

AIR, NOISE AND VIBRATION MONTHLY MONITORING REPORT July 2026

Prepared By:

Leon D. DeMatteis Construction Corp.

DDC. Project ID:	BBJ QFAC	Period Start: 7/1/26 End 7/31/26
Project Name:	Queens Borough-Based Jail Facility	
DDC Pin No.:	85025I8002KXL	

1) Community Noise Monitoring Monthly Summary

Units: A weighted decibels (dBA) level

Number of Workdays this Month	Number of Noise Monitoring Days this Month	Number of Days with Noise Levels above the Stop Work Limit this Month	Comments
22	31	25	73 exceedances were recorded over 31 days. These occurred on 7/1/26, 7/3/26, 7/4/26, 7/6/26, 7/7/26, 7/8/26, 7/9/26, 7/15/26, 7/16/26, 7/18/26, 7/29/26, 7/30/26, and 7/31/26 and are detailed below.

Community Noise Monitoring Excursions and Corrective Actions

Leq 10 min during weekday daytime hours = 80 dBA

Leq 10 min during weekday nighttime and weekend hours = 75 dBA

Date: Time	Maximum Noise Level before Response Action (dBA)	Maximum Noise Level after Response Action (dBA)	Response Action
NM-001 7/4/26 9:40pm	75.8	N/A	Exceedance was recorded during nonconstruction hours.
NM-001 7/4/26 9:50pm	77.8	N/A	Exceedance was recorded during nonconstruction hours.
NM-001 7/4/26 11:00pm	75.1	N/A	Exceedance was recorded during nonconstruction hours.
NM-001 7/18/26 12:20pm	80.2	N/A	Exceedance was recorded during nonconstruction hours.
NM-002 7/4/26 9:50pm	75.9	N/A	Exceedance was recorded during nonconstruction hours.
NM-002 7/6/26 12:00am	76.1	N/A	Exceedance was recorded during nonconstruction hours.
NM-002 7/15/26 1:20pm	83	77.6	Stopped work and repositioned mini backhoe, ensuring levels were reduced to below 80 dBA.
NM-002 7/15/26 2:20pm	82.6	78.6	Stopped work and repositioned mini backhoe, ensuring levels were reduced to below 80 dBA.
NM-003 7/15/26 1:30pm	81.2	74.7	Stopped work and repositioned mini backhoe, ensuring levels were reduced to below 80 dBA.
NM-004 7/8/26 12:00pm	80.7	78.6	Stopped work and adjusted the auger used to dig holes for fencing, ensuring levels were reduced to below 80 dBA.
NM-004 7/8/26 12:10pm	80.9	78.6	Stopped work and adjusted the auger used to dig holes for fencing, ensuring levels were reduced to below 80 dBA.
NM-004 7/8/26 12:20pm	81.0	78.6	Stopped work and adjusted the auger used to dig holes for fencing, ensuring levels were

			reduced to below 80 dBA.
NM-004 7/8/26 12:40pm	81.1	73.9	Stopped work and adjusted the auger used to dig holes for fencing, ensuring levels were reduced to below 80 dBA.
NM-004 7/18/26 11:50am	85.5	N/A	Exceedance was recorded during nonconstruction hours.
NM-004 7/18/26 12:00pm	84	N/A	Exceedance was recorded during nonconstruction hours.
NM-004 7/18/26 12:20pm	82.9	N/A	Exceedance was recorded during nonconstruction hours.
NM-004 7/29/26 7:40pm	76.0	N/A	Exceedance was recorded during nonconstruction hours.
NM-004 7/30/26 7:00am	85.4	N/A	adding solar panels on the monitors with drill may have caused the dBA to reach over 80, no corrective actions were taken.
NM-004 7/30/26 6:40pm	78.3	N/A	Exceedance was recorded during nonconstruction hours.
NM-004 7/30/26 6:50pm	87.5	N/A	Exceedance was recorded during nonconstruction hours.
NM-005 7/4/26 9:00pm	75.8	N/A	Exceedance was recorded during nonconstruction hours.
NM-005 7/4/26 9:10pm	75.4	N/A	Exceedance was recorded during nonconstruction hours.
NM-005 7/4/26 9:20pm	75.3	N/A	Exceedance was recorded during nonconstruction hours.
NM-005 7/4/26 9:30pm	75.8	N/A	Exceedance was recorded during nonconstruction hours.
NM-005 7/4/26 9:40pm	75.9	N/A	Exceedance was recorded during nonconstruction hours.
NM-005 7/4/26 9:50pm	77.0	N/A	Exceedance was recorded during nonconstruction hours.
NM-005 7/4/26 10:40pm	75.4	N/A	Exceedance was recorded during nonconstruction hours.
NM-005 7/8/26 12:40pm	94.8	70.1	Stopped work and adjusted the auger used to dig holes for fencing, ensuring levels were reduced to below 80 dBA.
NM-005 7/9/26 7:40pm	81.4	N/A	Exceedance was recorded during nonconstruction hours.
NM-005 7/15/26 10:30am	83.2	69.4	Stopped work and repositioned mini backhoe, ensuring levels were reduced to below 80 dBA.
NM-005 7/16/26 9:40pm	76.7	N/A	Exceedance was recorded during nonconstruction hours.
NM-005 7/18/26 12:20pm	84.1	N/A	Exceedance was recorded during nonconstruction hours.
NM-005 7/31/26 2:30pm	83		Stopped work and adjusted location of excavator, ensuring levels were reduced to below 80 dBA.
NM-005 7/31/26 2:40pm	87.6	63.5	Stopped work and adjusted location of excavator, ensuring levels were reduced to below 80 dBA.
NM-005 7/31/26 2:50pm	89.1	63.5	Stopped work and adjusted location of excavator, ensuring levels were reduced to below 80 dBA.
NM-005 7/31/26 3:00pm	86.3	63.5	Stopped work and adjusted location of excavator, ensuring levels were reduced to below 80 dBA.
NM-006 7/1/26 5:40pm	75.4	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/4/26 9:00pm	75.8	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/4/26 9:10pm	75.3	N/A	Exceedance was recorded during nonconstruction hours.

NM-006 7/4/26 9:20pm	75.6	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/4/26 9:30pm	75.8	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/4/26 9:40pm	76.6	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/4/26 9:50pm	76.6	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/4/26 10:40pm	76.9	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/7/26 5:10pm	75.1	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/7/26 5:30pm	75.6	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/7/26 5:40pm	75.5	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/7/26 5:50pm	75.2	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/7/26 6:00pm	75.4	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/7/26 6:10pm	75.5	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/7/26 6:20pm	75.7	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/7/26 6:30pm	76.0	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/7/26 6:40pm	75.6	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/7/26 6:50pm	75.8	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/8/26 12:40pm	85.8	72.5	Stopped work and adjusted the auger used to dig holes for fencing, ensuring levels were reduced to below 80 dBA.
NM-006 7/8/26 5:30pm	75.7	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/8/26 5:40pm	75.9	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/8/26 5:50pm	76.0	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/8/26 6:00pm	75.6	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/8/26 6:10pm	75.4	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/8/26 6:20pm	75.7	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/8/26 6:30pm	75.4	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/8/26 6:40pm	75.2	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/8/26 6:50pm	75.2	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/15/26 10:30am	81.5	79.4	Stopped work and repositioned mini backhoe, ensuring levels were reduced to below 80 dBA.
NM-006 7/16/26 9:40pm	81.5	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/18/26 12:20pm	85	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/30/26 3:40pm	75.5	N/A	Exceedance was recorded during nonconstruction hours.
NM-006 7/31/26 10:20am	80.1	79.9	Stopped work and adjusted location of excavator, ensuring levels were reduced to below 80 dBA.

