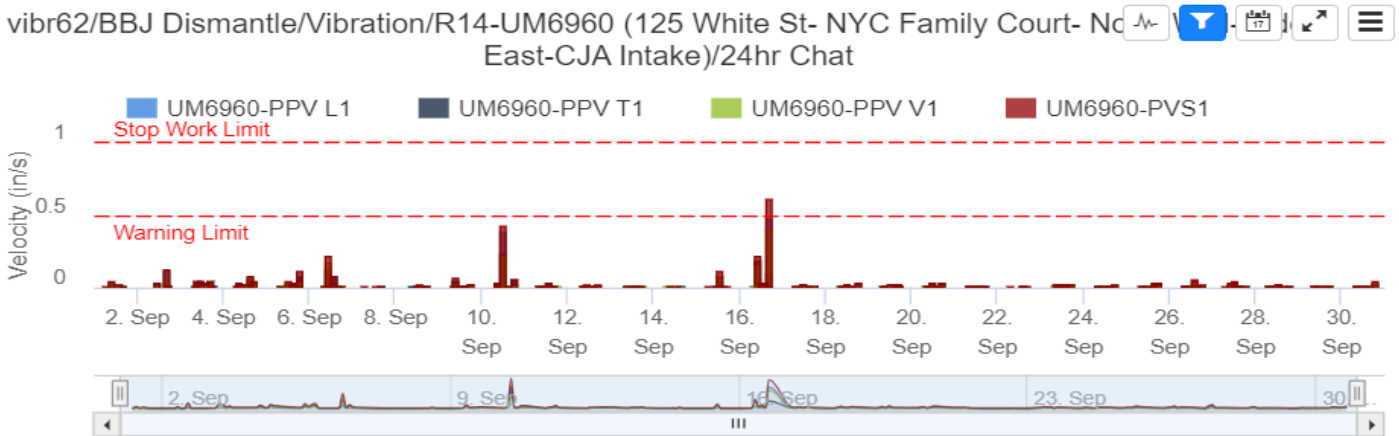
**Vibration Monitor – (R12) September 24:**



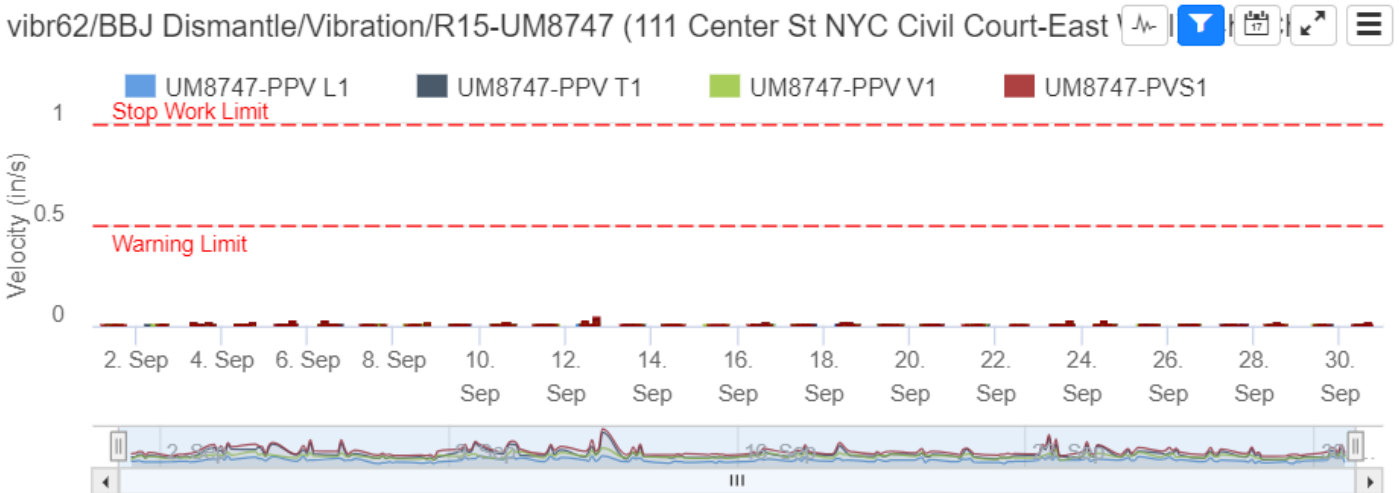
**Vibration Monitor – (R13) September 24:**



