

**AIR, NOISE AND VIBRATION  
MONTHLY MONITORING REPORT  
Number 001**

Prepared By:

|                         |   |   |
|-------------------------|---|---|
| <b>DDC. Project ID:</b> | BBJ K-DSS   | <b>Period Start:</b> 12/01/22 <b>End</b> 12/31/22 |
| <b>Project Name:</b>    | NYC Borough Based Jails System – Brooklyn Dismantle and Swing Space Project |   |
| <b>DDC Pin No.:</b>     | 8502020CR0043P  |   |

**1) Community Air Monitoring Monthly Status Summary**

TWA – Time Weighted Average  
ug/m<sup>3</sup>- 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<br>(100 ug/m <sup>3</sup> 15-minute TWA) | Comments                            |
|-------------------------------|--|---|-------------------------------------|
| 21                            | 31                                       | 0   | No mitigation actions were required |
|                               |  |   |                                     |

**Community Air Monitoring Excursions and Corrective Actions**

Action Concentration = 100 ug/m<sup>3</sup> 15 minute TWA above background concentration  
Stop Work Concentration = 150 ug/m<sup>3</sup> 15 minute TWA above background concentration

| Date: Time   | Maximum Dust Reading Before Corrective Action<br>15 Minute TWA<br>(ug/m <sup>3</sup> ) | Maximum Dust Reading After Corrective Action<br>15 Minute TWA<br>(ug/m <sup>3</sup> ) | Corrective Action                   |
|--------------|--|---|-------------------------------------|
| None to Date | No Exceedance  | N/A   | No mitigation actions were required |
|              |  |   |                                     |
|              |  |   |                                     |
|              |  |   |                                     |
|              |  |   |                                     |

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

*During the month of December 2022, air monitoring devices were in continuous operation at the project site recording construction-related levels of Particulate Matter (PM). PM10 levels **did not** surpass Daily Permissible Exposure Limits (PEL) during this month as set by federal standards for the 24-hour Time Weighted Average (TWA), or daily value and did not trigger notifications to the project management construction team or contractor specific to air quality exceedances that could potentially impact the public or on-site workers.*

*The contractor, NorthStar Contracting Group, Inc. in with their environmental specialist, will implement mitigation techniques at Action Levels as well as Exceedances of Exposure Limits (15-minute TWA) to suppress construction activity effects on air quality when warranted throughout the Project work-zone.*

*No corrective actions or mitigations measures were required this month.*

**2) Community Noise Monitoring Monthly Summary**

Units are 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 | Comments                            |
|-------------------------------|--|---|-------------------------------------|
| 21                            | 31   | 0   | No mitigation actions were required |
|                               |  |   |                                     |

**Community Noise Monitoring Excursions and Corrective Actions**

Action Level = 3.00 dBA above background

Stop Work Level = 5.00 dBA above background

| Date: Time   | Maximum Noise Reading before Corrective Action (DBA) | Maximum Noise Reading after Corrective Action (DBA) | Corrective Action                   |
|--------------|--|---|-------------------------------------|
| None to Date | No Exceedance  | N/A   | No mitigation actions were required |
|              |  |   |                                     |
|              |  |   |                                     |
|              |  |   |                                     |
|              |  |   |                                     |
|              |  |   |                                     |

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

*During the month of December 2022, noise monitoring devices were in continuous operation at the project site recording construction-related noise levels in units of (DBA). DBA levels **did not** surpass the Noise Limits identified by Local Law 113 during this month and did not cause noise concerns for the surrounding community. There were no notification triggers to the project management team or contractor specific to noise exceedances that could potentially impact the public or on-site workers.*

*The contractor, NorthStar Contracting Group, Inc. in conjunction with their environmental specialist, will implement mitigation techniques at Action Levels as well as Exceedances of Exposure Limits to suppress construction activity effects on noise when warranted throughout the Project work-zone.*

*No corrective actions or mitigations measures were required this month.*

**3) Community Vibration Monitoring Monthly Summary**

Units are 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 | Comments                            |
|-------------------------------|--|---|-------------------------------------|
| 21                            | 31   | 0   | No mitigation actions were required |
|                               |  |   |                                     |

**Community Vibration Monitoring Excursions and Corrective Actions**

Action Level = 0.50 in/s above background  
Stop Work Level = 1.00 in/s above background

| Date: Time   | Maximum Vibration Level before Corrective Action (in/sec) | Maximum Vibration Level after Corrective Action (in/sec) | Corrective Action                   |
|--------------|---|--|-------------------------------------|
| None to Date | No Exceedance   | N/A  | No mitigation actions were required |
|              |   |  |                                     |
|              |   |  |                                     |