NM-006 7/31/26 1:50pm	80.2	78	Stopped work and adjusted location of excavator, ensuring levels were reduced to below 80 dBA.
NM-007 7/3/26 4:20pm	79.2	N/A	Exceedance was recorded during nonconstruction hours.
NM-007 7/16/26 9:40pm	77.6	N/A	Exceedance was recorded during nonconstruction hours.
NM-007 7/18/26 12:20pm	82.9	N/A	Exceedance was recorded during nonconstruction hours.

Narrative Summary of Noise Monitoring, Excursions and Corrective Actions:

During the month of July 2026, a total number of 7 noise monitoring devices were in continuous operation of the project site recording construction related noise levels in units of dBA during the work hours, Monday-Friday 7am-3pm. There were 28 instances of noise above the 80 dBA limit, which occurred on 7/8/26, 7/9/26, 7/15/26, 7/16/26, 7/18/26, 7/30/26, and 7/31/26, and 45 instances of noise above the 75 dBA limit, that occurred on 7/1/26, 7/3/26, 7/4/26, 7/6/26, 7/7/16, 7/8/26, 7/16/26, 7/18/26, 7/29/26, and 7/30/26.

The exceedances recorded on 7/1/26, 7/3/26, 7/4/26, 7/6/26, 7/7/26, 7/9/26, 7/16/26, 7/18/26, 7/29/26, and 7/30/26 occurred outside construction hours; therefore, no corrective actions were taken.

For the exceedances recorded on 7/8/26, 7/15/26, 7/30/26, and 7/31/26, and during construction hours, work stopped, and corrective actions were implemented by:

7/8/26 - adjusting the auger used to dig holes for fencing, reducing levels to below 80 dBA.

7/15/26 – repositioning the mini backhoe, reducing levels to below 80 dBA.

7/30/26 - adding solar panels on the monitors with drill may have caused the dBA to reach over 80, no corrective actions were taken.

7/31/26 –adjusting location of excavator, reducing levels to below 80 dBA.

2) Community Vibration Monitoring Monthly Summary

Units: Inches per second (in/sec)

Number of Workdays in a Month	Number of Vibration Monitoring Days this Month	Number of Days with Vibration Levels above Stop Work Levels this Month	Comments
22	31	0	For the period of 7/1/26 to 7/31/26, no vibration monitor(s) recorded data that exceeded the review limit threshold.

Community Vibration Monitoring Excursions and Corrective Actions

Action Level = 0.5 in/sec above background

Stop Work Level = 1.0 in/sec above background

Date: Time	Maximum Vibration Level before Corrective Action (in/sec)	Maximum Vibration Level after Corrective Action (in/sec)	Corrective Action
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Narrative Summary of Vibration Monitoring, Excursions and Corrective Actions:

During the month of July 2026, a total number of 4 vibration monitoring devices were in continuous operation of the project site recording construction related vibration levels in units of (in/sec) during the work hours, Monday-Friday 7am-3pm. No vibration monitor(s) recorded data that exceeded the review limit threshold. Please note vibration monitoring graphs show gaps in data for VM-01, VM-02, VM-03, and VM 04, that were due to solar panel equipment being replaced on the monitor.



VIBRATION MONITORING REPORT



80-25 126th Street, Kew Gardens, NY 11415

Submitted by:

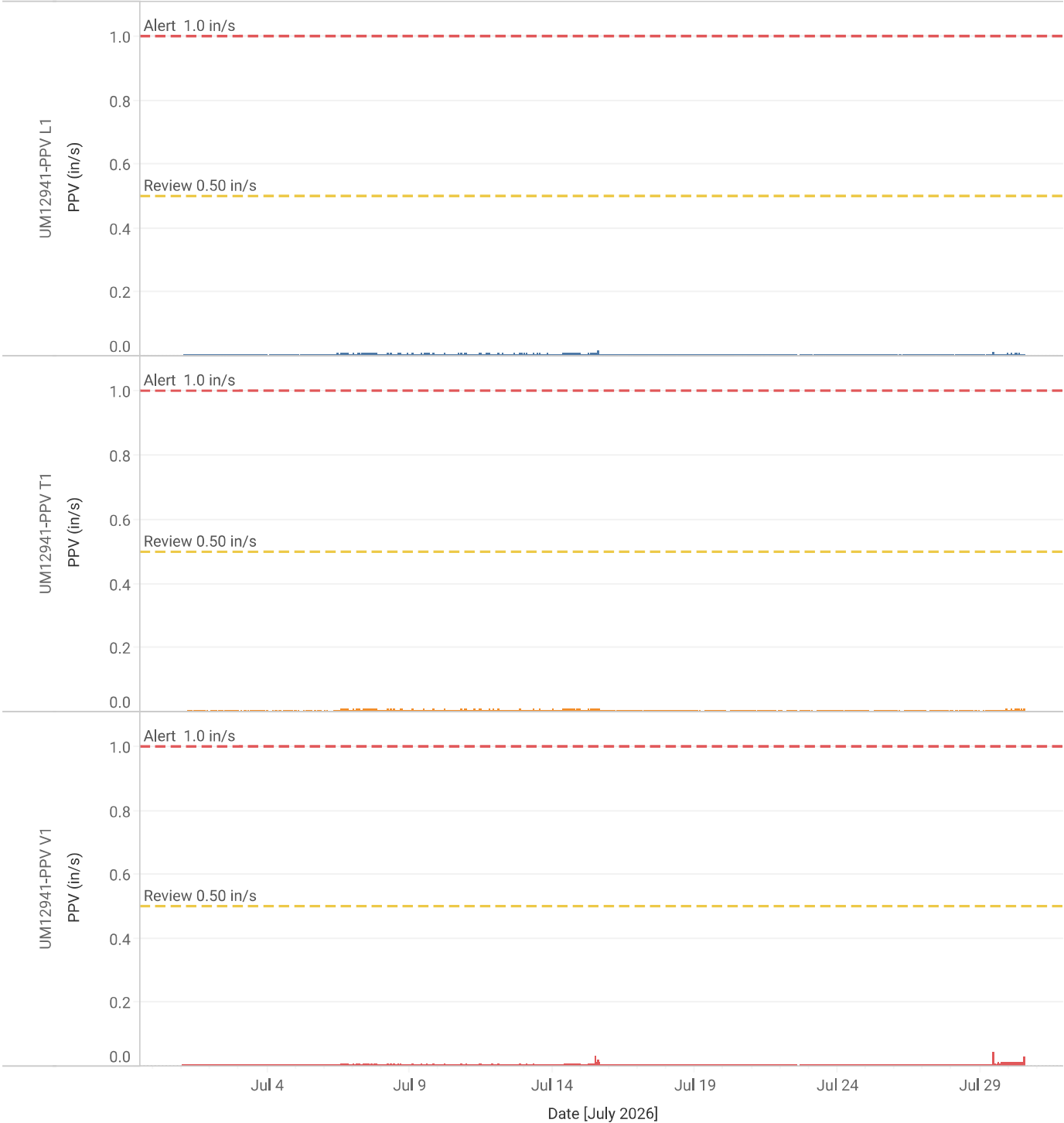
Hirani Engineering & Land Surveying, P.C.