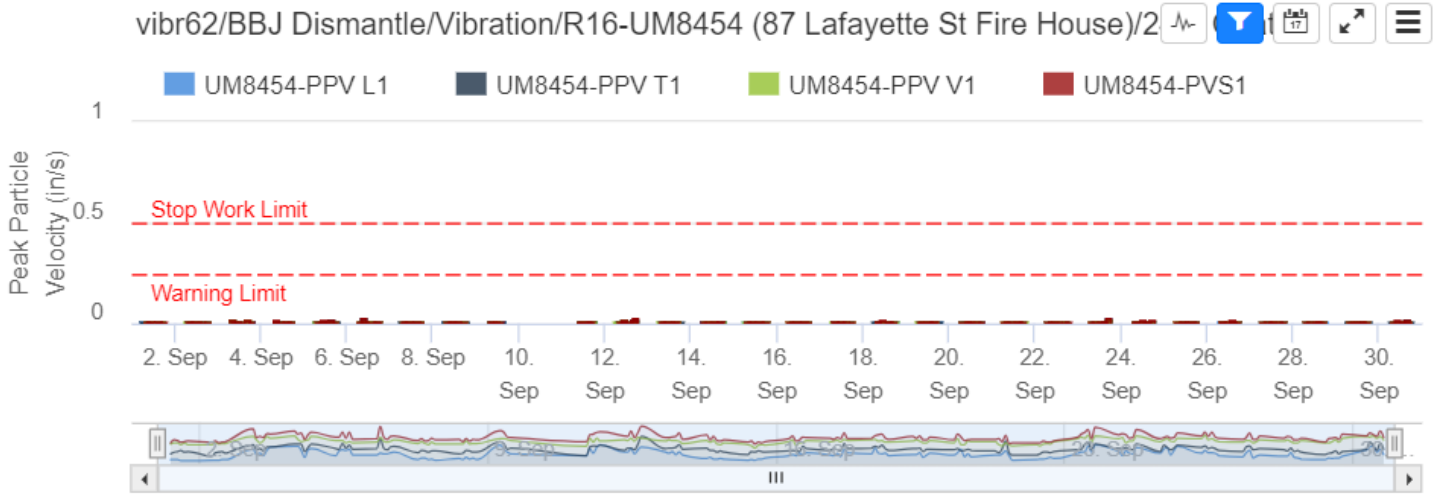
**Vibration Monitor – (R14) September 24:**



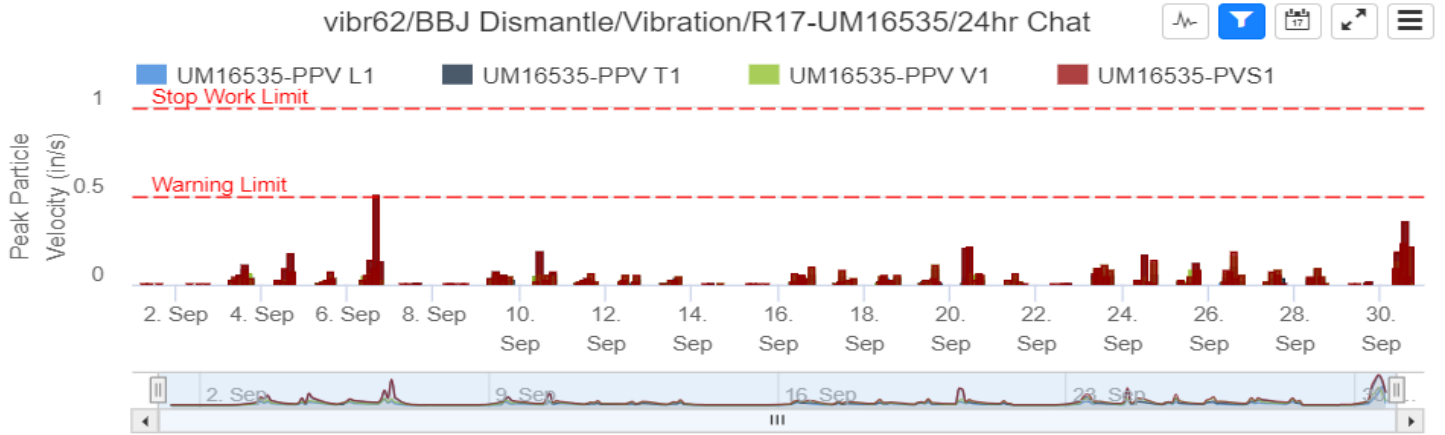
**Vibration Monitor – (R15) September 24:**