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

*During the month of December 2022, vibration monitoring devices were in continuous operation at the project site recording construction-related vibration levels measured in inches per second (in/sec) or IPS. These levels **did not** surpass Daily Permissible Exposure Limits (DPEL) during this month as set by Action Levels = 0.5 in/sec above backgrounds and Stop Work Levels = 1.0 in/sec above backgrounds, had no recordings that trigger notifications to the project management team or contractor specific to vibration exceedances that could potentially impact building structures adjacent to the project site.*

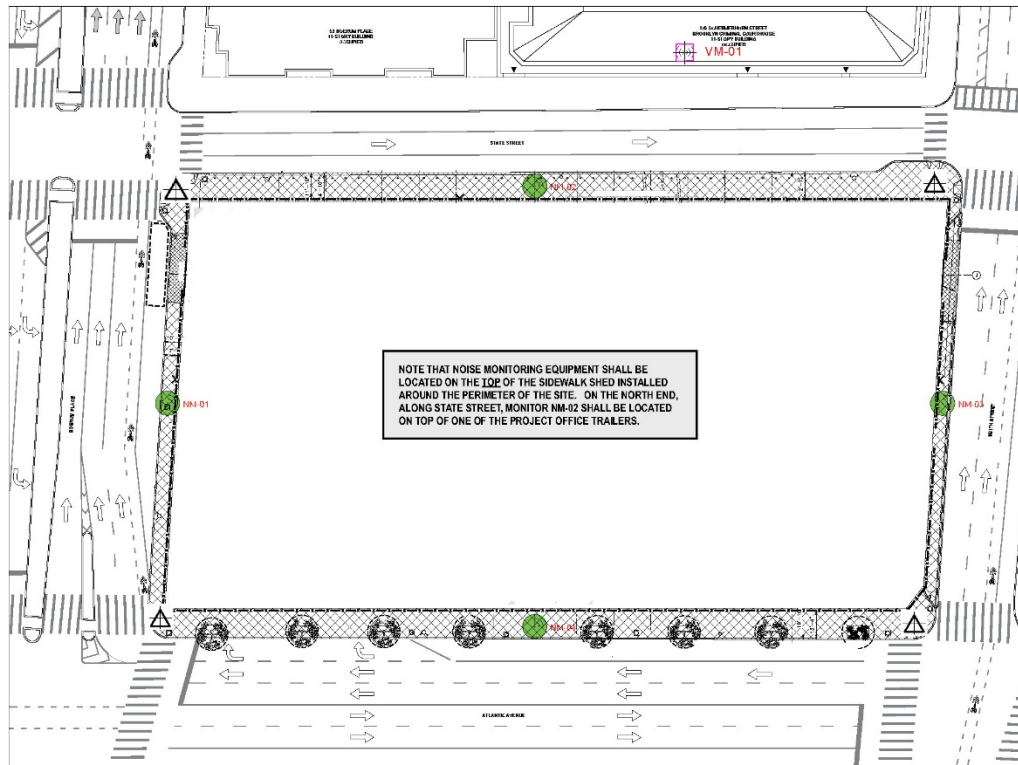
*The contractor, NorthStar Contracting Group, Inc. in conjunction with their environmental specialist, will implement mitigation techniques at Action Levels as well as Exceedances to suppress construction activity effects that causes vibration when warranted throughout the Project work-zone.*

*No corrective actions or mitigations measures were required this month.*

**ATTACHMENTS:**

- 1 – Map of monitoring station/locations
- 2 – Data Plots (Please add title to all the graphs)
- 3 – Baseline Reference

