
To: City of Kitchener Council, By Law Enforcement Division

From: VanMar Constructors ON Inc.

Date: August 30, 2024

Subject: Request for Noise By-Law Exemption for Construction Activity

VanMar Constructors ON Inc. is currently constructing a multi-residential housing development project within the City of Kitchener. VanMar is committed to supporting the City of Kitchener's ambitious housing and environmental goals through our multi-residential housing development project and in alignment with the City's goal to address housing affordability and supply, we are seeking an exemption from the city's noise by-law, which restricts construction activities to the hours between 7:00 AM and 7:00 PM. We request permission to start construction at 6:00 AM from October 1, 2024, until April 30, 2025. Below, we present a detailed justification for this request and outline our commitment to minimizing potential impacts to the surrounding community.

Justification for Early Start Time

1. Support for Accelerating Housing Targets

The City of Kitchener has established a strategic priority to accelerate housing development and address community needs. By starting construction at 6:00 AM, we aim to advance our project timeline, contributing to the City's objective of addressing and increasing the housing supply while addressing affordability issues more promptly. This alignment with municipal goals underscores our commitment to advancing the City's housing agenda and tackling the housing supply shortages.

2. Mitigation of Traffic and Environmental Impacts

Our trades and workforce travel from various locations across the Greater Toronto Area (GTA). An earlier start time helps our tradespeople avoid peak-hour traffic, reducing commute times and greenhouse gas emissions. This initiative supports the City & Municipal's environmental sustainability goals by contributing to lower traffic congestion and reduced carbon footprints. In support of this initiative, we have received and attached requests from our tradespeople, Davicon and Uniform. These early starts not only support efficient scheduling but also emphasize our commitment to our environmental goals.

3. Optimizing Workforce Management

Union regulations typically limit work hours to 3:00 PM, making an earlier start crucial for maximizing productivity and ensuring a full workday. A 6:00 AM start also allow for a staggered arrival of workers, facilitating a smoother transition into the site and avoiding congestion at 7:00 AM. The earlier start also facilitates better scheduling and efficient use of available labor, directly contributing to the rapid completion of housing units and aligning with provincial and municipal targets for housing delivery. By commencing construction at 6:00 AM, we're enable our workforce to manage their schedules more effectively, leading to an improved work-life balance. Early start times allow workers to complete tasks earlier in the day, providing them with more flexibility in their personal lives and reducing the need for extended hours or weekend work. This balance not only enhances overall job satisfaction but also contributes to better workforce morale and productivity.

4. Proactive Noise Management Strategies

To mitigate potential noise impacts, we are proposing the following measures:

- **Restricted Hoist Operations:** Limit hoist operations to a specific number of runs between 6:00 AM and 7:00 AM. This approach will facilitate the entry of trades and materials with minimal disruption around the exterior of the building.
- **Noise Minimization Activities:** We are committed to restricting certain high-noise activities to later in the day. We are open to collaborating with City officials to define specific activities that can be undertaken early in the morning with minimal noise. This would include deliveries, placing rebar etc. The most critical item would be the allowance of utilizing the hoist to get teams up the building so that work can be completed within the building instead of at the exterior. As we move into the taller portion of the tower, and the building becomes enclosed, most work in the earlier hours will be completed internally, which will limit the amount of noise transmission to the neighbouring community.
- **Noise Reduction with Construction Progress:** As construction progresses, and the building becomes enclosed with the façade materials including windows and doors, the noise levels on site will be significantly reduced. Trades people will be working within an enclosed structure which should decrease the noise levels identified within the initial noise monitoring report.

5. Noise Monitoring Data

We have also engaged Englobe, an Acoustic Engineer, to monitor noise levels on-site from May 3 to May 12. Key findings in the report include the following:

- **Background information:** The sensors installed monitor every second, with an average reading provided every hour, along with the loudest noise during the 1-hour period (Lmax). Englobe confirmed that we should analyze the Leq values within the data as this is the most accurate sense of noise during the hour. The Lmax will only identify the loudest noise which may only last a second or two at maximum length. Sensor locations and distances from the existing building at Station Park building B are identified within the report provided in the attachment. Construction work did NOT over the weekends during the monitoring duration. Construction start times were from Monday to Friday, between the hours of 7:00 AM – 3:00 PM – 4:00 PM daily.
- **Average Noise Levels:** Noise levels between 6:00 AM and 7:00 AM averaged 56.1-67.4 dB, with a minimal increase compared to post 7:00 AM levels (61.0-68.9 dB). The anticipated increase is relatively minor, between 1.5-4.9 dB, and we expect that the noise levels will be similar to the 7:00 AM range if the early start time is permitted.
- **Comparison with Ambient Noise:** During the entire monitoring period, noise from the Metrolinx train horn, typically at 6:00 AM, exceeded all construction noise levels across all 3 sensors. Additionally, overnight noise levels, between the hours of 11:00 PM – 1:00 AM, on average were 57dB. This noise level on average was comparable to the noise levels at the construction start time between the hours of 7:00 AM and 8:00 AM. The average variance across the entire duration of the monitoring period was only 4.08dB.
- **Adjacent Building Materials:** For the monitoring, the sensors were mounted to posts located at the hoarding surrounding the site. One thing to note is that the existing buildings at Station Park were previously built by VanMar, and we can confirm the inclusion of double-glazed windows and doors, which provide a reduction of noise levels by +/-31dB. In order to achieve this reduction, it would need to be assumed that this reduction would only be applied if the windows and doors are closed. As we approach the winter

months, it would be assumed that windows and doors will be closed during the hours of 6:00 AM – 7:00 AM, which would support the minimizing of noise if we were granted an exemption to start at 6:00 AM.