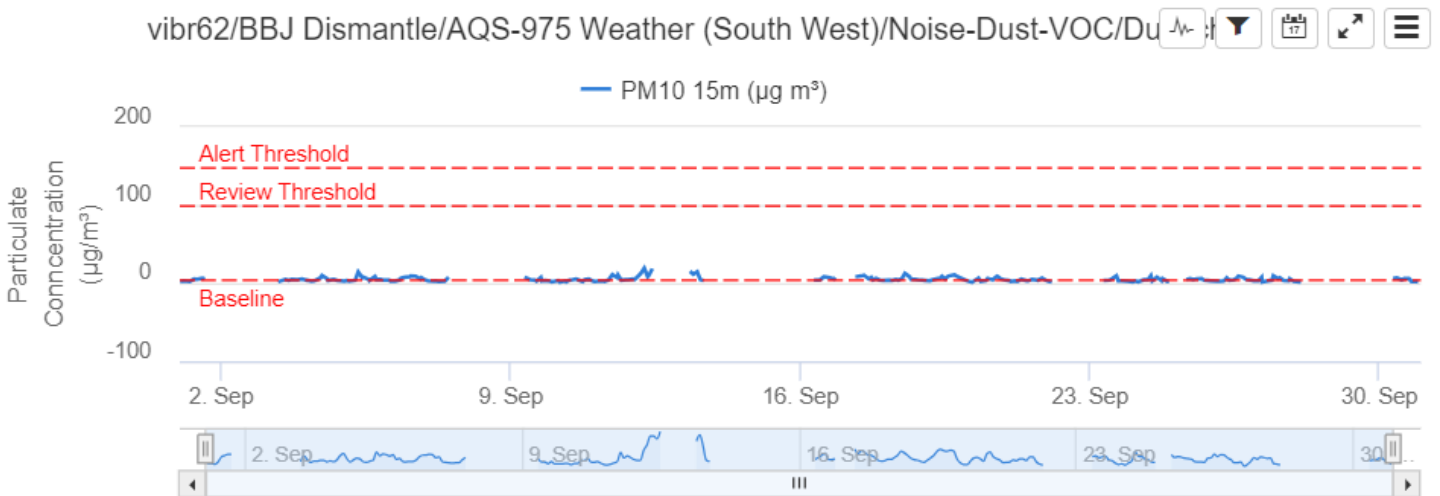
**Vibration Monitor – (R16) September 24:**



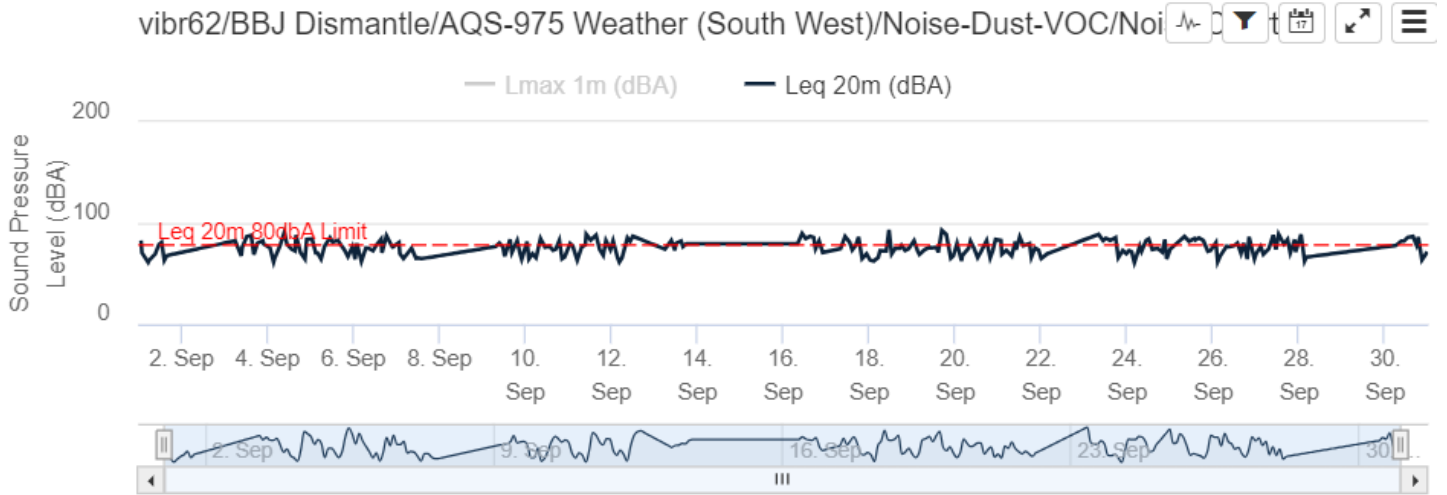
**Vibration Monitor – (R17) September 24:**