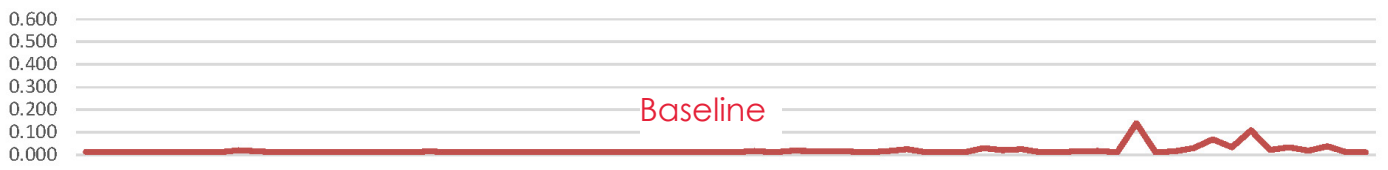
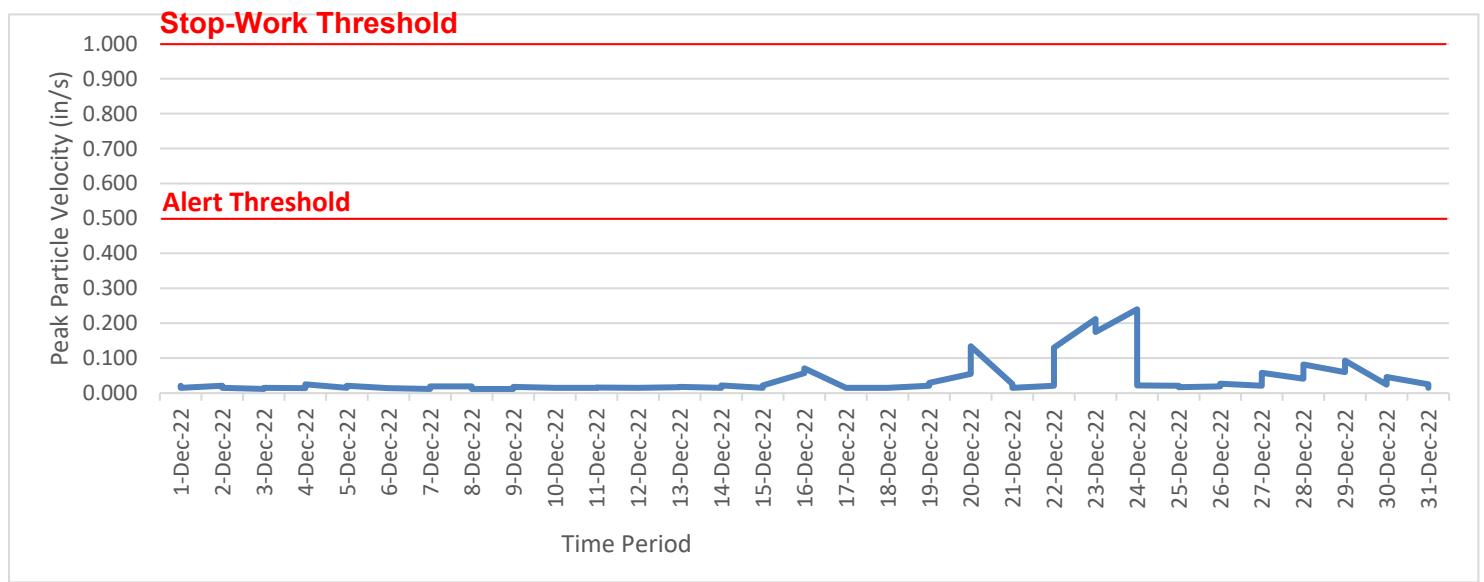
Map of Monitoring Locations:



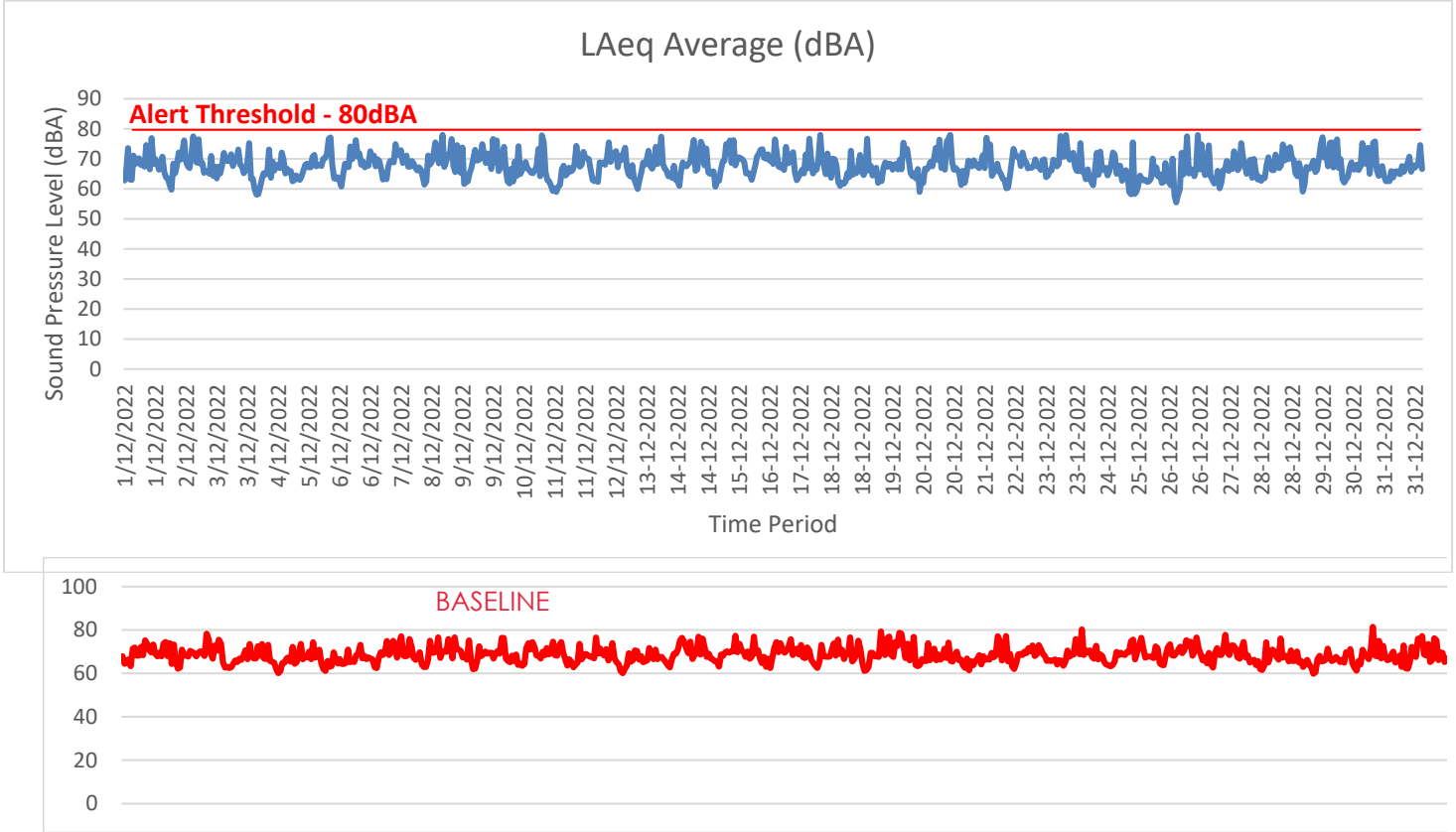
PROJ: 272 ATLANTIC AVE, BROOKLYN  
 DATE: 12/01/2022  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]  
 SCALE: AS SHOWN  
 SHEET: 101

LEGEND  
 [Symbol] Vibration Monitor (VM)  
 [Symbol] Air Monitoring Station (AM)  
 [Symbol] Noise Monitoring Station (NM)

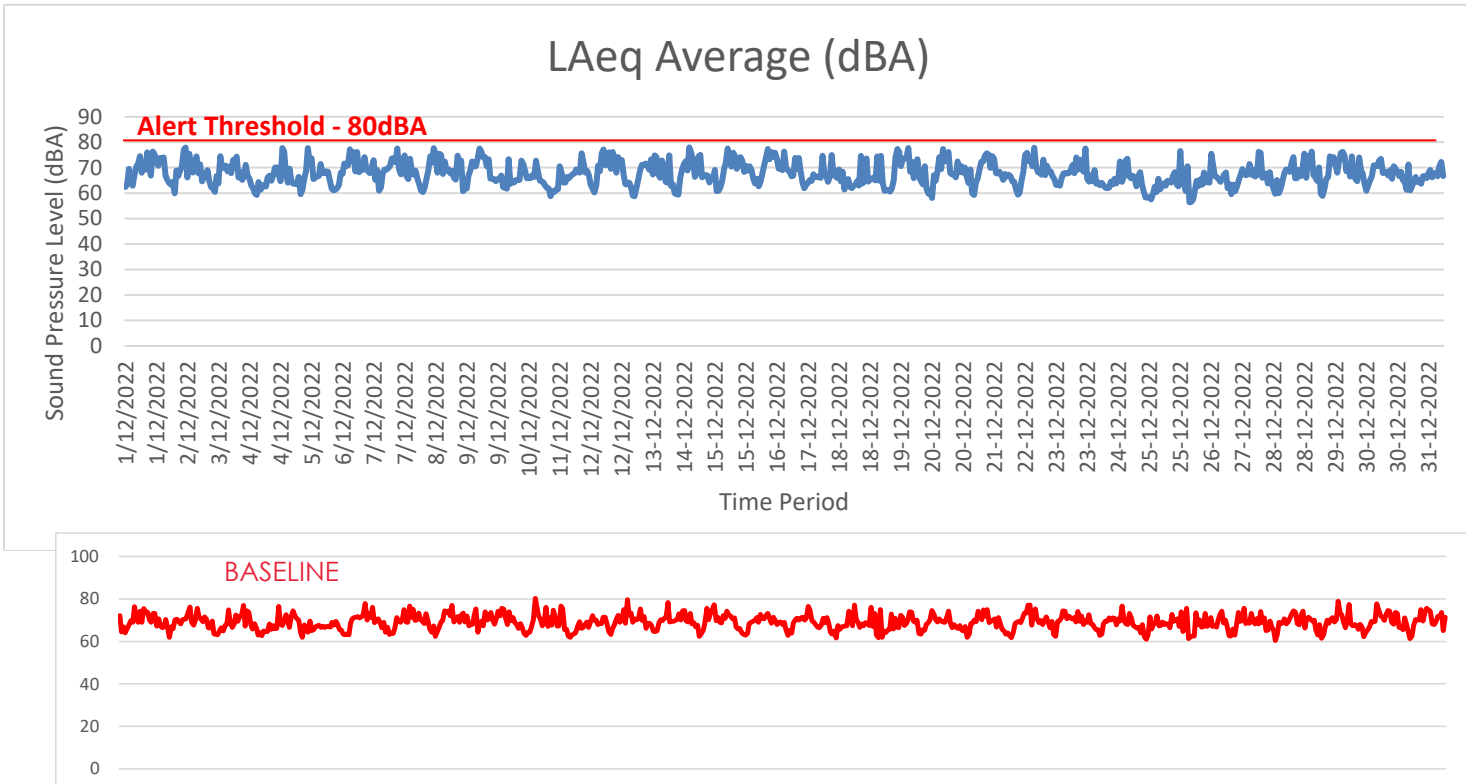
Vibration Monitor – VM-01 – December 2022:



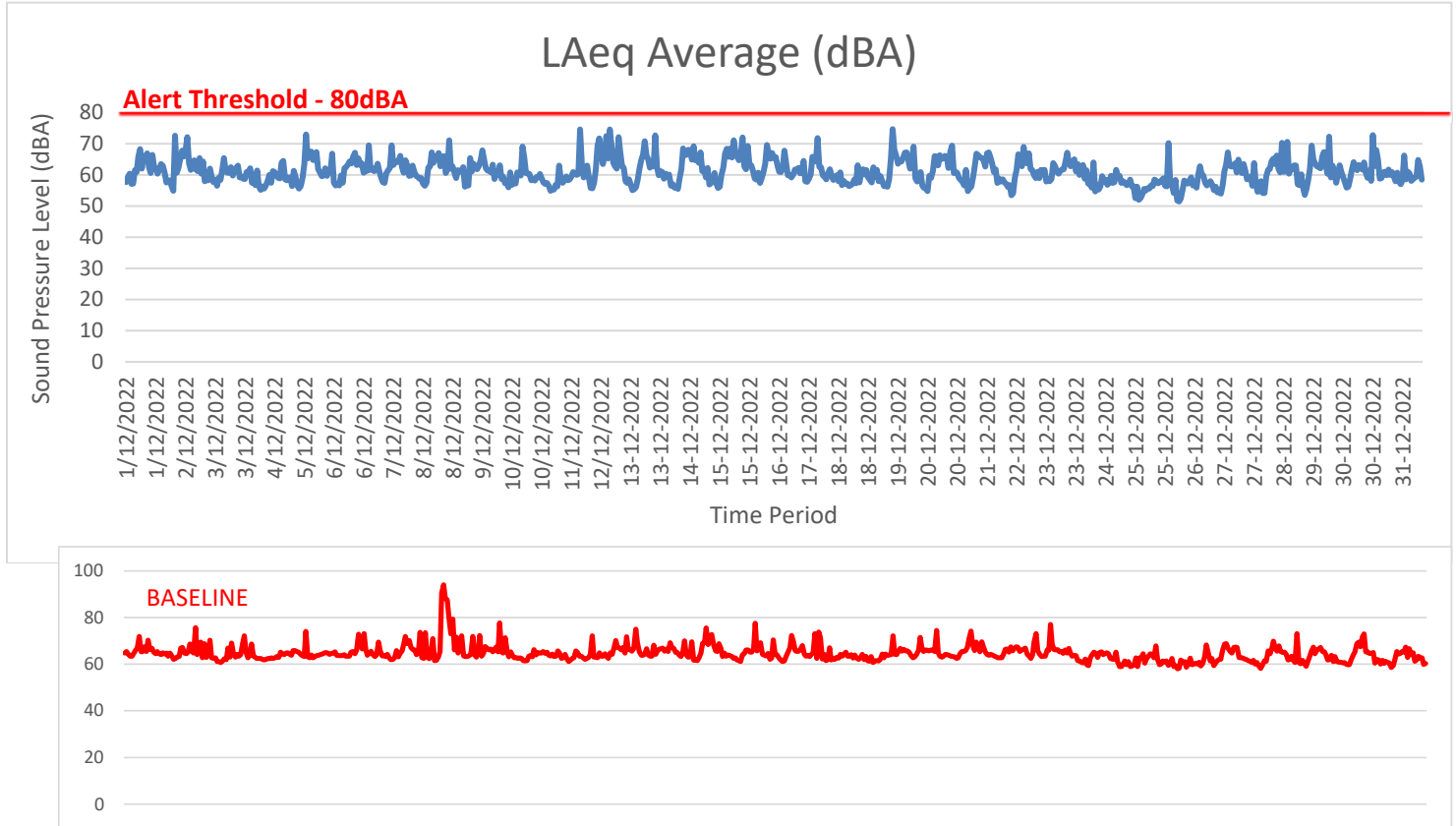
Noise Monitoring Unit #1492 - (Smith Street) – December 2022:



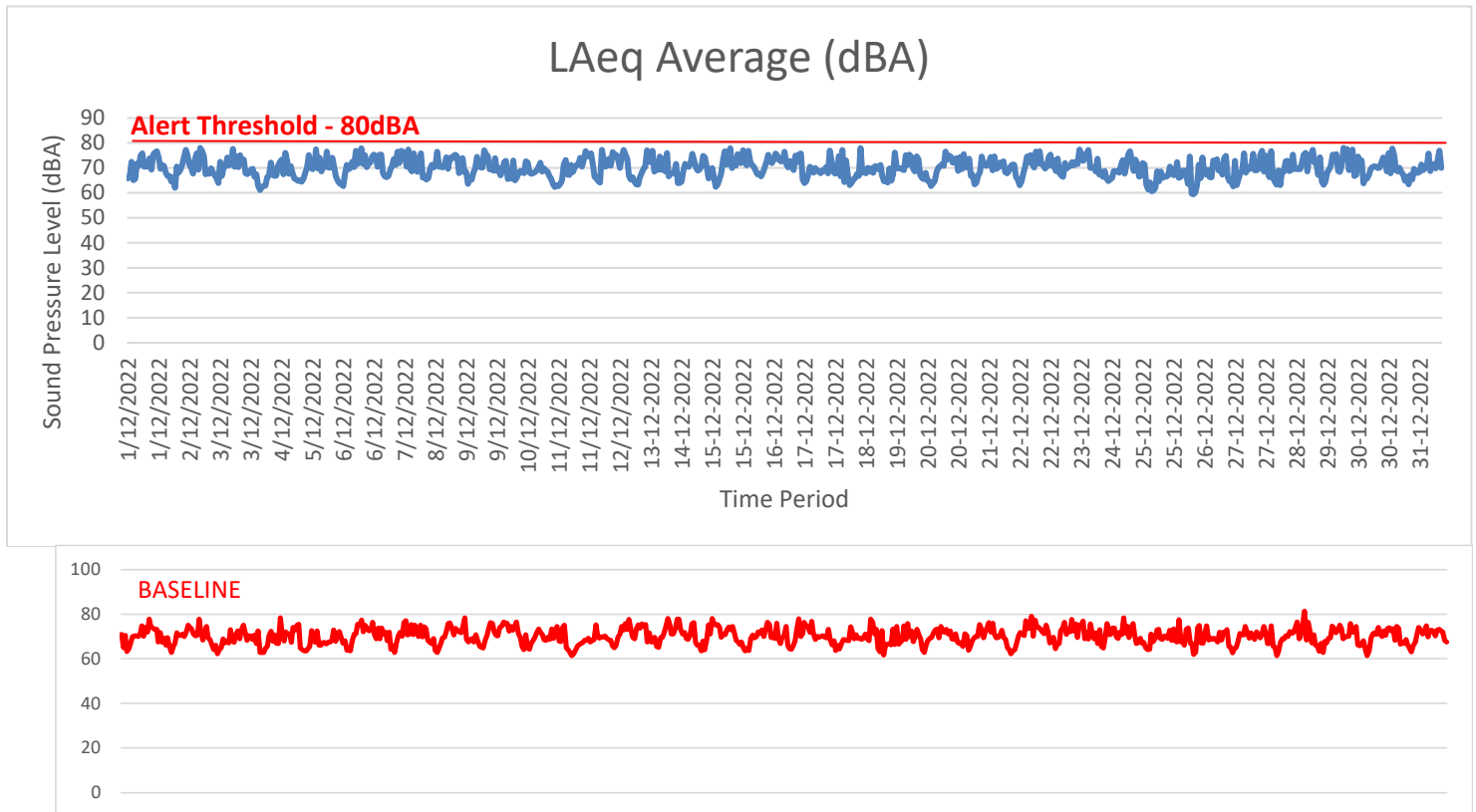
Noise Monitoring Unit #1493 - (Boerum Street) – December 2022:



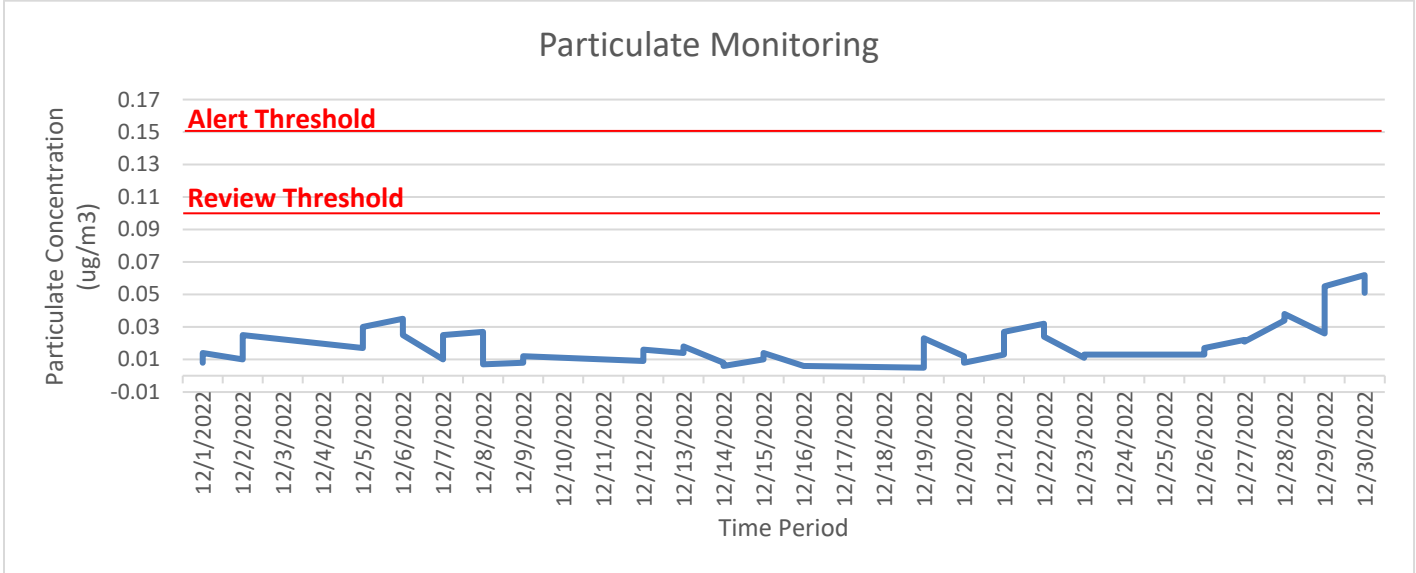
Noise Monitoring Unit #1494 - (State Street) – December 2022:



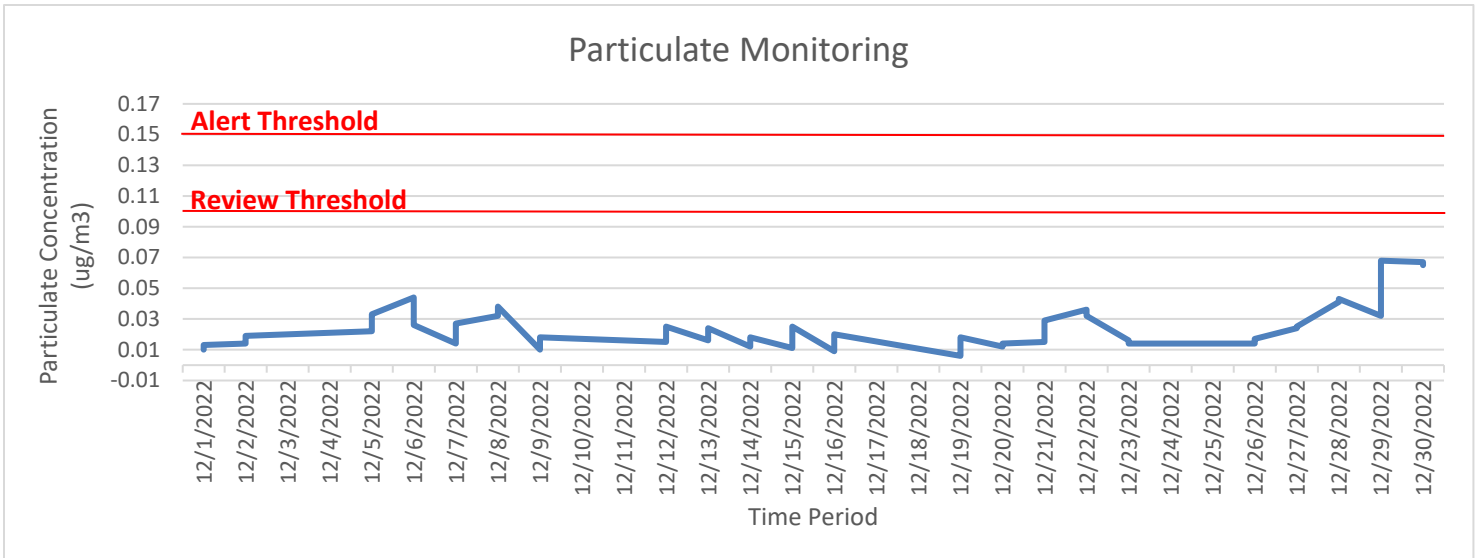
Noise Monitoring Unit #1532 - (Atlantic Avenue) – December 2022:



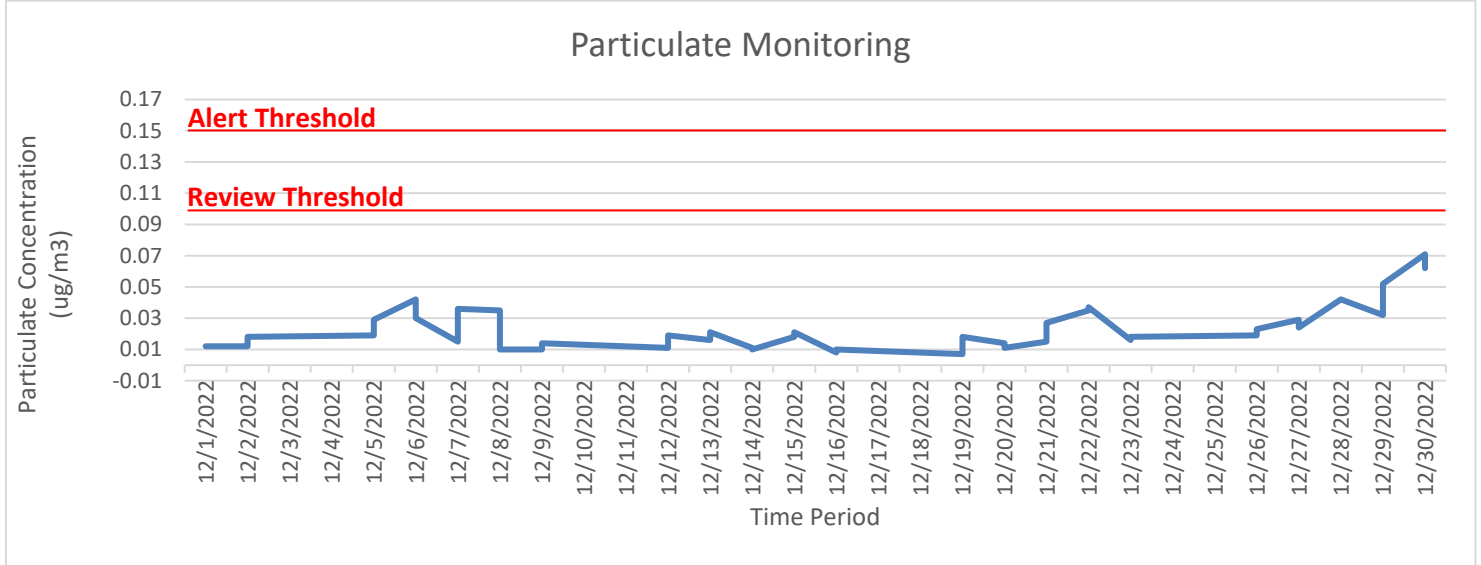
Dust Monitoring Unit – NW Corner – December 2022:



Dust Monitoring Unit – SE Corner – December 2022:



Dust Monitoring Unit – SW Corner – December 2022:



Dust Monitoring Unit – NE Corner – December 2022:

