

INDEPENDENT COMMUNITY MONITORING

REPORT No. 4

Monitoring Period: Saturday, Feb. 1, 2025 through Friday, March 14th, 2025

1.0 Project Background and Role of the Independent Community Monitor (ICM):

Excel Environmental Resources, Inc. (Excel) has been contracted by the New York City Department of Design and Construction (NYCDDC) to serve as the ICM for the Borough Based Jails Program – Manhattan Dismantle and Swing Space (BBJ-MDSS) project for independent oversight of the dismantling project given the proximity of adjacent sensitive receptors, including residents, commercial/retail businesses and institutions, the courthouse, and parks. *Following the text of this ICM Report No. 4 is a Data Summary Report which is 18 pages in length.*

On behalf of the NYCDDC, the joint venture of AECOM and Hill International (AECOM-Hill JV) is the construction manager for the BBJ-MDSS project and the Gramercy Group, Inc. (Gramercy) is the demolition, or dismantling, contractor. The dismantling activities are conducted from 7 AM to 3:30 PM Monday, weather permitting. Dust, noise, and vibration monitoring is conducted by Vibranalysis, Inc. on behalf of Gramercy on a 24-hour per day basis.

As ICM, Excel provides the following ICM services on behalf of the community:

- ➤ Daily review of the dust, noise, and vibration monitoring data for completeness and compliance with established threshold and alert action levels. During the reporting period, air quality monitoring was conducted 24 hours per day at six Air Monitoring Stations located around the perimeter and off the Site, designated AQS-001, AQS-993, AQS-975, AQS-977, AQS-997, and AQS-998 as shown in the Site Map provided as Page 2 of 18 of the enclosed Data Summary Report. Each of the Community Air Monitoring Plan (CAMP) stations contains a dust and noise meter.
- In addition, there are 14 perimeter vibration monitoring stations designated **R04**, **R05**, **R06**, **R07**, **R08**, **R09**, **R10**, **R11**, **R12**, **R13**, **R14**, **R16**, **R16**, and **R17** as also shown in the Site Plan provided as Page 2 of 18 of the enclosed Data Summary Report.
 - Dust Threshold Level: 100 micrograms per cubic meter (100 ug/m³) for airborne particulate matter less than 10 micrometers in size (PM-10) based on a 15-minute time weighted average (TWA). If exceeded, onsite activities are adjusted if necessary, and additional dust suppression measures must be used.
 - O Dust Alert/Stop Work Level: 150 ug/m³ for PM-10 based on a 15-minute TWA which is considered the Short-Term Exposure Limit (STEL). The Permissible Exposure Limit (PEL), the regulatory limit to protect public health and welfare with respect to PM-10, is based on a 24-hour TWA. The 15-minute TWA, or STEL, is used to aid the BBJ-MDSS Project Team to monitor the project's effect on PM-10 air quality more closely. If the 15-minute TWA for PM-10 is exceeded, work is stopped, the source (s) are evaluated, onsite activities are adjusted

- if/as necessary, additional best management practices (BMPs) implemented prior to resuming work, and dust levels confirmed to be below threshold and alert levels.
- Noise Alert Level: Weekdays between 7 AM and 6 PM, noise from Site activities cannot exceed 80 A-weighted decibels (dBA) measured 50 or more feet from the property line, or 70 dBA or an increase of 7 dBA above ambient background, whichever is higher, on weekday evenings between 6 PM and 7 AM and all day/night on weekends.
- Vibration Warning and Action Levels: A warning level of 0.5 inches per second (in/sec) at which point onsite activities are evaluated to determine if any adjustments need to be made and work must be stopped and the work area inspected if vibrations at one or more monitoring stations are measured above the action level of 1.0 in/sec.
- Follow up with the AECOM-Hill JV and NYCDDC project representatives to discuss any exceedance or excursion of one or more alert action level, evaluate the findings of their investigation of the cause (s) and corrective action (s) taken to mitigate the situation and restore the alert condition to below threshold levels.
 - Excel receives daily excursion investigation summaries for review to evaluate the cause of any noise, dust, or vibration alert level exceedance, the scope of investigation, and the corrective actions taken if related to onsite activities.
- ➤ Conduct one monthly unscheduled Site inspection to include real-time verification of dust and noise levels at and surrounding the Site and observe and photo-document the ongoing dismantling activities for adherence to monitoring plans and BMPs.
- Prepare and submit weekly and monthly reports summarizing the results of the dust, noise, and vibration monitoring noting any exceedance of the alert action levels, relaying the cause (s) of the exceedance as determined by the NYCDDC project team based on investigation of each alert, the corrective action (s) taken in response to the exceedance, Excel's findings and observations during our once per month Site inspection, and outlining additional recommendations, if any.
- Participation in one monthly Working Group, or similar meeting, with the NYCDDC project team, representatives of the community and local elected officials and other stakeholders to discuss Excel's findings and observations related to Site activities and dust, noise, and vibration monitoring data, relay any issue of concern and associated recommendation (s) to address or mitigate the concern, and answer questions from the participants at the meeting.
- Respond to questions or concerns raised by the community and/or elected officials if not appropriately and timely addressed by the NYCDDC project team and provide Excel's observations and any recommendations via email or conference call as the dismantling activities progress.