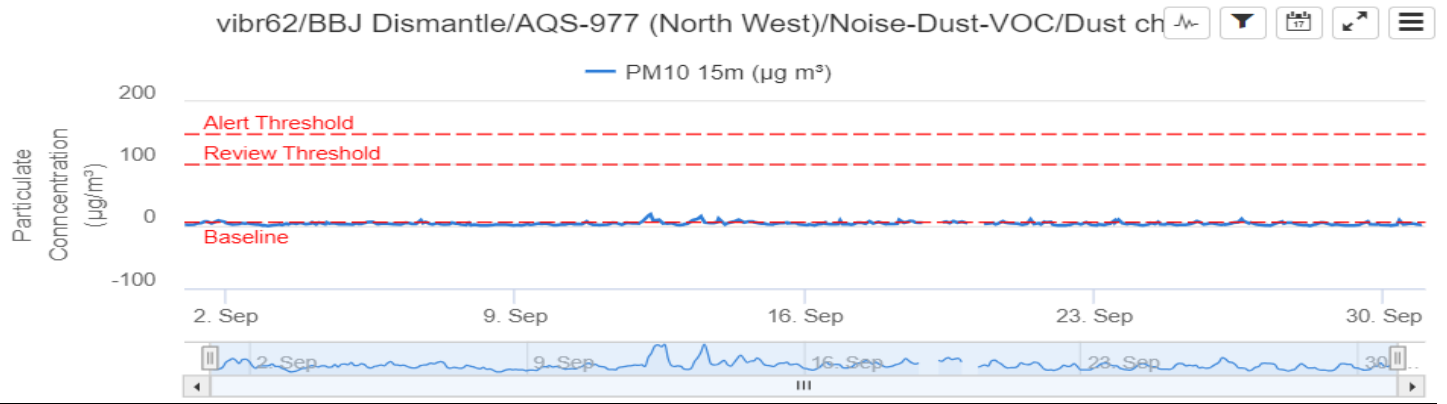
**Air Quality Systems #975 – Dust Monitoring Station – September 24:**



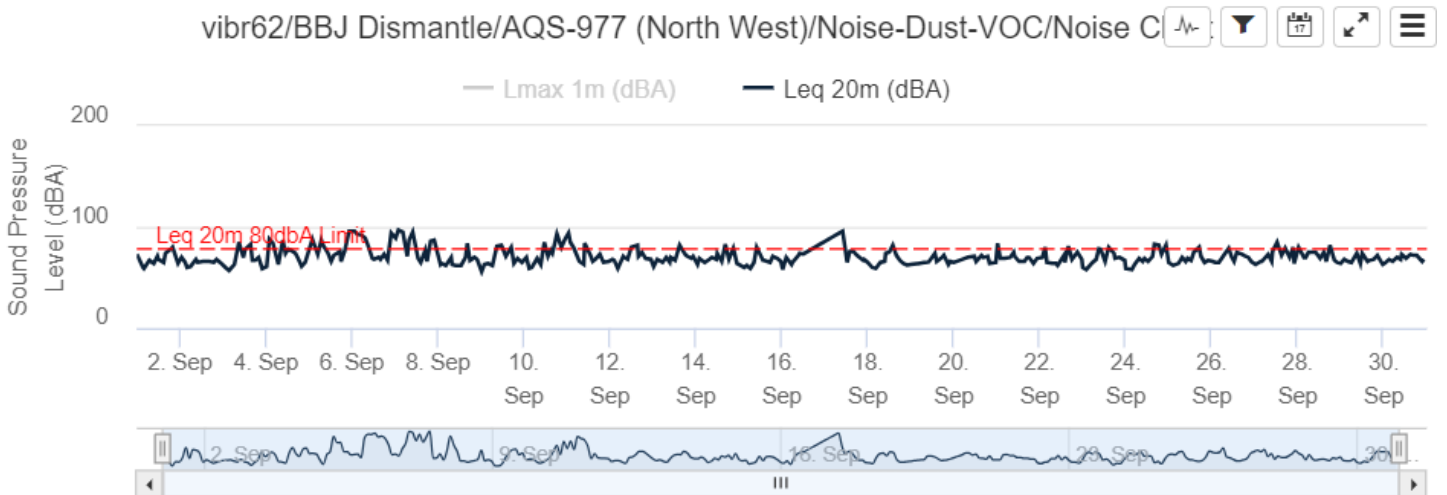
**Air Quality Systems #975 – Noise Monitoring Station – September 24:**