Prepared For:

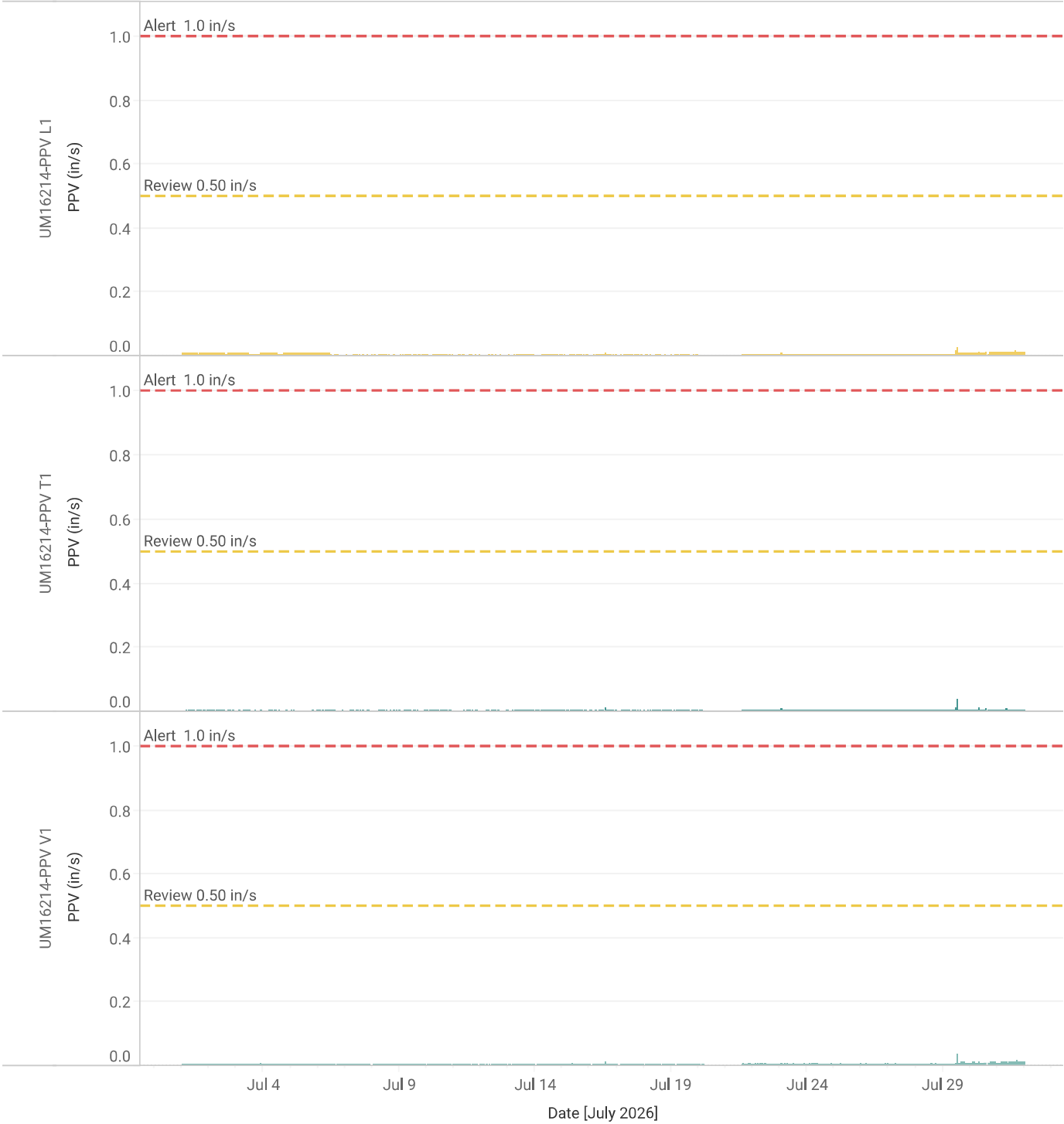
DeMatteis Organization

820 Elmont Road, Elmont, N.Y. 11003

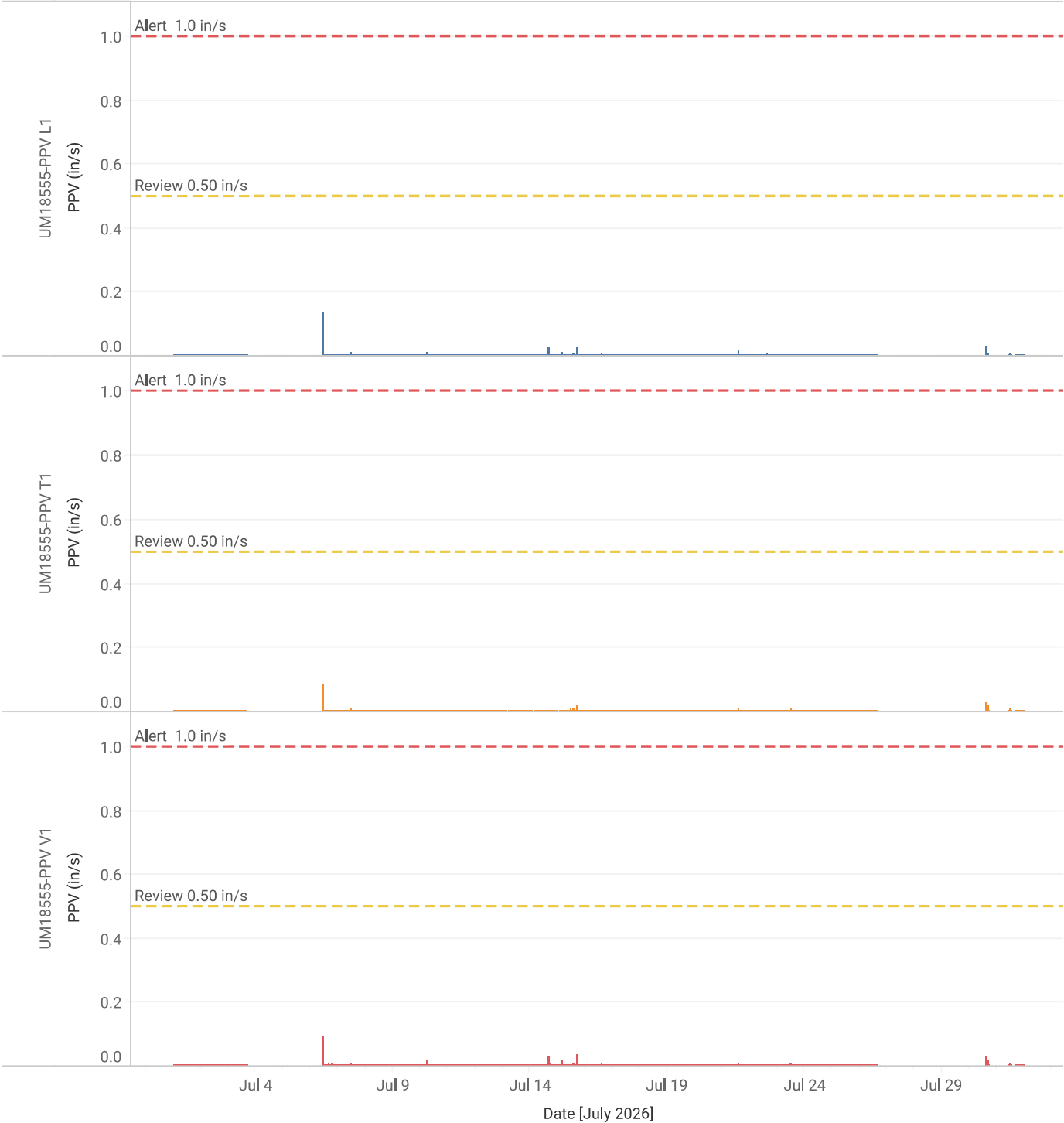
VM-01 UM12941



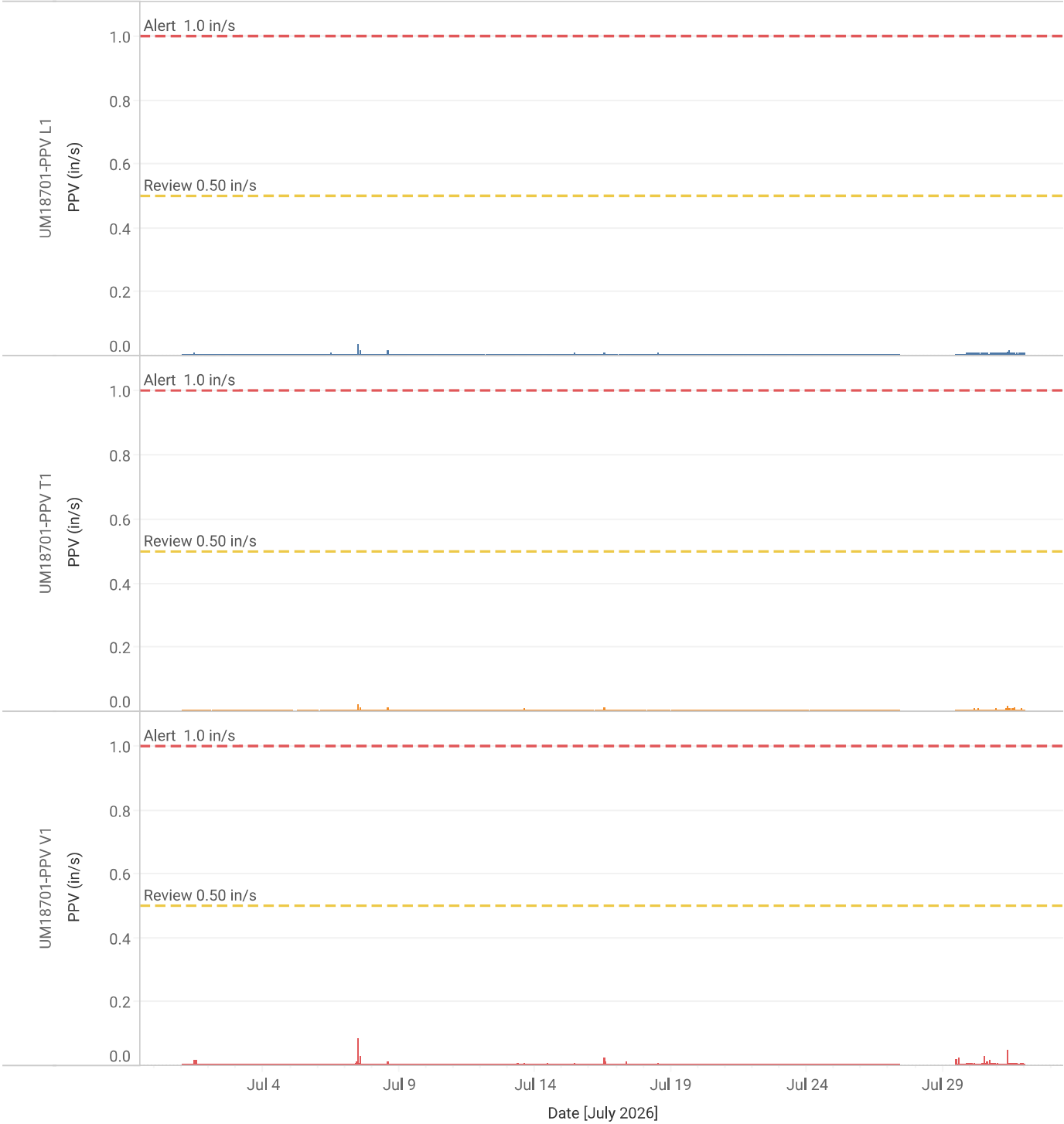
VM-02 UM16214



VM-03 UM18555



VM-04 UM18701



SOUND LEVEL MONITORING REPORT



80-25 126th Street, Kew Gardens, NY 11415

Submitted by:

Hirani Engineering & Land Surveying, P.C.

Prepared For:

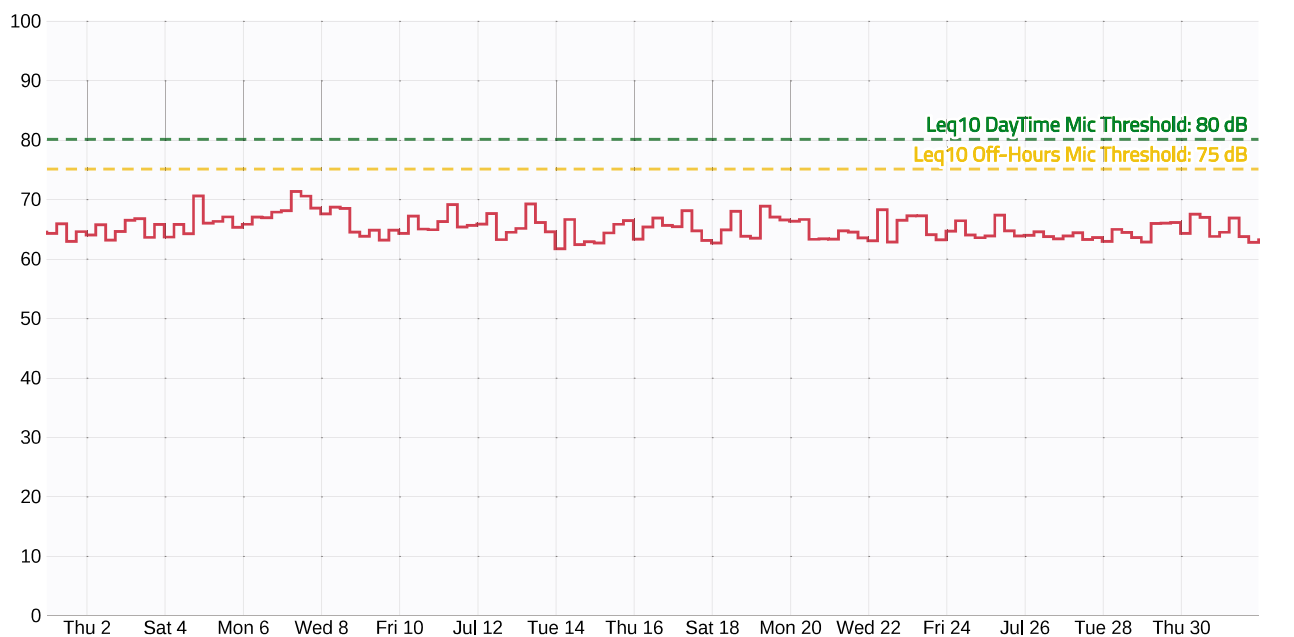
DeMatteis Organization

820 Elmont Road, Elmont, N.Y. 11003

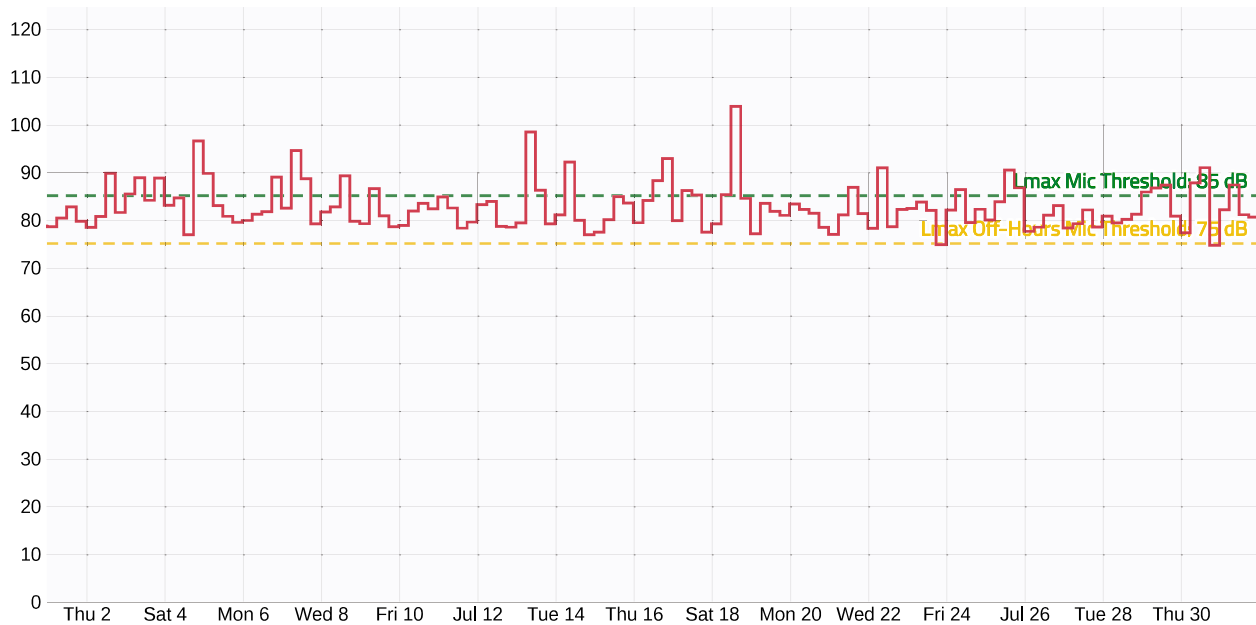
NM-001

Sound level trend for the selected report period.

Leq 10 Min



Lmax 5 Min



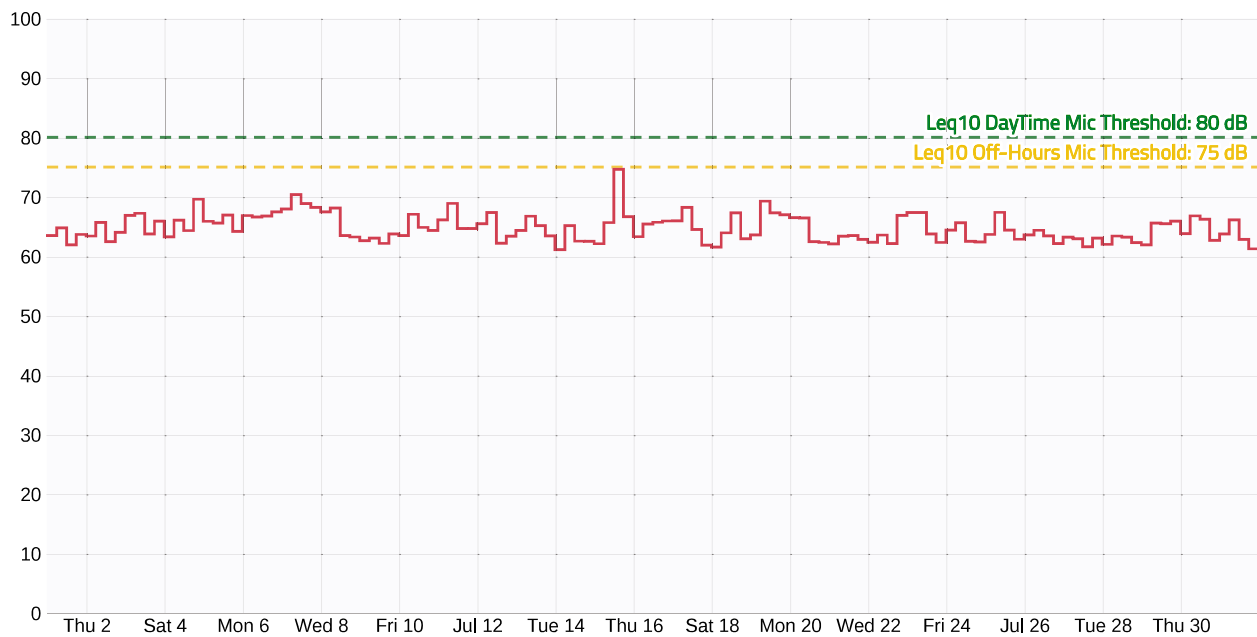
NM-002

Legend

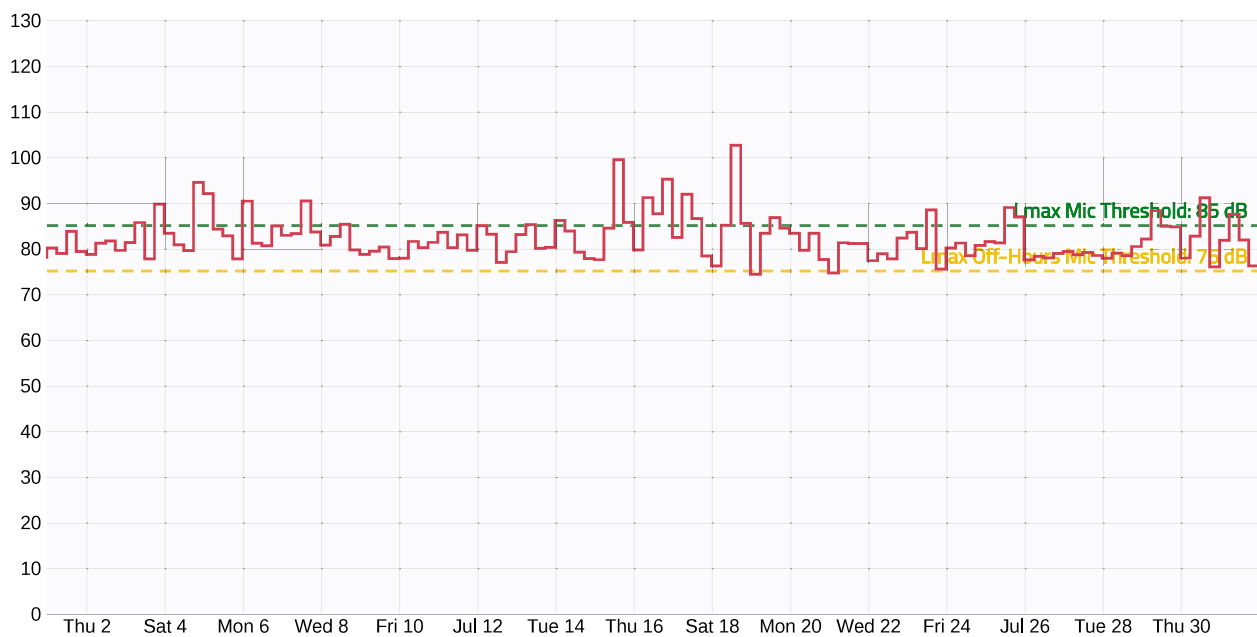
- Leq 10 Daytime Threshold
- Leq 10 off Hours Threshold
- Noise Monitoring

Sound level trend for the selected report period.

Leq 10 Min



Lmax 5 Min



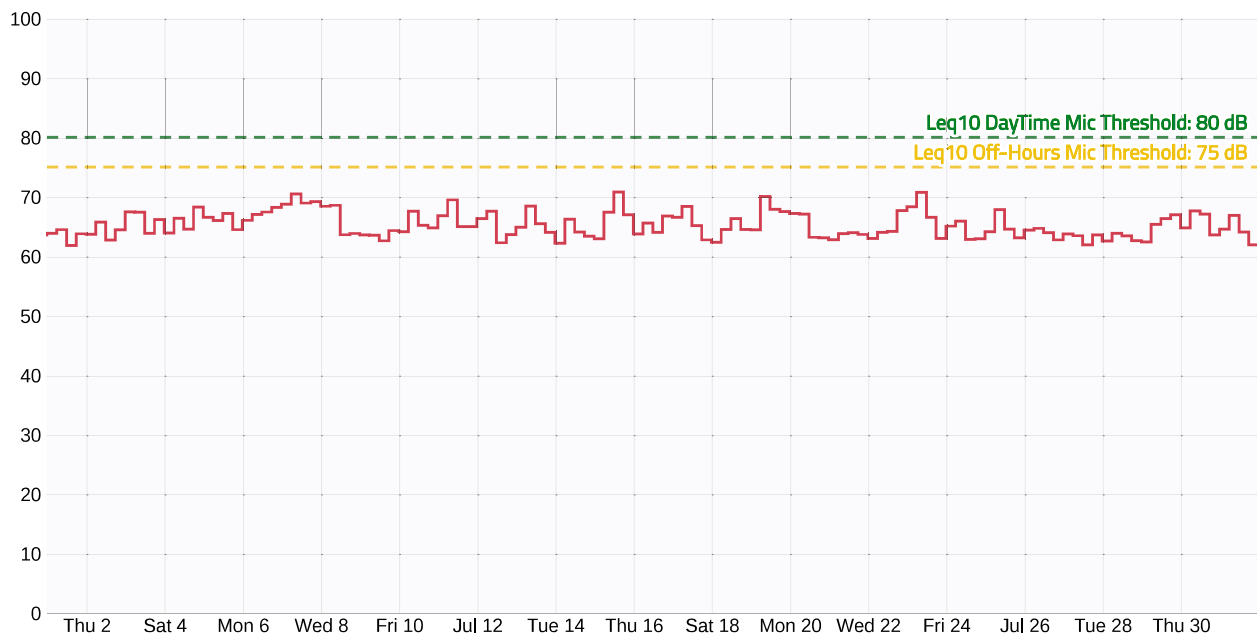
NM-003

Legend

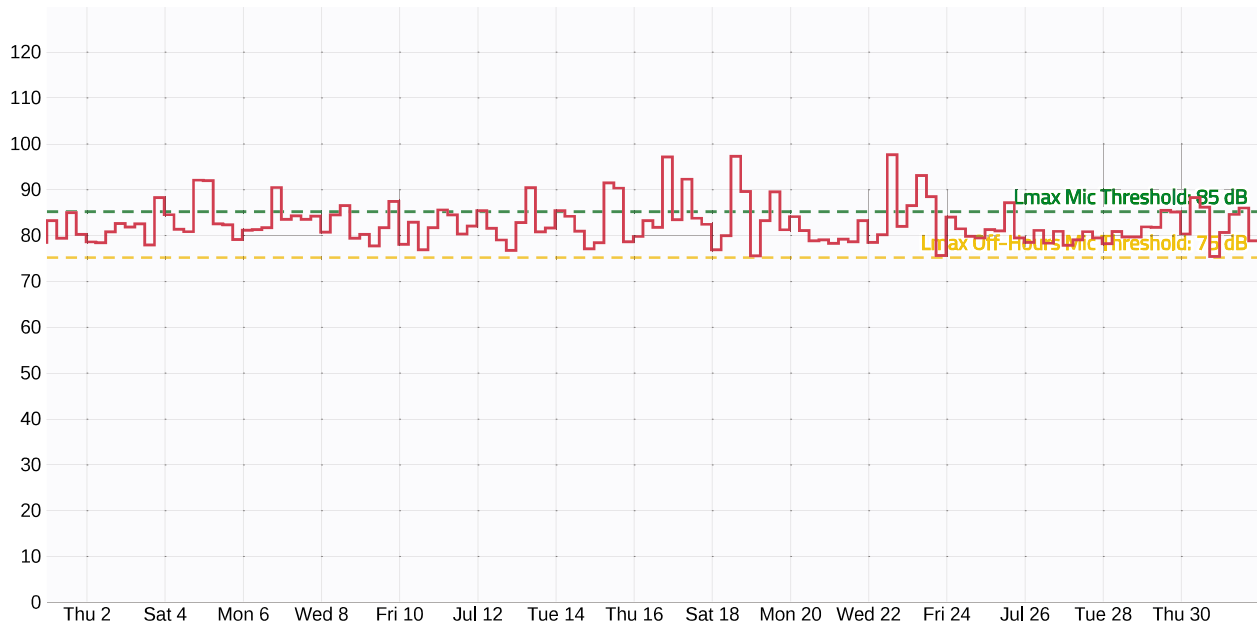
- Leq 10 Daytime Threshold
- Leq 10 off Hours Threshold
- Noise Monitoring

Sound level trend for the selected report period.

Leq 10 Min



Lmax 5 Min



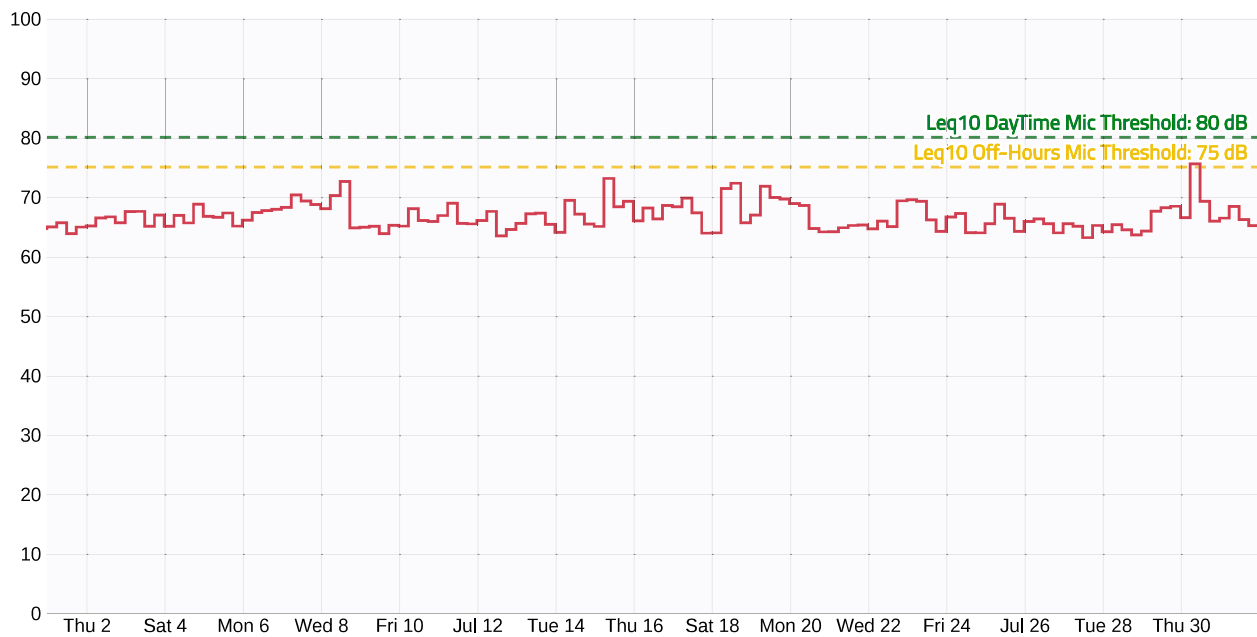
NM-004

Legend

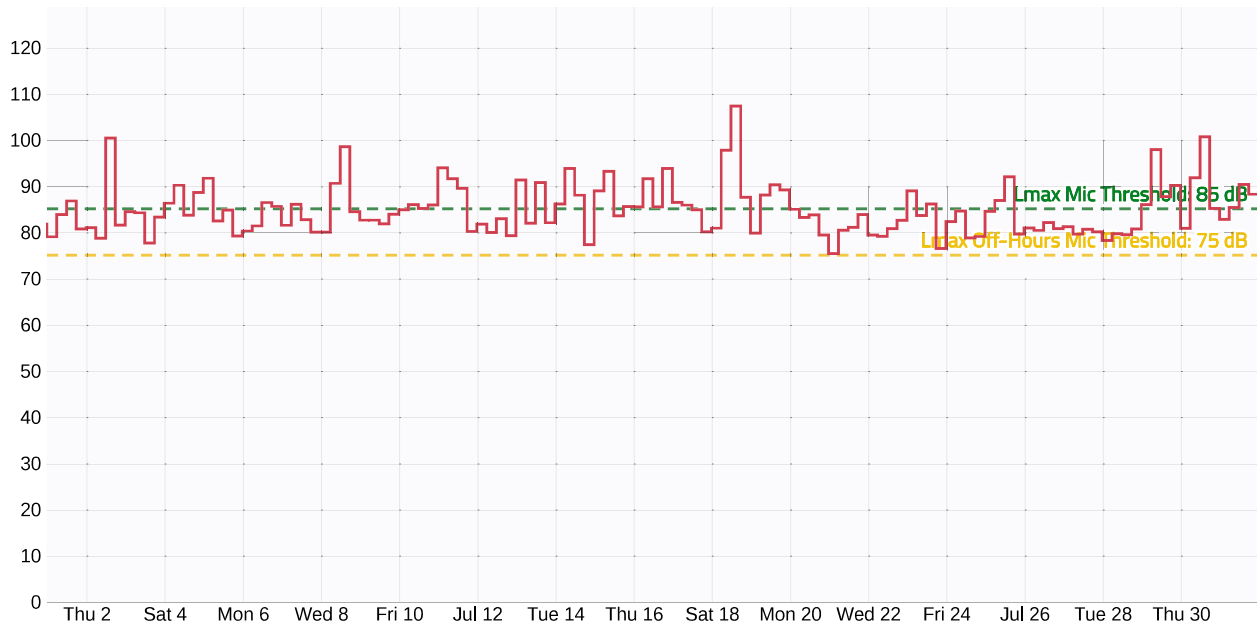
- Leq 10 Daytime Threshold
- Leq 10 off Hours Threshold
- Noise Monitoring

Sound level trend for the selected report period.

Leq 10 Min



Lmax 5 Min



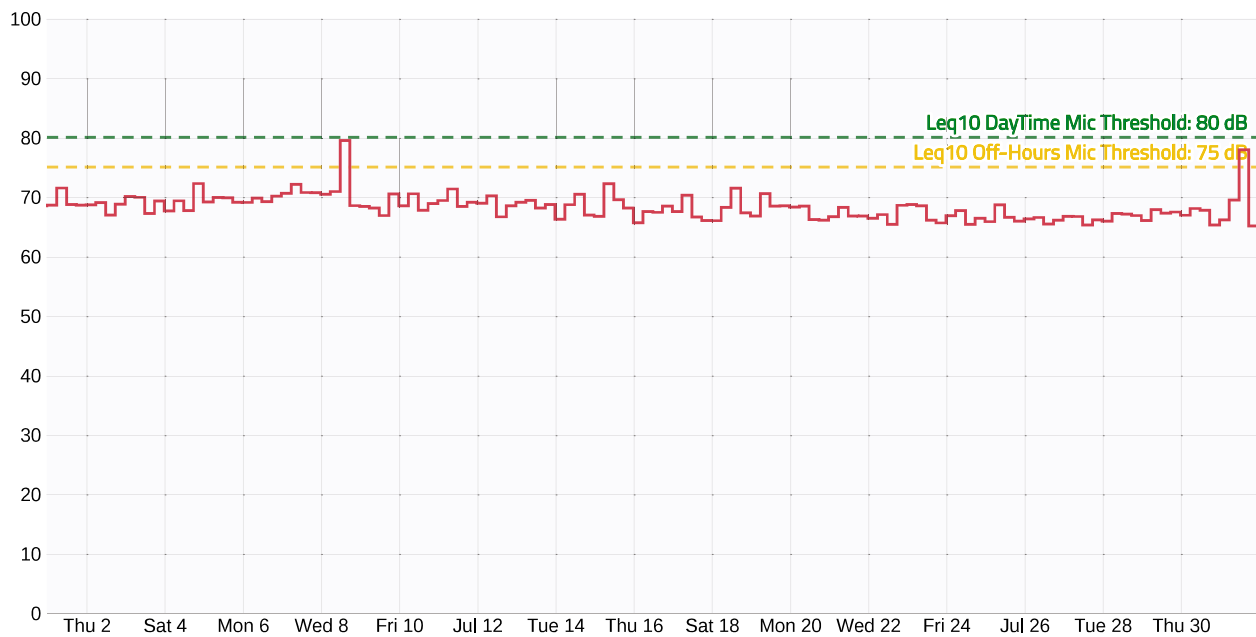
NM-005

Legend

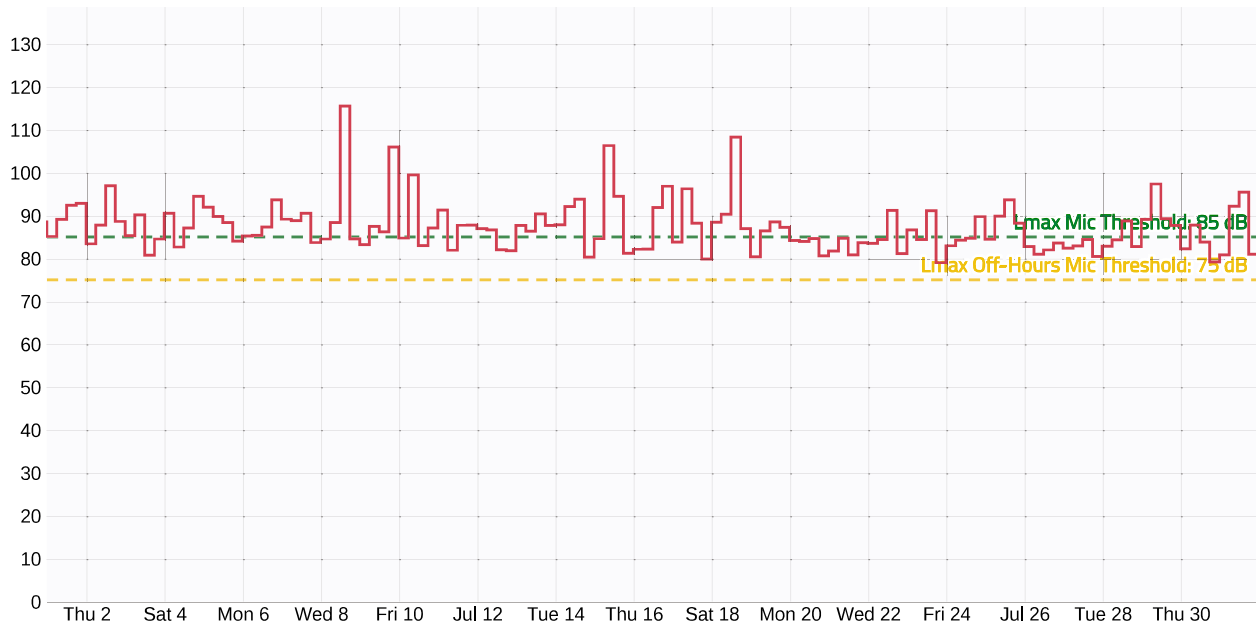
- Leq 10 Daytime Threshold
- Leq 10 off Hours Threshold
- Noise Monitoring

Sound level trend for the selected report period.

Leq 10 Min



Lmax 5 Min



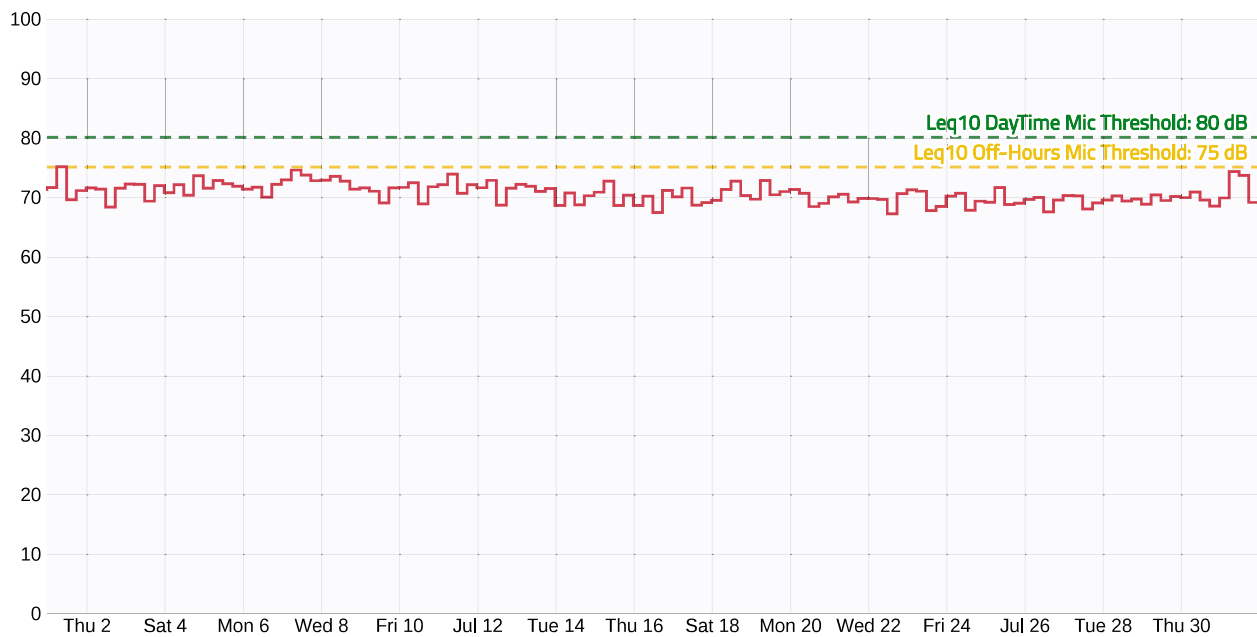
NM-006

Legend

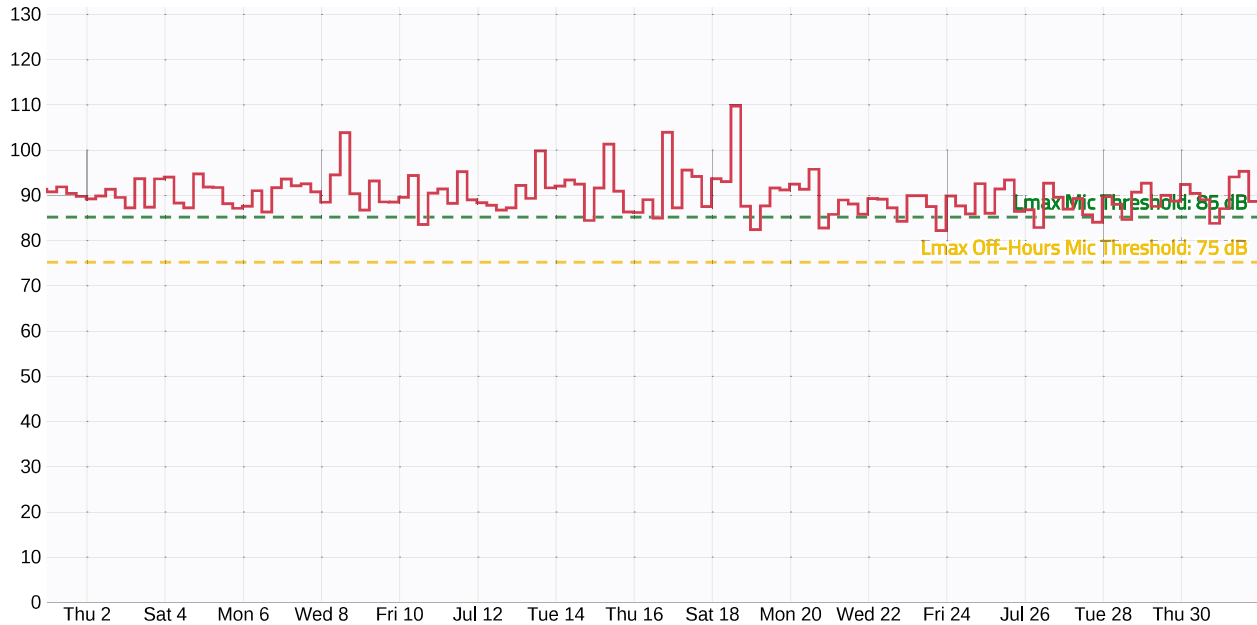
- Leq 10 Daytime Threshold
- Leq 10 off Hours Threshold
- Noise Monitoring

Sound level trend for the selected report period.

Leq 10 Min



Lmax 5 Min



NM-007

Legend

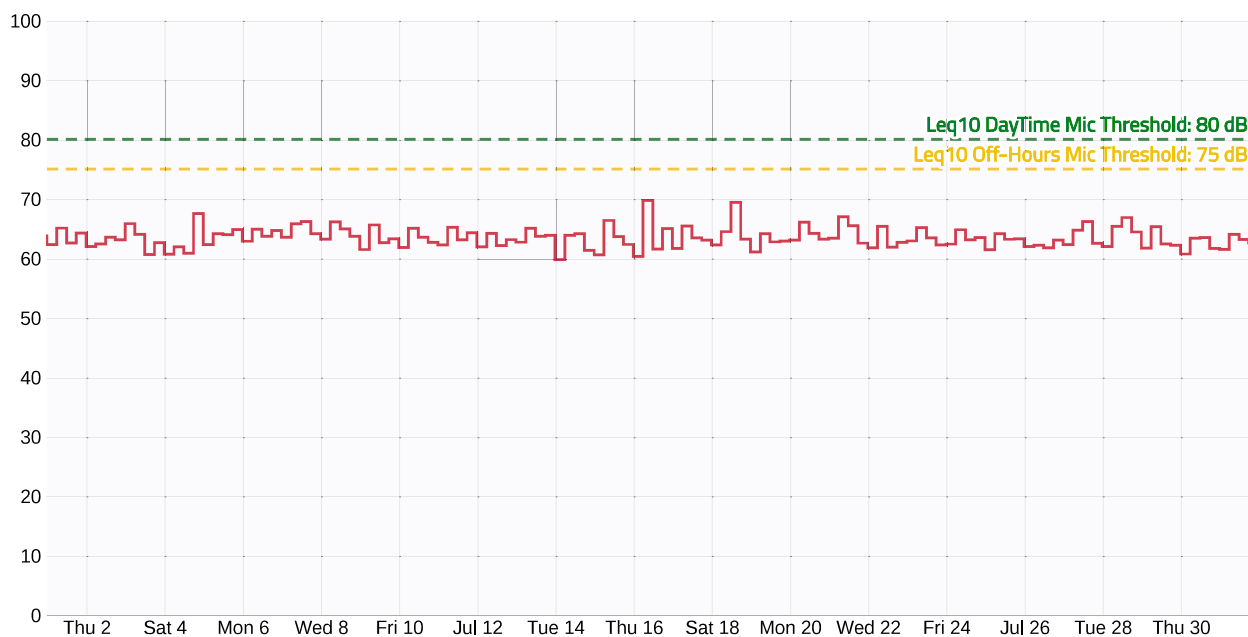
----- Leq 10 Daytime Threshold

----- Leq 10 off Hours Threshold

— Noise Monitoring

Sound level trend for the selected report period.

Leq 10 Min



Lmax 5 Min