2.0 Dismantling and Related Activities During the Reporting Period Feb. 1, 2025 through March 14th, 2025

- Dismantling of the Sally Port adjacent to the Court House on the south side of the Site
- North Courthouse 3rd and 12th Floor Bridge Infill
- Processing of concrete and other debris generated during dismantling
- Re-point, Parge, Flashing & Waterproof of Stucco Chung Pak Wall
- > Equipment demobilization and removal from the Site
- Continued 24 hours per day noise, dust, and vibration monitoring and monitoring of the MTA tunnel with a MTA inspector

- > Implementation of dust mitigation BMPs, weather permitting and as needed for controlling dust generation on Site as necessary to ensure that dust levels at the offsite monitoring stations are maintained below alert levels
- Implementation of noise mitigation BMPs, including use of sound attenuation blankets and movable acoustic barriers placed around active dismantling operations, onsite monitoring of noise during movement of equipment and adjusting heavy machinery as necessary to reduce bounce back from adjacent structures, etc.

3.0 Excel's Site Visits Work Scope, Findings, and Observations:

A. Month of February 2025 – No site inspection given weather conditions resulted in ice, snow, and extremely cold temperatures and work activities were limited with no dust generation or dismantling/construction related noise or vibration.

B. March 12th, 2025 Site Visit

- As the weather became more moderate, Excel conducted an unscheduled visit to the Site on March 12th, 2025 to verify offsite and onsite noise and dust/particulate levels arriving at the Site at 9:00 AM. Weather conditions were sunny with the temperature between 38- and 50-degrees Fahrenheit.
- Upon arrival, M. DeMatteo of Excel signs in at the AECOM-Hill construction office and meets M. Schnurr of AECOM-Hill to gain onsite access to the site.
- M. Schnurr escorts M. DeMatteo to the site to observe current site activities while taking realtime, instantaneous dust/particulate and noise readings on the Site using the hand-held PDR-100 Multi-Ram Dust Monitor and Edge 5 Noise Dosimeter, respectively.
 - M. DeMatteo meets current onsite personnel: Dahiana Paredes of Gramercy and Kenneth O'Keefe of AECOM-Hill.
- M. Schnurr escorts M. DeMatteo across the site and she photographs the site conditions. At the time of the inspection, the only work in progress was brick work on the Courthouse building and flashing installation on the Chung Pak building. See Photographs in the enclosed Data Summary Report No. 4.
 - Onsite, real-time, instantaneous dust/particulate levels were measured using the handheld PDR-100 Multi-Ram Dust Monitor and noise was measured using a hand-held Edge 5 Noise Dosimeter with measurements summarized as follows:
 - Dust/particulates below action levels with measurements ranging from not measurable to 3.0 ug/m3.
 - Noise levels below action levels with measurements ranging from 63.1 to 76.6 dBA.
- K. O'Keefe accompanies M. DeMatteo to the offsite, perimeter CAMP Stations which are all in operation and M. DeMatteo collects instantaneous, real-time dust and noise measurements using the hand-held PDR-100 Multi-Ram Dust Monitor and an Edge 5 Noise Dosimeter, respectively. The readings are as follows:

- Offsite CAMP Station AQS 975: Dust/particulates measured below the action level at 2 ug/m3 and noise measured below the action level at 63.9 dBA.
- Offsite CAMP Station AQS 977: No measurable dust/particulates and noise measured below the action level at 66.8 dBA.
- Offsite CAMP Station AQS 993: No measurable dust/particulates and noise measured below the action level at 63.2 dBA.
- Offsite CAMP Station AQS 997: No measurable dust/particulates and noise measured below the action level at 63.7 dBA.
- Offsite CAMP Station AQS 998: No measurable dust/particulates and noise measured below the action level at 66.5 dBA.
- M. DeMatteo visually inspects the sidewalk and roadway opposite the Site entrance/exit for any visible sign of dust/particulate tracking offsite and finds none (See Photos No. 1 and 2 of the Data Summary Report No. 4).
- M. DeMatteo completed the site visit at 11:00 AM.
- **4.0 Summary of Daily Dust Monitoring Data:** During the monitoring period, air quality monitoring was conducted 24 hours per day at six (6) air quality CAMP stations located around the perimeter designated **AQS-001**, **AQS-975**, **AQS-977**, **AQS-993**, **AQS-997**, and **AQS-998**. The CAMP monitoring station locations are shown on the Site Plan provided as Page 2 of 18 of the enclosed Data Summary Report No. 4.

Daily Dust Monitoring data graphs are provided in Section 1, Pages 3 through 5 of 18 of the enclosed Data Summary Report No. 4. Breaks in monitoring data on the graphs generally indicate loss of battery, battery replacement, and equipment maintenance periods.

As shown in the Daily Dust Monitoring graphs, there was no exceedance of the Threshold (100 ug/m3) or Alert (150 ug/m3) Dust Levels during the reporting period with dust measurements all extremely low.

5.0 Summary of Daily Noise Monitoring Data, Feb. 1, 2025 through March 14th, 2025

During the monitoring period, noise monitoring was conducted 24 hours per day at six (6) air quality CAMP stations located around the perimeter and off the Site. The CAMP monitoring station locations are shown on the Site Plan provided as Page 2 of 18 of the enclosed Data Summary Report No. 4.

The Daily Noise Monitoring data graphs are also provided in Section 2 on Pages 6 through 8 of 18 of the enclosed Data Summary Report No. 4. Prior to discussing our key observations, we wanted to clarify that there are two readings being taken with respect to noise monitoring. Review of the noise monitoring graphs provided in Section 2, Pages 6 through 8 of the enclosed Data Summary Report No. 4 shows a blue line which represents the "Lmax 1min" which is the highest sound level measured during a one-minute period and a black line which represents the "Leq 20 min" which represents the continuous sound level averaged over a 20-minute period. Essentially, the Lmax captures the peak noise level within a short time frame, while Leq provides the average noise level over the longer 20-minute duration, including not only sudden loud noises but also quieter times in between.

On Page 3 of the project Environmental Management Plan (EMP) dated January 26, 2022 it states that "the noise level standards/criteria are based on the maximum noise level (Lmax)" and, as previously discussed on Page 2 of this ICM Monitoring Report, the Lmax cannot exceed the 80 dBA alert level as

measured 50 or more feet from the source or sources at a point outside the property line or on a public right-of-way. For this reason, the Daily Noise Monitoring data graphs provided on Pages 6 through 8 shows both the Lmax (blue line) and Leq (black line) readings.

- Note that breaks in monitoring data on the graphs generally indicate loss of battery and maintenance periods.
- Review of the Daily Noise Monitoring data graphs for the reporting period indicates that there was no dismantling/construction related exceedance of the Lmax- 1min (blue line) or Leq- 20 min (black line) 80 dBA alert level during the reporting period.
- All elevated noise readings were attributable to traffic and/or courthouse-related activities.
- 6.0 Summary of Daily Vibration Monitoring Data, Feb. 1, 2025 through March 14th, 2025: During this reporting period, vibration monitoring was conducted 24 hours per day at 14 Vibration Monitoring Stations located around the perimeter and off the Site designated R04, R05, R06, R07, R08, R09, R10, R11, R12, R13, R14, R16, R16, and R17 as shown in the Site Plan provided as Page 2 of 18 of the enclosed Data Summary Report No. 4.

The Daily Vibration Monitoring data graphs are provided in Section 3, Pages 10 through 15 of the enclosed Data Summary Report.

> Review of the data indicates there was no exceedance of the 1.0 in/sec Maximum Vibration Level, or Stop Work Limit, during the reporting period.

7.0 ICM Overall Findings:

- Generally, review of the ongoing CAMP and vibration monitoring programs and the noise, dust, and vibration monitoring data indicates that the onsite dismantling, heavy equipment operation, and debris handling practices are consistent with the agency approved work plans and work scopes.
 - Note, however that, as previously stated in Section 5.0 of this report, on Page 3 of the project Environmental Management Plan (EMP) dated January 26, 2022 for this project, it states that "the noise level standards/criteria are based on the maximum noise level (Lmax)" which cannot exceed the 80 dBA alert level as measured 50 or more feet from the source or sources at a point outside the property line or on a public right-of-way.
 - For this reason, the Daily Noise Monitoring data graphs provided on Pages 6 through 8 of the enclosed Data Summary Report include both the Lmax (blue line) and Leq (black line) readings superimposed on the same graph for ease in comparison.
 - Following Excel's recommendation in our ICM Monitoring Report No. 2, the recent AECOM-Hill Monthly Reports include the Lmax and Leq noise data shown as separate graphs so the community can compare the noise level data but these reports state that the noise action level is based on the Leq and not the Lmax despite the January 26, 2022 EMP referenced above.
- > There were no exceedances of the dust, noise, or vibration action levels attributable to onsite dismantling and/or construction activities with elevated noise levels attributable to traffic and other noise-generation associated with the adjacent Courthouse.

- During the Site visit conducted by Excel on March 12th, 2025, M. DeMatteo of Excel verified that all the perimeter, offsite CAMP stations were properly operating and, using hand-held dust/particulate and noise monitors, she verified twice during the inspection that the real-time, instantaneous dust/particulate and noise levels were below action levels at the CAMP locations.
 - M. DeMatteo also used hand-held dust/particulate and noise meters to take instantaneous, real-time onsite dust/particulate and noise measurements in the vicinity of ongoing work activities and verified that dust/particulate and noise levels were below the action levels.
- As further discussed in Section 8 of this Report below, with most of the dismantling work at the Site completed, additional discussion regarding the CAMP scope, means, and methods is recommended prior to initiation of the next phase of construction at the Site.

8.0 ICM Recommendations:

Excel has the following ICM recommendations for the NYCDDC and AECOM-Hill JV project team:

- Currently, dust and noise monitoring is occurring at the remaining six (6) perimeter, offsite CAMP stations shown in the Site Map provided on Page 2 of the enclosed Data Summary Report No. 4 and work is winding down but there is still onsite activity and no instantaneous, real-time monitoring using handheld particulate/dust or noise meters within the various onsite work zones where dust/particulates could become airborne, including very fine PM-2.5 particulates, and noise can be generated.
- As previously recommended in our November 26th, 2024 Weekly Report No. 1, going forward, we recommend that Gramercy conduct daily instantaneous, real time monitoring of PM-10 dust/particulates using a hand held instrument calibrated daily before the start of work and a hand-held noise meter to verify the noise level in the immediate onsite work area to confirm that noise levels recorded at the perimeter CAMP stations are in no way related to onsite activities.
- As discussed during the most recent CB-1 Quality of Life meeting, we understand that approximately 75 geotechnical soil borings will be conducted at the Site to depths below ground surface of between 40 and 130 feet as part of pre-design activities.
 - Additional discussion is recommended prior to initiation of this work regarding the proposed means and methods for performance of this work, whether existing best management practices will be adhered to or if there is a separate work plan that outlines the proposed practices, and whether dust/particulate and noise monitoring will be conducted both at the perimeter, offsite CAMP locations as well as within the
 - o work areas on the Site.
 - Additional discussion is also recommended regarding adding PM-2.5 particulate monitoring to supplement the PM-10 particulate monitoring data in the CAMP work scope to ensure the safety and protection of the residents and community.

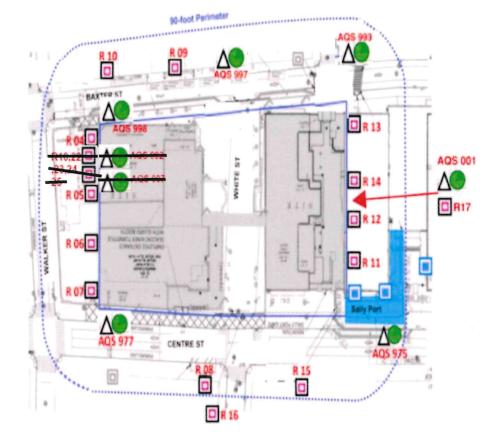


	ECT No.: DJECT:	24846 NYC Borough Based Jails System - Manhattan Dismantle and Swing Space	CLIENT: New York City Departm and Construction (N	NYDDC)		DATE:	Fri, March 28, 2025	
LOCA	ATION:	125 White Street, New York, NY 10013				MONITOR:	Excel Environmental Resources, Inc.	
	PRESENT AT SITE DURING EXCEL'S MARCH 12, 2025 SITE VISIT: Excel – Megan DeMatteo, Project Scientist/ICM AECOM-Hill JV - Michael Schnurr and Kenneth O'Keefe Gramercy - Dahiana Paredes							
COMMUNITY MONITORING WEEKLY STATUS UPDATE: SATURDAY, FEB. 1, 2025 - FRIDAY, MAR. 14, 2025								
This Report contains the following:								
- A Site Plan showing current CAMP and Vibration Monitoring Station Locations								
- Section 1: Community Air Monitoring Weekly Data Summary Dust Monitoring Graphs								
- Section 2: Community Air Monitoring Weekly Data Summary Noise Monitoring Graphs								
- Section 3: Community Vibration Monitoring Weekly Data Summary Graphs								
- Section 4: Photographic Summary								
Cc:	Lawra Dod	ge, Megan DeMatteo, Tim No	vy	By:	Brian l	Ehalt		
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SITE PLAN WITH MONITORING LOCATIONS:

Environmental Monitoring Manhattan



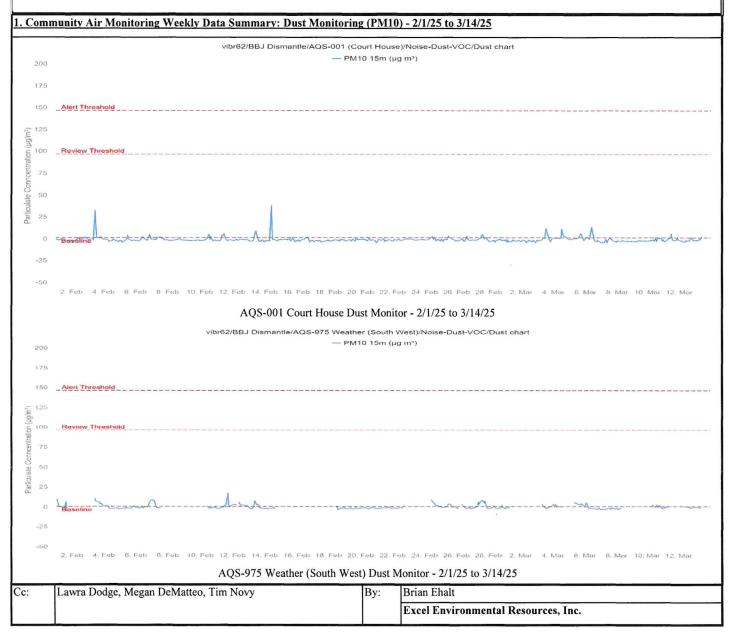


- * Dismantle project vibration, air and noise monitoring devices are installed by Design-Build team in Phase 2, after sally port construction. A vibration monitoring station was installed in the DCTV Fire house at 87 Lafayette St.
- * The location of monitoring stations presented is referential. Air/Noise 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

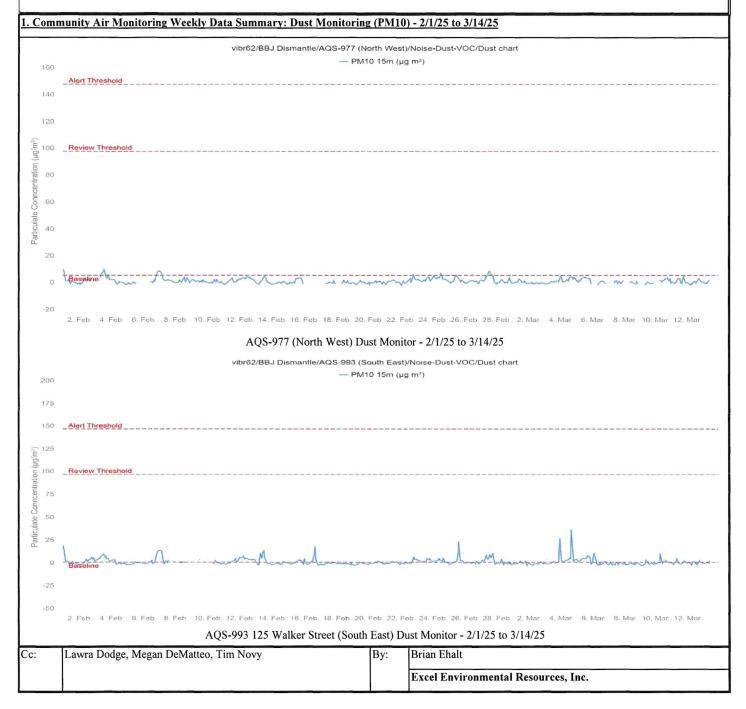
Cc: Lawra Dodge, Megan DeMatteo, Tim Novy

By: Brian Ehalt

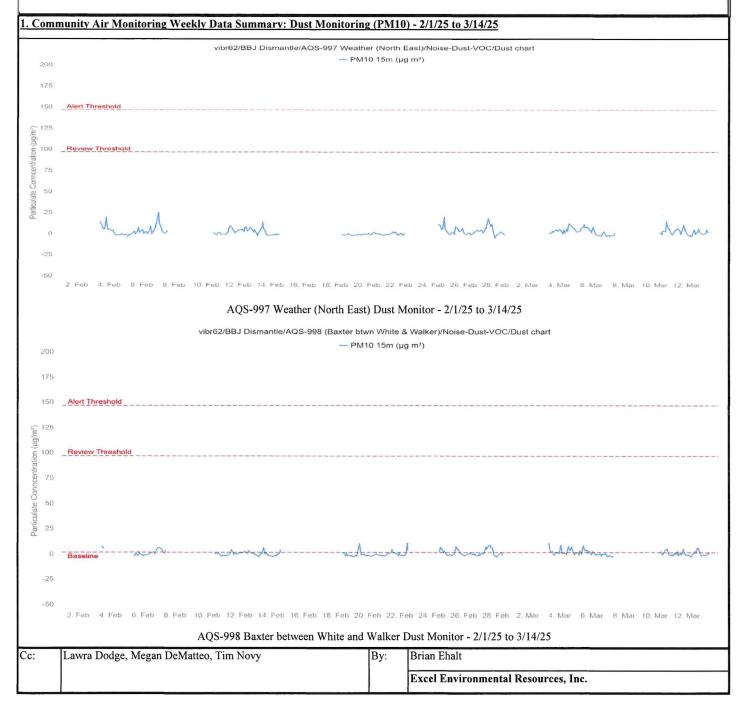




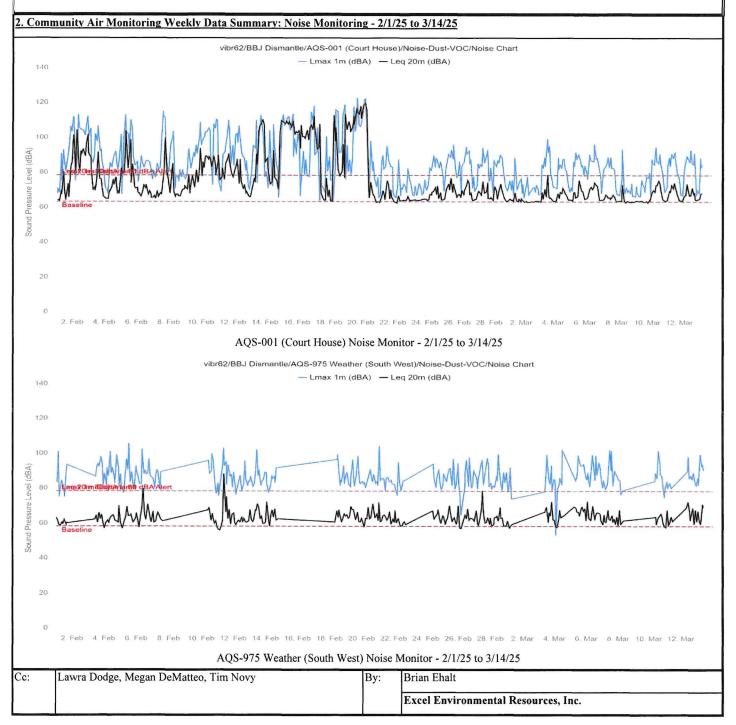




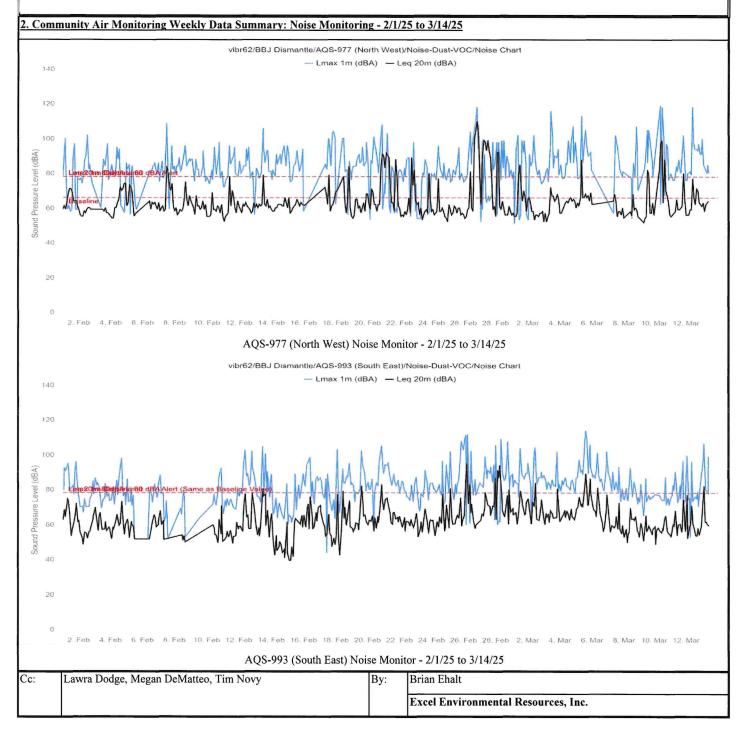




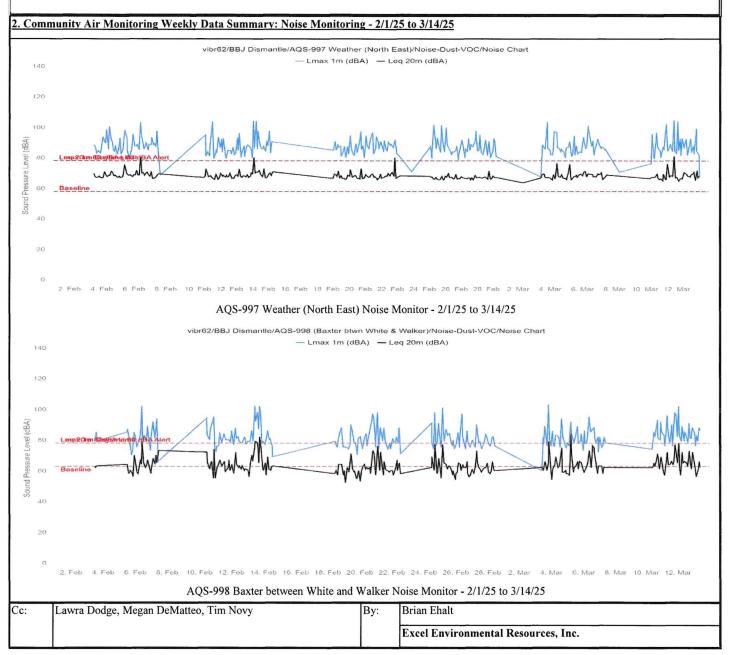




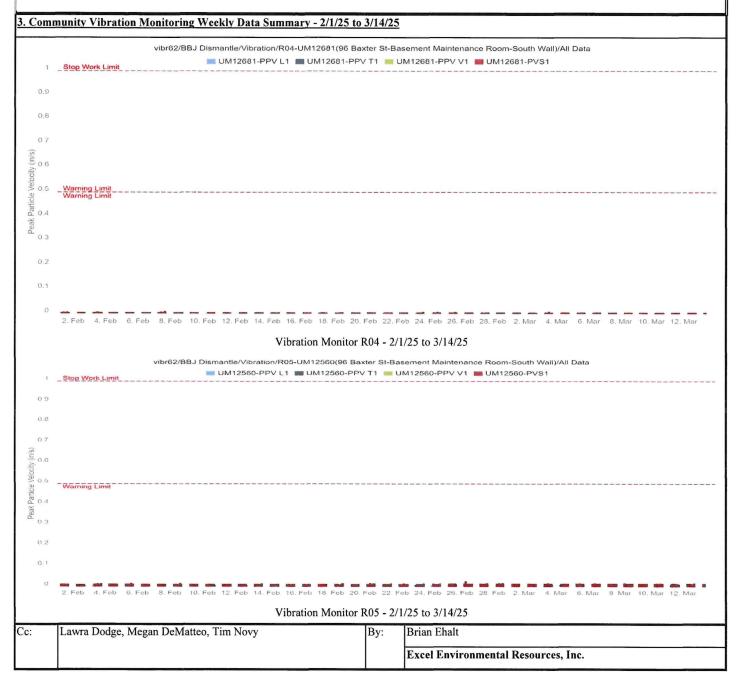




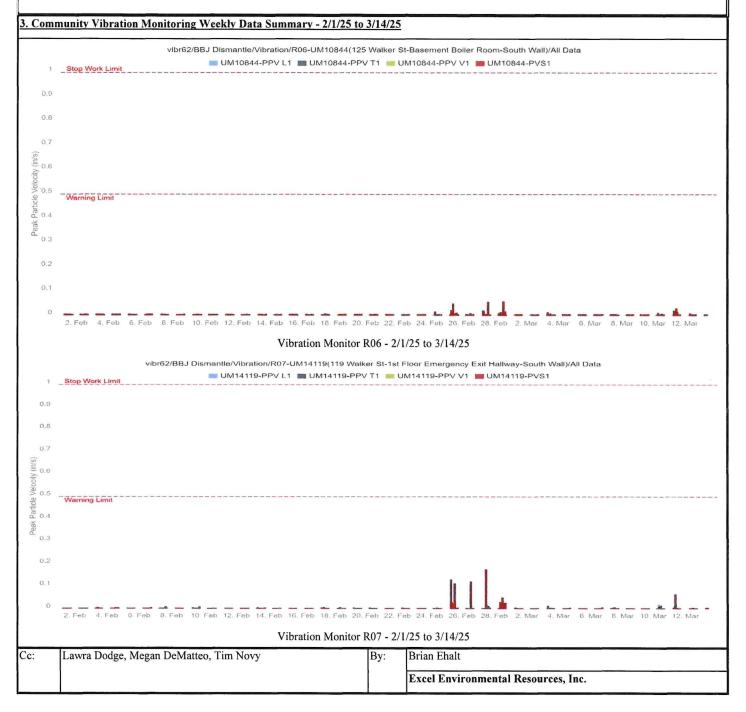




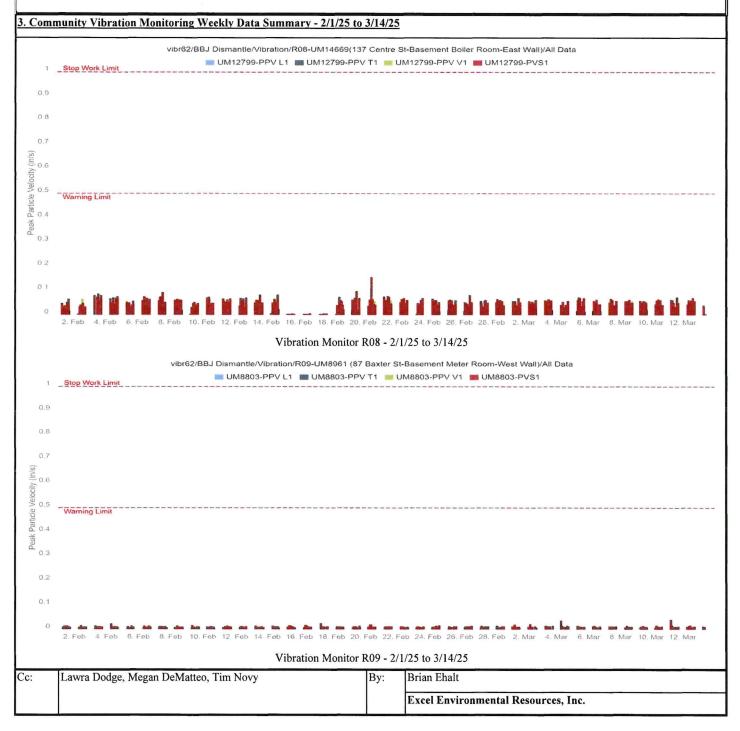




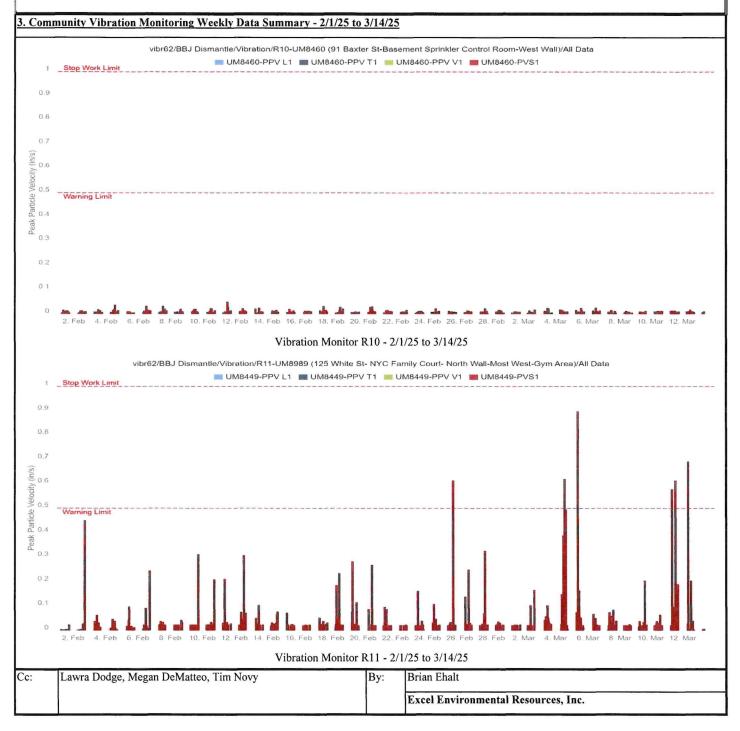




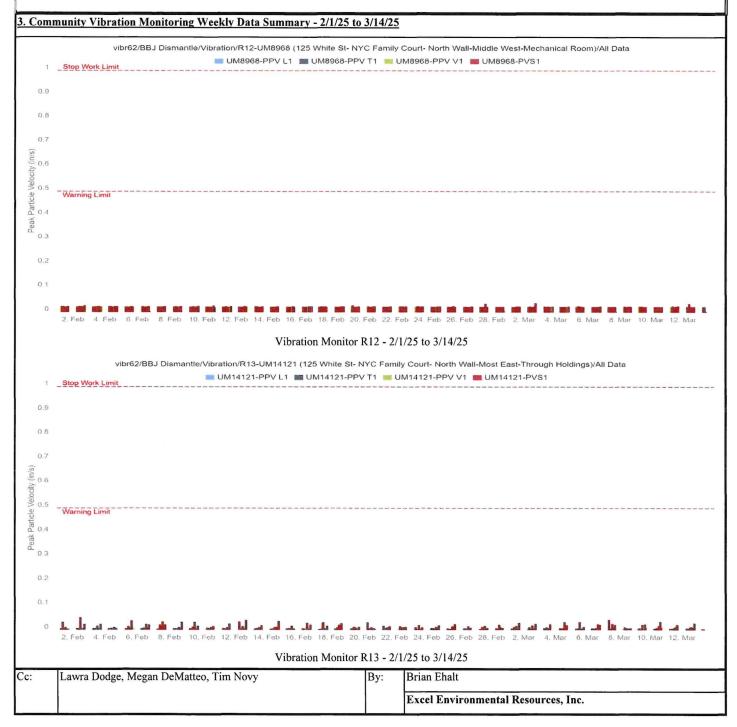




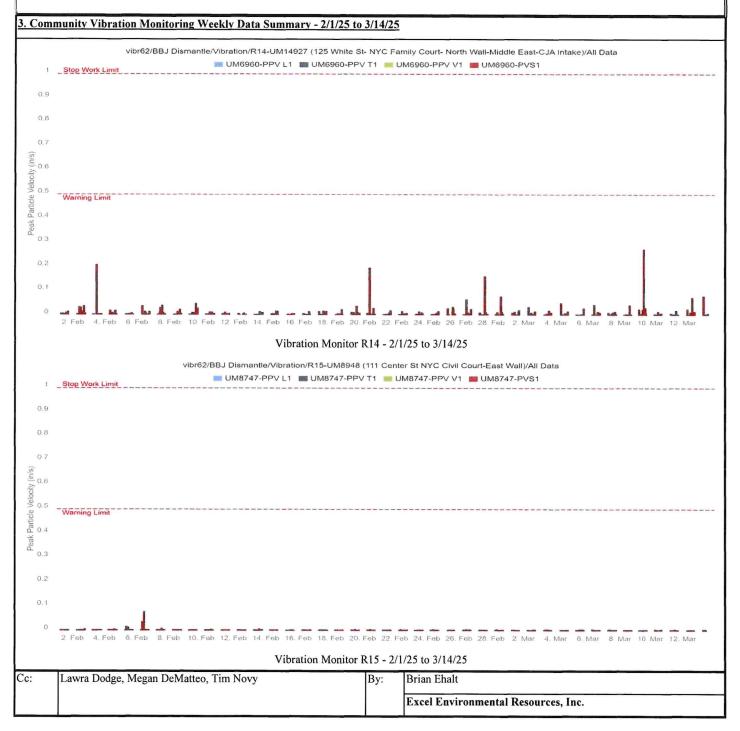




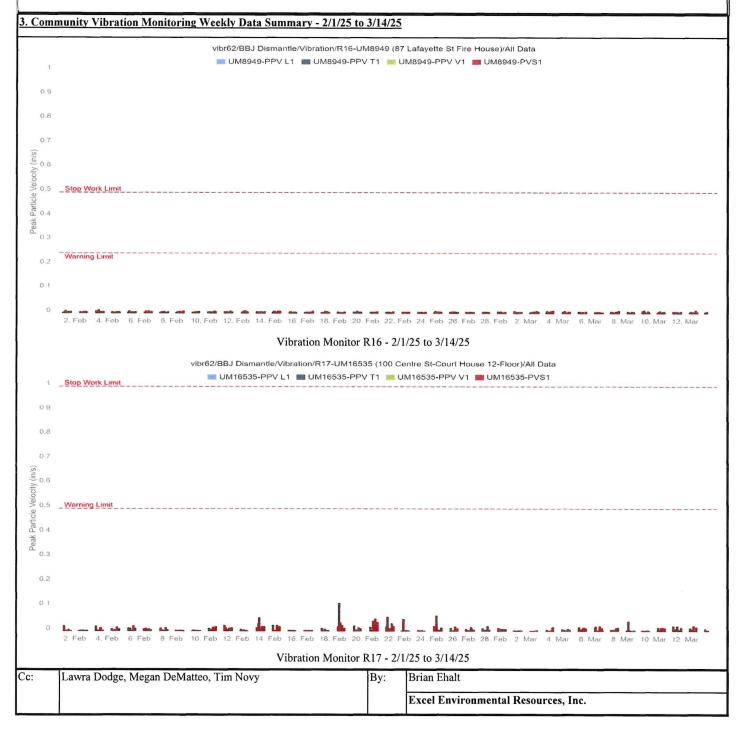














Photographic Summary: Photo 1: View of the southwest corner of the courthouse wall brick work remaining. Photo 2: View of southeast corner of courthouse showing remaining concrete structure to be dismantled, 03-12-2025.





Photo 3: View of southeast corner of courthouse showing remaining concrete structure to be dismantled, 03-12-2025.

Photo 4: View of Chung Pak south wall showing North Tower Gym Wall removed and filled former basement area, 03-12-2025.





Cc:

Lawra Dodge, Brian Ehalt, Tim Novy

By: M. DeMatteo



Photo 5: View of flashing installation on the south wall Chung Pak building, 03-12-2025.

Photo 6: View of south wall Chung Pak building showing flashing installation progress, 03-12-2025.





Photo 7: View of construction entrance from inside the construciton fence Photo 8: View of courthhouse showing 3rd & 12th Floor Infills, 03-12-2025. line, 03-12-2025.





Cc:

Lawra Dodge, Brian Ehalt, Tim Novy

By: M. DeMatteo



Photo 9: View of construction site facing east showing updated ground cover conditions, 03-12-2025.

Photo 10: Site entrance showing no dust/particulate tracking, 03-12-2025.





Photo 11: View of Site from Baxter Street looking south towards the courthouse showing the brick work area and infill, 03-12-25.

Photo 12: View of Baxter Street looking north showing the Chung Pak Building, 03-12-25.





Cc:

Lawra Dodge, Brian Ehalt, Tim Novy

By: M. D

M. DeMatteo