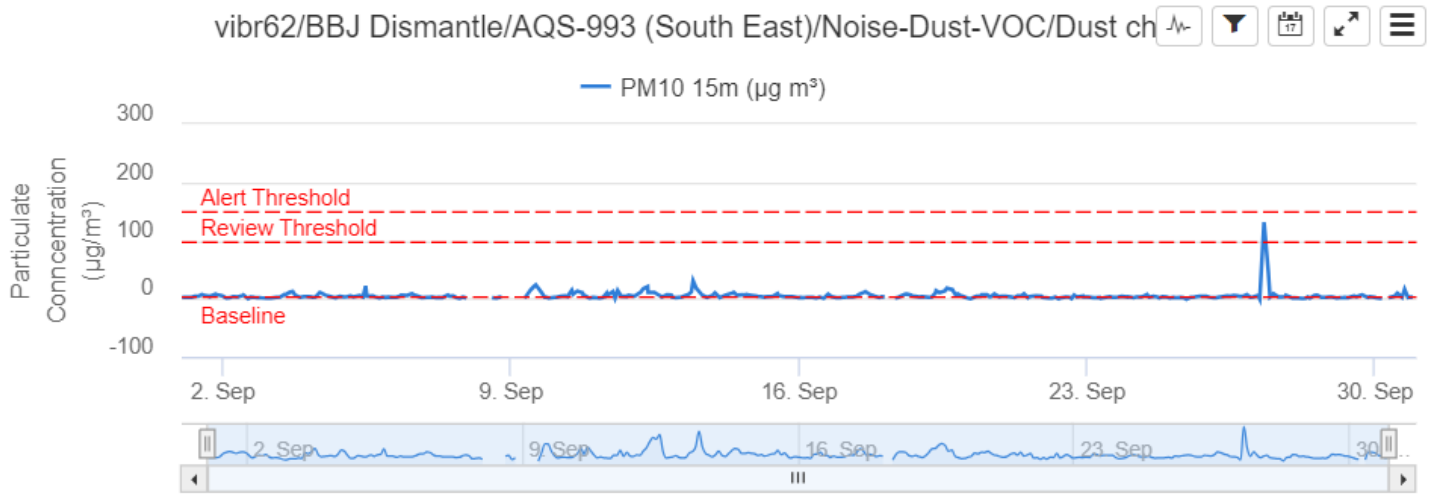
**Air Quality Systems #977 – Dust Monitoring Station – September 24:**



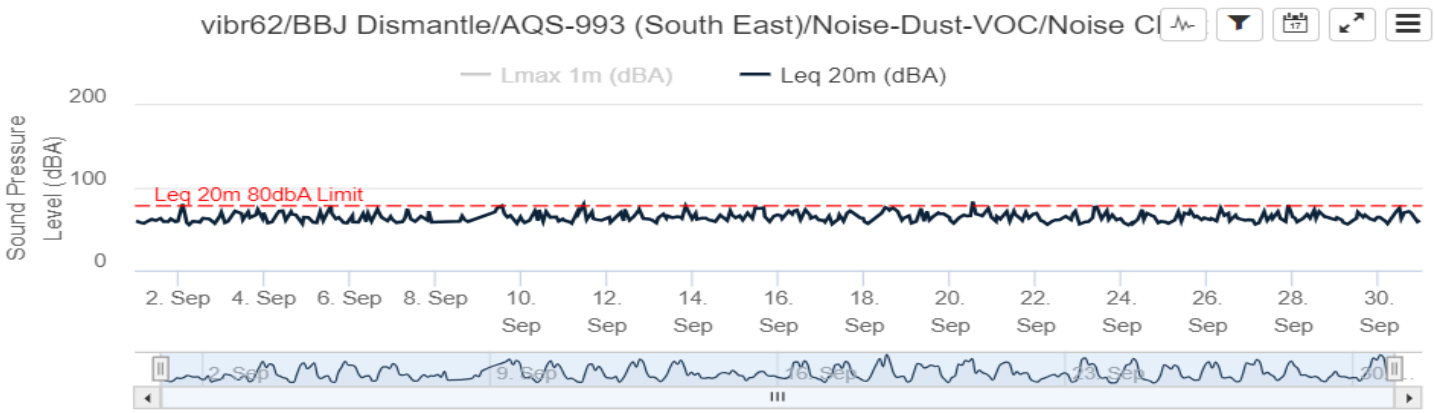
**Air Quality Systems #977 – Noise Monitoring Station – September 24:**



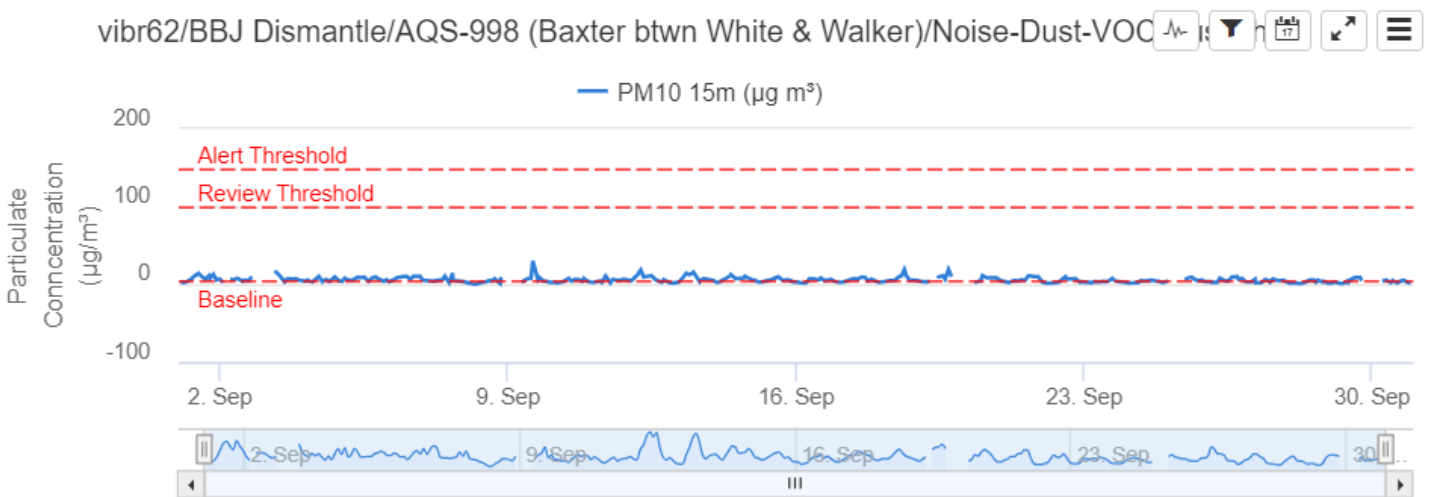
**Air Quality Systems #993 – Dust Monitoring Station – September 24:**



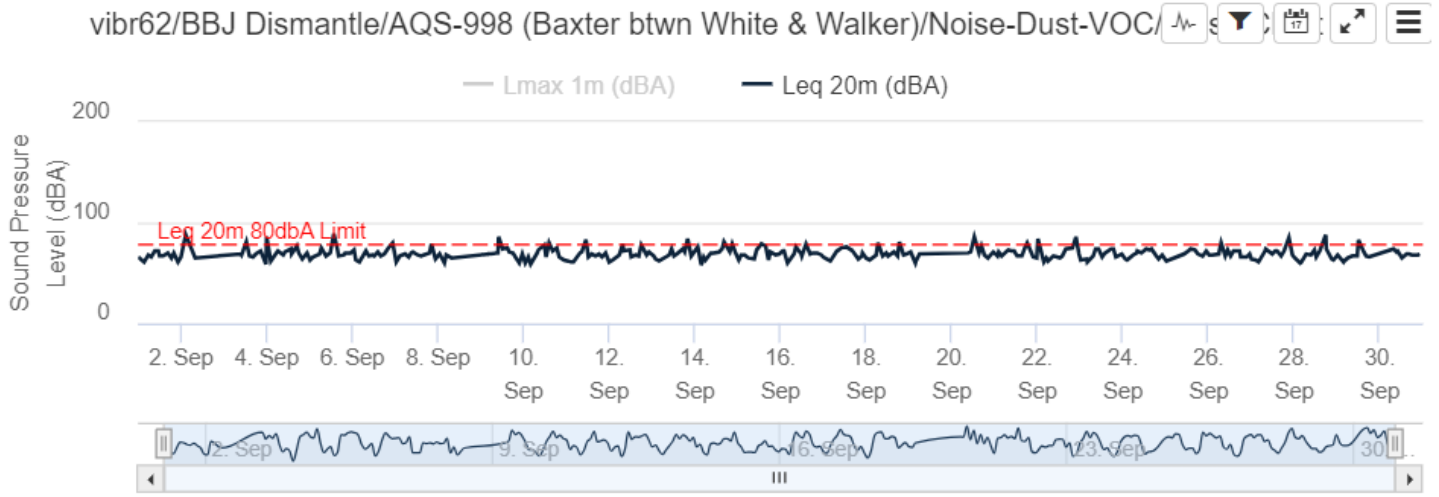
**Air Quality Systems #993 – Noise Monitoring Station – September 24:**



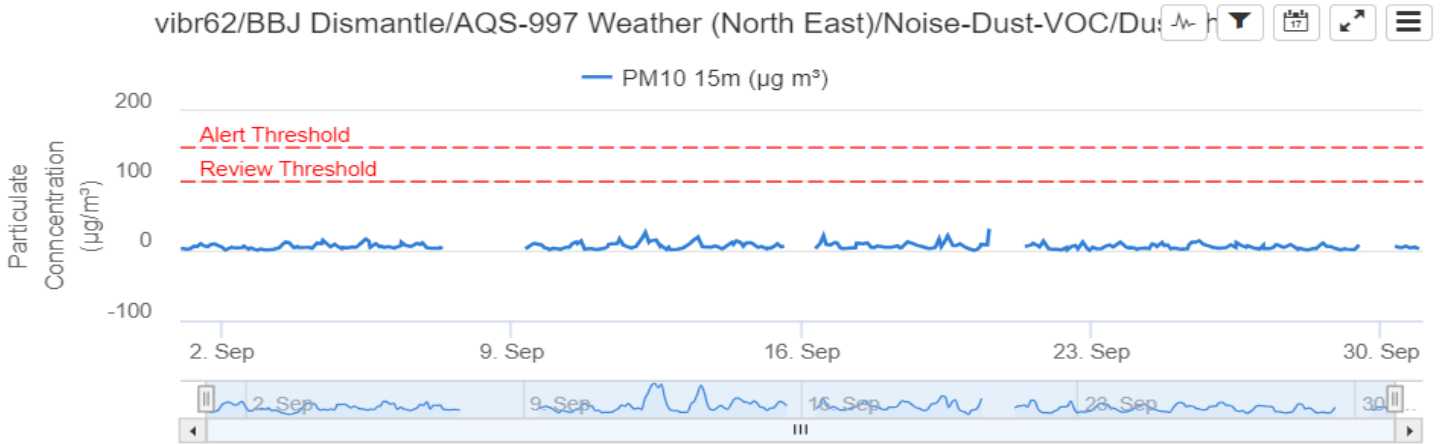
**Air Quality Systems #998 – Dust Monitoring Station – September 24:**



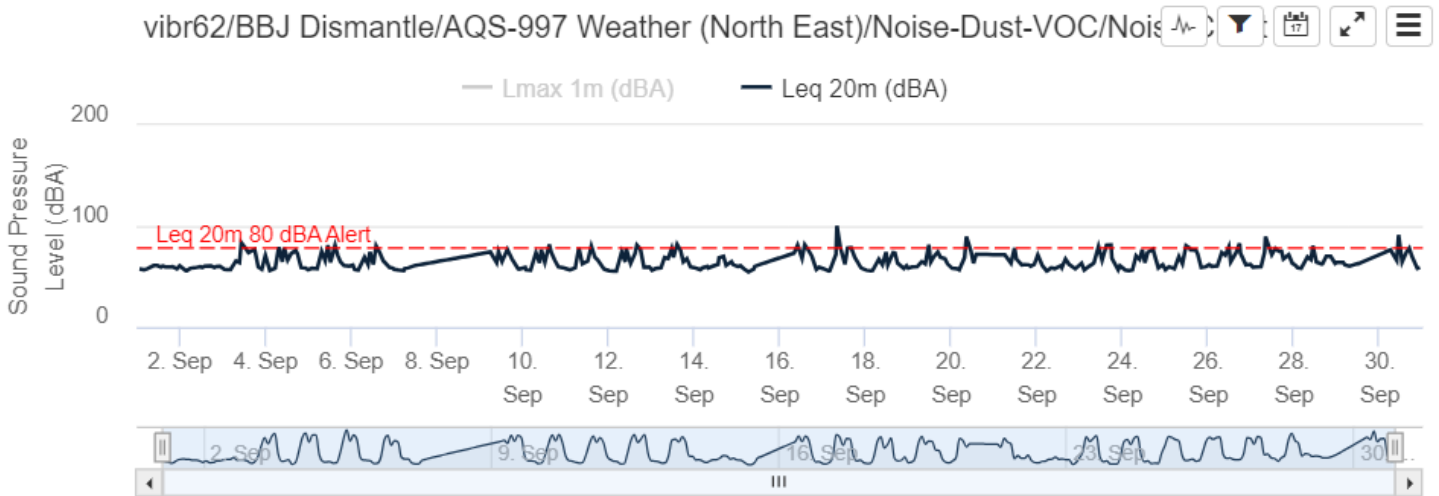
**Air Quality Systems #998 – Noise Monitoring Station – September 24:**



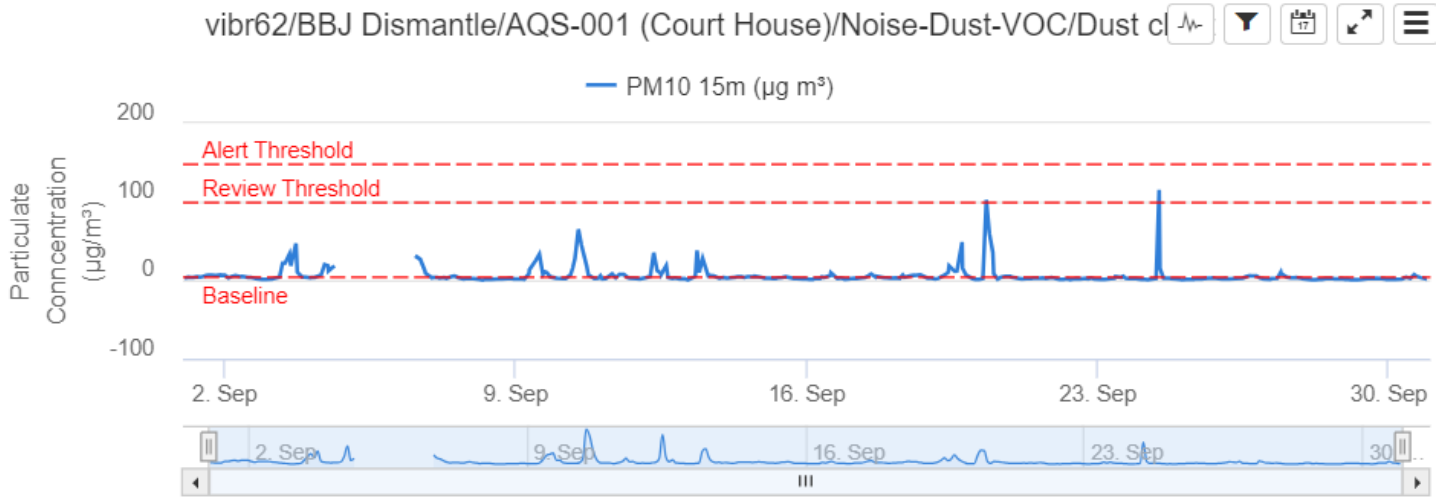
**Air Quality Systems #997 – Dust Monitoring Station – September 24:**



**Air Quality Systems #997 – Noise Monitoring Station – September 24:**



**Air Quality Systems #001 – Dust Monitoring Station – September 24:**



**Air Quality Systems #001 – Noise Monitoring Station – September 24:**