6. Community Notification

In line with our commitment to community consideration, we will issue personalized notifications to residents, especially those in Station Park Building B facing the construction site. This notice will detail the adjusted construction hours and our efforts to minimize disturbances, ensuring transparency and fostering positive community relations.

Conclusion

Granting this exemption to allow VanMar Constructors Inc. to start at 6:00 AM, will significantly enhance our ability to meet the City of Kitchener's housing supply targets and environmental goals while maintaining our commitment to noise management and community consideration. We are dedicated to supporting the City's vision for sustainable and efficiently expedited housing developments so that our community can have a place to call home sooner. We appreciate your review of this request and look forward to working with the City and Council in any capacity to build on our shared goals.

Attachments:

1. Trade Letters from Davicon Forming and Uni-Form Structures
2. Englobe Noise Monitoring Summary Report (June 25, 2024)

Contact Information:

Catheryne McCutcheon
VanMar Developments Inc.
cmccutcheon@vanmardevelopments.com

Thank you for considering our request.

Sincerely,



Catheryne McCutcheon
Design & Approvals Associate
VanMar Developments Inc.

ATTACHMENTS ENCLOSED



August 26, 2024

To Whom It May Concern:

Re: Noise Exemption Permit

As a current sub-trade of VanMar Constructors ON Inc, currently working at the DUO condos project located at 641 King St., W. in Kitchener, we are asking that you consider the application request for a noise exemption permit to allow our employees to start at an earlier time.

This would benefit those employees who are commuting into work from as far as the GTA to avoid lengthy traffic delays on their commute to and from work. Our steelmen already have a physically demanding job and work in inclement weather conditions daily and by approving a noise exemption permit it would significantly improve their quality of life.

We would appreciate your serious consideration and thank you in advance for your time.

Sincerely,

A handwritten signature in black ink, appearing to be 'Ana Ferreira', with a long horizontal stroke extending to the right.

Ana Ferreira
President

Mobile: 905-931-7662

Web: www.daviconforming.com

Email: ana@daviconforming.com

To whom it may concern:

Please accept this short letter as a plea to adjust the start time on site from 7am to 6am. I hope those involved in the decision-making process will be able to see things from our perspective and I would like to fully thank those involved for their time and consideration, regardless of the outcome.

We have multiple out of town employees from all over southern Ontario travelling into the city from places like Bluevale, Innisfil, Mississauga, Markham, Niagara Falls, St. Catherines and Dorchester, just to name a few. For these employees, a 6am start time equates to more time available with their families and loved ones as they will lose less time on highways waiting in traffic while they attempt to get to and from work. For them, a 6am start time equates to an earlier, more predictable commute. For many of them, this earlier commute is inevitable if they are to ensure they will arrive to work on time, because often a later start to their commute equates to a much longer overall commute duration once the additional traffic is factored in and an increased likelihood of highway accidents. But the 6am start time is not only beneficial to those commuting from far away. We often have long days at work (10-11+ hours) and having the crew start at 6am helps to ensure everyone gets home to their families at a decent time. Starting at 6am vs. 7am can mean the difference between sharing a meal with your family that evening or not. For the out-of-town employees, it can mean the difference between getting home at 6pm vs. 7:30-8pm. What it comes down to for everyone is work-life balance. Simply put, the 6am start time allows every one of our employees more work-life balance. In an industry that has such high demand on in-person, hands on, work-until-it's-done, day after day mentality; the work-life balance has always been a huge struggle for construction employees as a whole. Unfortunately, our industry has not been blessed with a work-from-home format. I would love nothing more than to tell all of our employees they will have more of this work-life balance while they put in their hard work, blood, sweat and tears into each day as we shape the skylines of Kitchener.

Thank you again for your time and consideration.

Andrew Berner

Site Supervisor, Uni-Form Structures





June 25, 2024

VanMar Constructors Inc.
145 Goddard Crescent
Cambridge, Ontario
N3E 0B1

Attention: Catheryne McCutcheon | BA
Development Design & Approvals

Subject: **Station Park Phase 2A - Building C - Noise Monitoring Summary Report**
621 King Street West, Kitchener, Ontario
Englobe Reference: 02404088.000

1 Glossary

$L_{EQ(t)}$: The Equivalent Continuous Sound Pressure Level which is an average of the sound pressure level measured over a specified time period “t”. This is commonly used as the preferred parameter for all forms of environmental noise and is expressed in decibels.

dBA: A-weighted decibel. The A-weighting approximates the response of the human ear.

Slow Time Weighting: A measurement sampling rate of 1 measurement per second, commonly used as the preferred time weighting for steady and varying environmental noise sources.

2 Introduction

Englobe Corp. (“Englobe”) is pleased to produce a report summarizing the data collected during the Noise Monitoring Program (“the Program”) conducted for VanMar Constructors Inc. (“the Client”) for the construction activities taking place for Station Park Phase 2A - Building C (“the Project”) at 621 King Street West, Kitchener, Ontario (“the Site”) during the period of **May 3, 2024 to May 17, 2024**. The objectives of this report are as follows:

- Present all 1-hour Equivalent Continuous Sound Pressure Level ($L_{EQ(1hr)}$) data collected during the Project in a single document on a unified scale;
- Present basic summary statistics for the collected data;

This report was prepared with the purpose of summarizing the data collected during the Project in order to assist in interpretation and communication of the data and its implications for nearby receptors.

Please note that the application of the above objectives to any predictive environmental noise modelling using software, additional analysis, commentary on and/or comparison of collected noise data to relevant municipal/provincial/federal regulations and/or guideline are outside the scope of this report.

3 Project Background

The primary goal of this Program was to measure noise levels near adjacent residential land uses in order to better understand the noise impact of the regular operation of construction activities associated with the Station Park Phase 2A Tower C project. It is understood that the Client intends to use the noise impact data to assist in its application for a noise exemption from the City of Kitchener.

To achieve this, Englobe installed noise monitors as detailed in Table 1 and Appendix A. Weather data (taken for a local third-party weather station) was also analyzed to highlight any noise measurements that are invalid due to adverse weather conditions (including wind speeds above 20 km/h, precipitation events, etc.).

4 Collection of Noise Data

Data collection for the Program was conducted in accordance with Englobe’s corresponding project-specific quote dated April 8, 2024. Sigicom INFRA S50 Digital Sound Level Meters (“SLMs”) were utilized for the data collection for the Program. The SLMs were programmed to measure A-weighted noise levels with a “Slow” Time Weighting. For the duration of the monitoring period, the equivalent sound pressure level was measured in 5-minute intervals, which Englobe later averaged to 1- hour intervals.

Three (3) monitoring stations were deployed concurrently for the Program, at the locations detailed in Table 1 below. A site map depicting the monitoring station deployment locations is included in Appendix A.

Table 1: Noise Monitoring Station Deployment Location Summary

| Monitoring Station No. | SLM Serial No. | General Deployment Location | Instrument Height | Installation Date | Removal Date |
|------------------------|----------------|---|-------------------|-------------------|--------------|
| A | S50: 14603 | Hoarding Wall near unit B105 approx. 47m from Tower C | 4.3 m | May 2, 2024 | May 20, 2024 |
| B | S50: 13846 | Security Pole near unit B101 approx. 12m from Tower C | 3.74 m | May 2, 2024 | May 20, 2024 |
| C | S50: 13649 | Light pole above air shaft approx. 35m from Tower C | 3.5 m | May 2, 2024 | May 20, 2024 |

It should be noted that the locations of the monitoring stations were chosen in consultation with the Client. All monitoring stations were positioned between the prospective noise source and the receptors.

No noise limits were determined for this program, since the purpose of monitoring is solely to measure the noise levels during regular construction activities. All sound level meters have valid lab calibration certificates, included in Appendix B, and were field calibrated before and after the Program using a **Brüel & Kjær Type 4231 Sound Calibrator** (Serial Number: 3026798).

5 Summary of Collected Data

The complete data record in a graphical, temporal form can be found in Appendix C. The complete data record in tabular form can be found in Appendix D.

Table 3 below presents a brief summary of the full dataset collected during the monitoring period from May 3, 2024, to May 17, 2024.

Table 3: Summary of Collected Data

| Monitoring Station No. | General Deployment Location | Highest $L_{EQ(1hr)}$ Measurement, dBA [Date / Time] |
|------------------------|---|---|
| A | Hoarding Wall near unit B105 approx. 47m from Tower C | 71.8 [2024-05-08 / 13:00:00-14:00:00] |
| B | Security Pole near unit B101 approx. 12m from Tower C | 79.7 [2024-05-06 / 10:00:00-11:00:00] |
| C | Light pole above air shaft approx. 35m from Tower C | 78.1 [2024-05-06 / 15:00:00-16:00:00] |

6 Closure

We trust the foregoing will satisfy your present requirements. If you have any questions regarding this matter, please do not hesitate to contact us.

Yours very truly,

Englobe Corp.



Kevin Wadia, EIT
Engineering Intern, Instrumentation



Martin Villeneuve, P. Eng.
Acoustical Engineer

Appendices

- Appendix A Noise Monitoring Station Deployment Locations
- Appendix B Sound Level Meters Calibration Records
- Appendix C Graphical Temporal Data Record
- Appendix D Tabular Data Record
- Appendix E Weather Data Record for Monitoring Period

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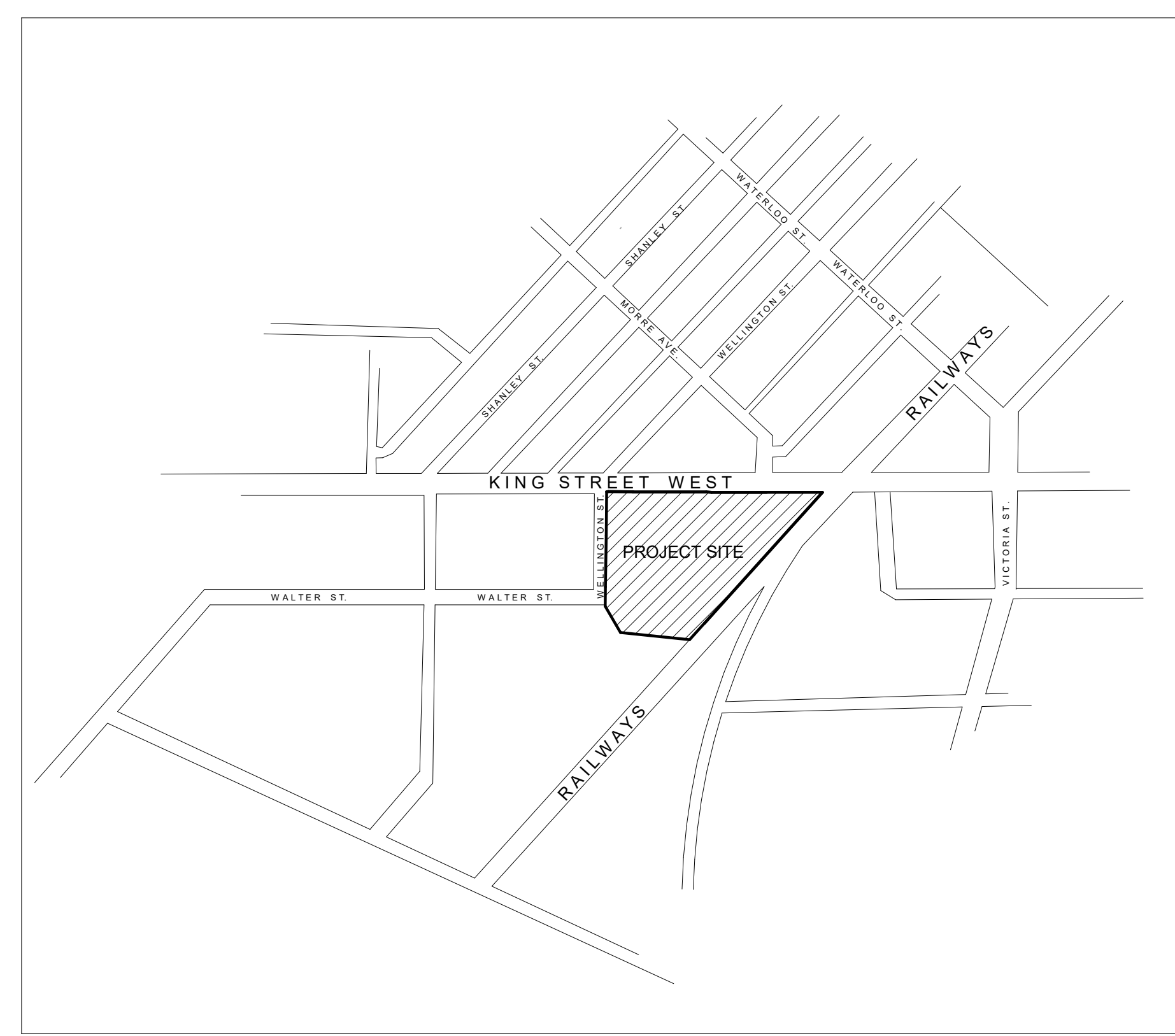
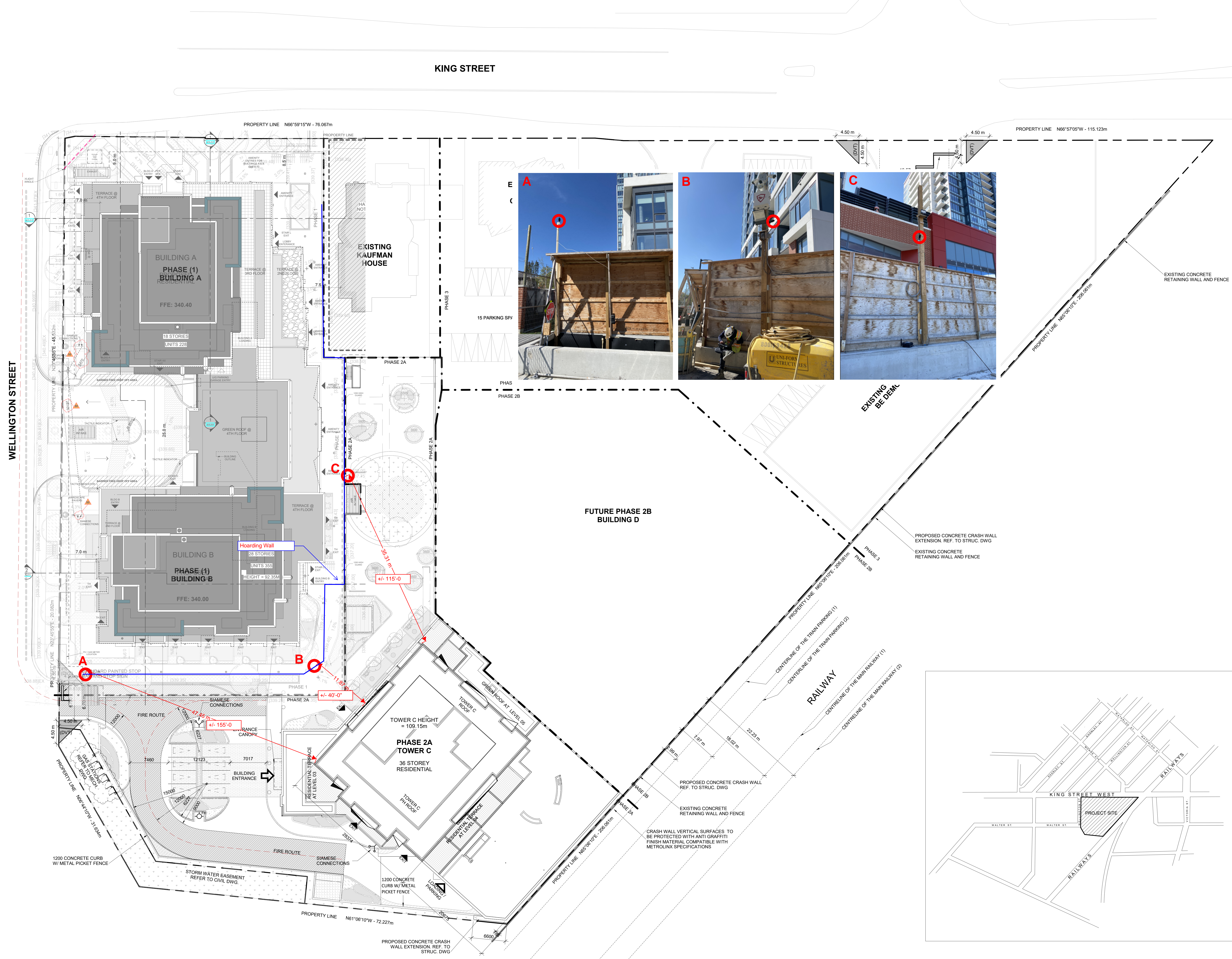
Appendix A
Noise Monitoring Station
Deployment Locations



The drawing is an instrument of service, prepared by and for the project of Turner Fleischer Architects Inc. It is the property of Turner Fleischer Architects Inc. and shall remain their property. It is to be used only for the project and site for which it is prepared. It is not to be used for any other project or site without the written consent of Turner Fleischer Architects Inc. The drawing is not to be used for any other project or site without the written consent of Turner Fleischer Architects Inc. The drawing is not to be used for any other project or site without the written consent of Turner Fleischer Architects Inc.

LEGEND

- PRIMARY RESIDENTIAL ENTRANCE
- SECONDARY RESIDENTIAL ENTRANCE
- RETAIL ENTRANCE
- EXIT
- FIRE HYDRANT
- SIAMESE CONNECTION
- CONVEX MIRROR
- TRANSFORMER WITH CLEARANCES
- FIRE ROUTE SIGN
- 000.00 SPOT ELEVATION
- GAS/HYDRO METER
- HORIZONTAL BIKE STORAGE



| # | DATE | DESCRIPTION | BY |
|----|------------|----------------------------------|-------|
| 44 | 2024-02-20 | ISSUED FOR ASBID | BM/RK |
| 25 | 2023-02-06 | RE-ISSUED FOR PERMIT | BM |
| 22 | 2023-10-14 | RE-ISSUED FOR ABOVE GRADE PERMIT | BM |
| 18 | 2022-09-16 | RE-ISSUED FOR PERMIT | BM |
| 17 | 2022-08-23 | RE-ISSUED FOR TENDER | BM |
| 16 | 2022-08-23 | RE-ISSUED FOR PERMIT | BM |
| 15 | 2022-08-28 | ISSUED FOR TENDER | BM |
| 14 | 2022-08-28 | ISSUED FOR PERMIT | BM |
| 13 | 2022-08-28 | ISSUED FOR 75% WORKING DRAWING | HMC |
| 12 | 2022-08-28 | ISSUED FOR PERMIT | HMC |
| 10 | 2022-02-11 | ISSUED FOR 60% WORKING DRAWING | HMC |
| 9 | 2021-11-22 | ISSUED FOR 60% REVIEW | HMC |
| 8 | 2021-11-20 | ISSUED FOR 30% WORKING DRAWING | HMC |
| 4 | 2020-11-27 | ISSUED FOR PRE-CONSTRUCTION | BM |



PROJECT
STATION PARK PHASE 2
607-641 KING STREET, KITCHENER

DRAWING
SITE PLAN

PROJECT NO.
20 19028
PROJECT DATE
2022-03-15
DRAWN BY
HMO
CHECKED BY
TMS
SCALE
As Indicated

DRAWING NO.
A004-C

KEY PLAN
1:5000

Appendix B
Sound Level Meters Calibration
Records





CALIBRATION DOCUMENT

| Document No: | Print Date: | Location of Calibration: | Page No: |
|--------------|-------------|--------------------------|----------|
| Cal 114185 | 2024-04-15 | Ottawa, Canada | 1 / 1 |

Customer: Englobe Corporation

Device under Test: INFRA S50 Sound Level Meter
SN: **14603**
Software Version: 1.8.1

Date of Calibration: 2024-04-15

Ambient Conditions: 23° C ± 2° C (73.4° F ± 3.6° F)

Method of Measurement: Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator.
Rel. gain between standards and freq. weighting using electrical signals.

Equipment: Acoustic Calibrator: Svantek SV36 #116312
Signal Generator: Keysight 33521B #MY59000555

Traceability: Traceable to national and international standards.

Result of Measurement: Results are within specification limits.

Recommended Interval of Calibration: 12 months.

Calibration performed by: Matthew Scott

Signature: *Matthew Scott*



CALIBRATION DOCUMENT

| Document No: | Print Date: | Location of Calibration: | Page No: |
|--------------|-------------|--------------------------|----------|
| Cal 107531 | 2023-09-11 | Ottawa, Canada | 1 / 1 |

Customer: Englobe Corporation

Device under Test: INFRA S50 Sound Level Meter
SN: **13846**
Software Version: 1.8.1

Date of Calibration: 2023-09-07

Ambient Conditions: 23° C ± 2° C (73.4° F ± 3.6° F)

Method of Measurement: Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator.
Rel. gain between standards and freq. weighting using electrical signals.

Equipment: Acoustic Calibrator: Svantek SV36 #116312
Signal Generator: Keysight 33521B #MY59000555

Traceability: Traceable to national and international standards.

Result of Measurement: Results are within specification limits.

Recommended Interval of Calibration: 12 months.

Calibration performed by: Imran Ahmad

Signature: *Imran Ahmad*



CALIBRATION DOCUMENT

| Document No: | Print Date: | Location of Calibration: | Page No: |
|--------------|-------------|--------------------------|----------|
| Cal 114187 | 2024-04-15 | Ottawa, Canada | 1 / 1 |

Customer: Englobe Corporation

Device under Test: INFRA S50 Sound Level Meter
SN: **13649**
Software Version: 1.8.1

Date of Calibration: 2024-04-15

Ambient Conditions: 23° C ± 2° C (73.4° F ± 3.6° F)

Method of Measurement: Absolute gain at 94 dBA / 1000 Hz using acoustic calibrator.
Rel. gain between standards and freq. weighting using electrical signals.

Equipment: Acoustic Calibrator: Svantek SV36 #116312
Signal Generator: Keysight 33521B #MY59000555

Traceability: Traceable to national and international standards.

Result of Measurement: Results are within specification limits.

Recommended Interval of Calibration: 12 months.

Calibration performed by: Matthew Scott

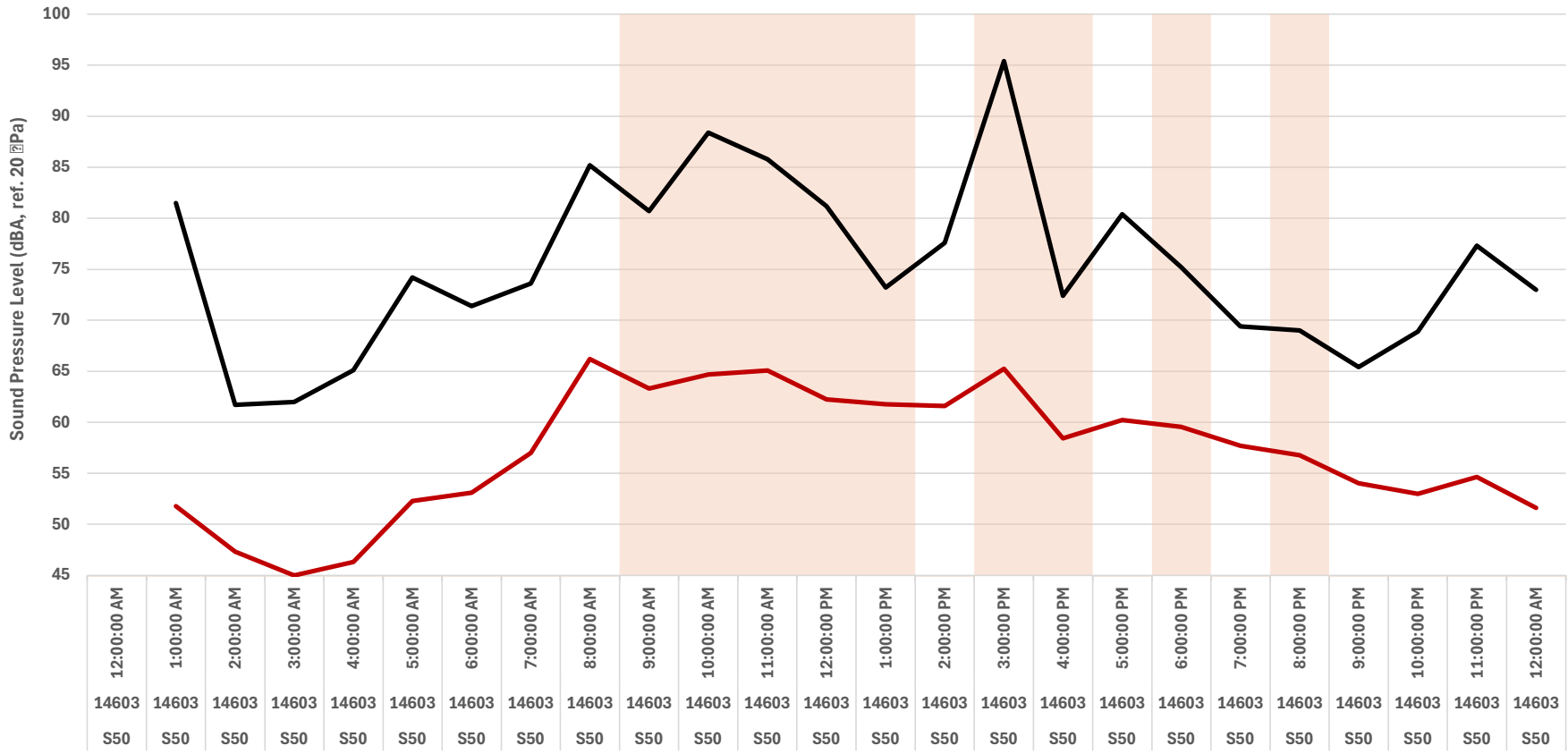
Signature: *Matthew Scott*

Appendix C

Graphical Temporal Data Record

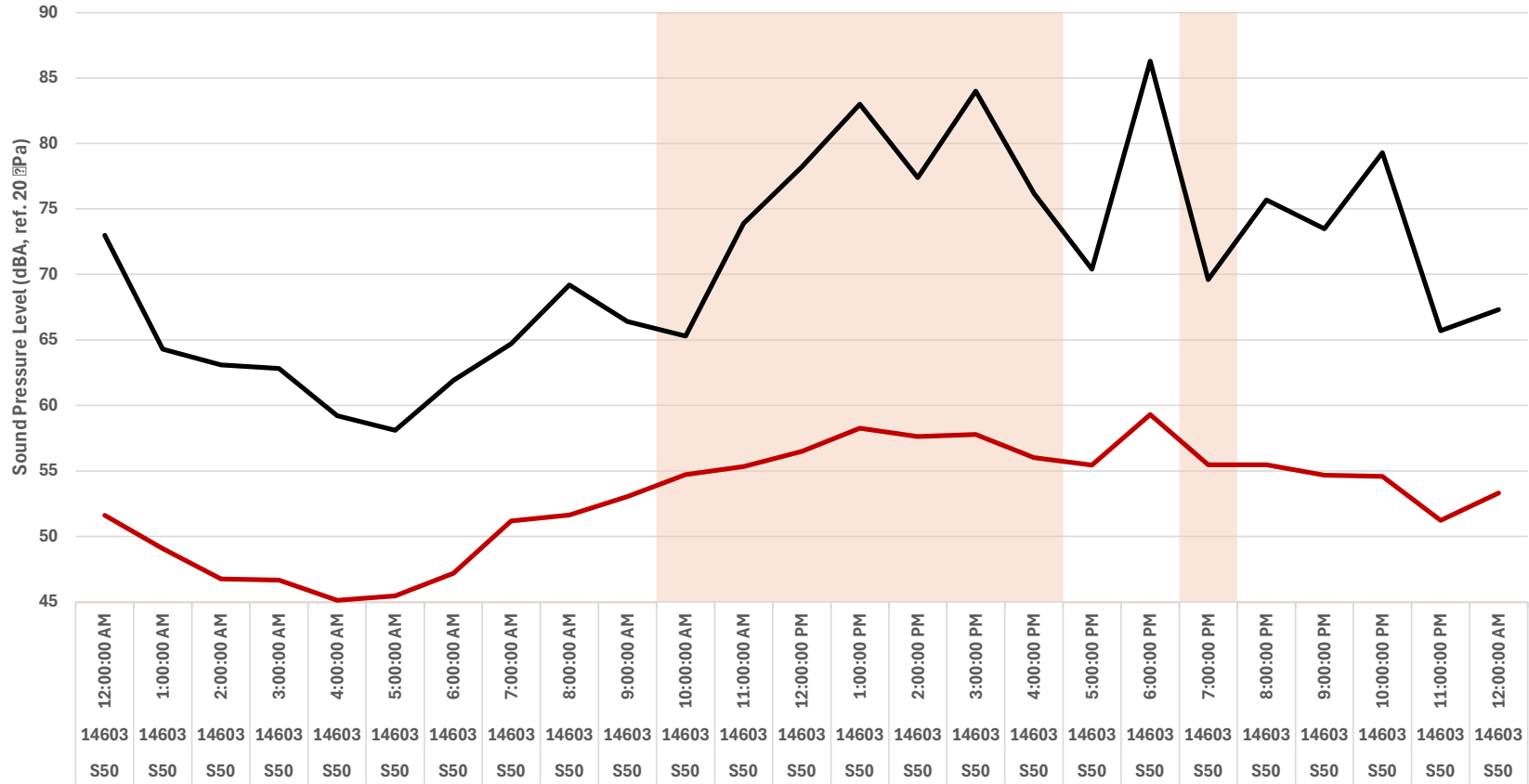


Leq (1-hour) Noise Monitoring Results at Sensor A (May 3, 2024)



Data Not Valid (Adverse Weather)
 Lmax
 Leq(1-Hour)

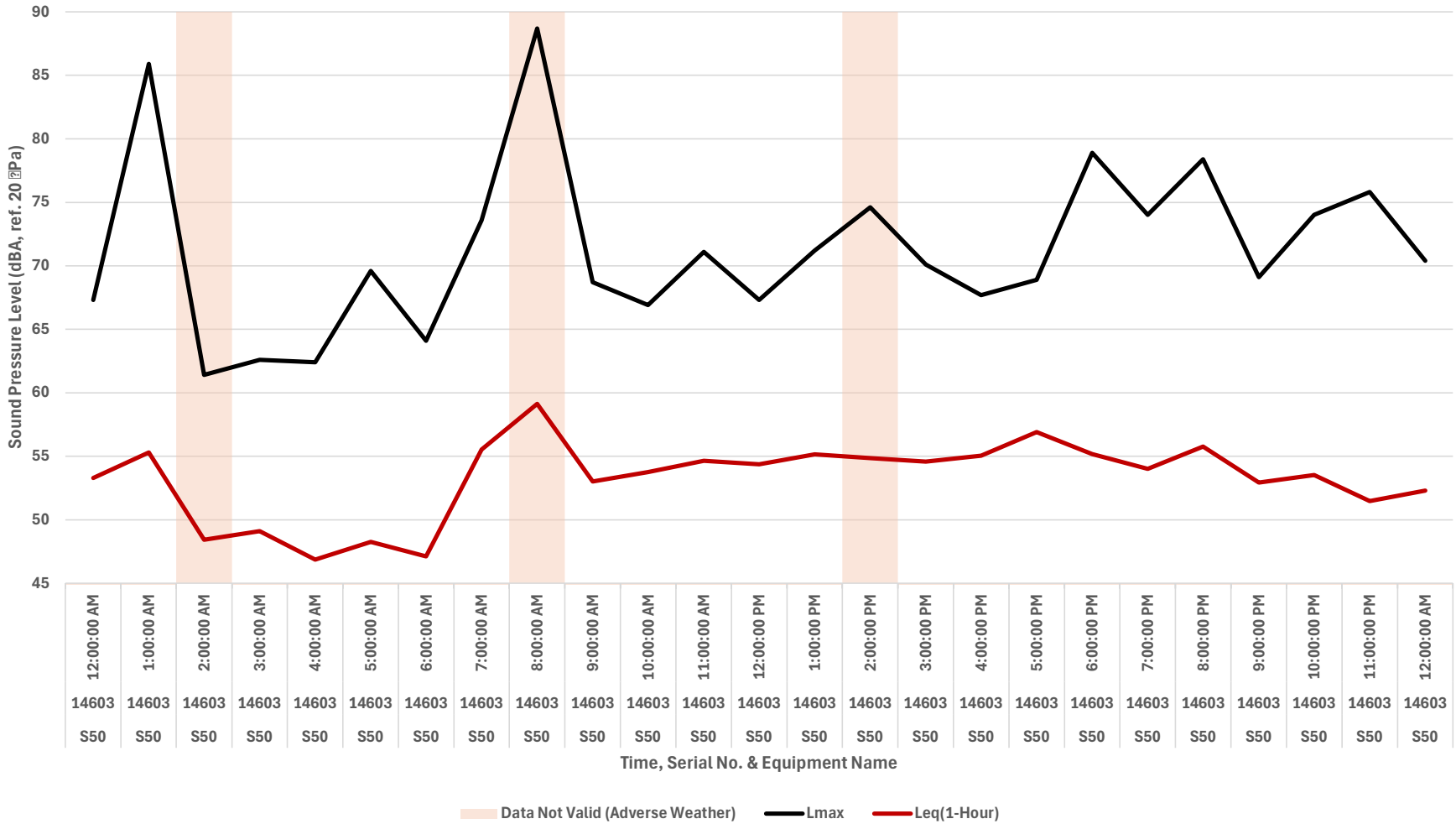
Leq (1-hour) Noise Monitoring Results at Sensor A (May 4, 2024)



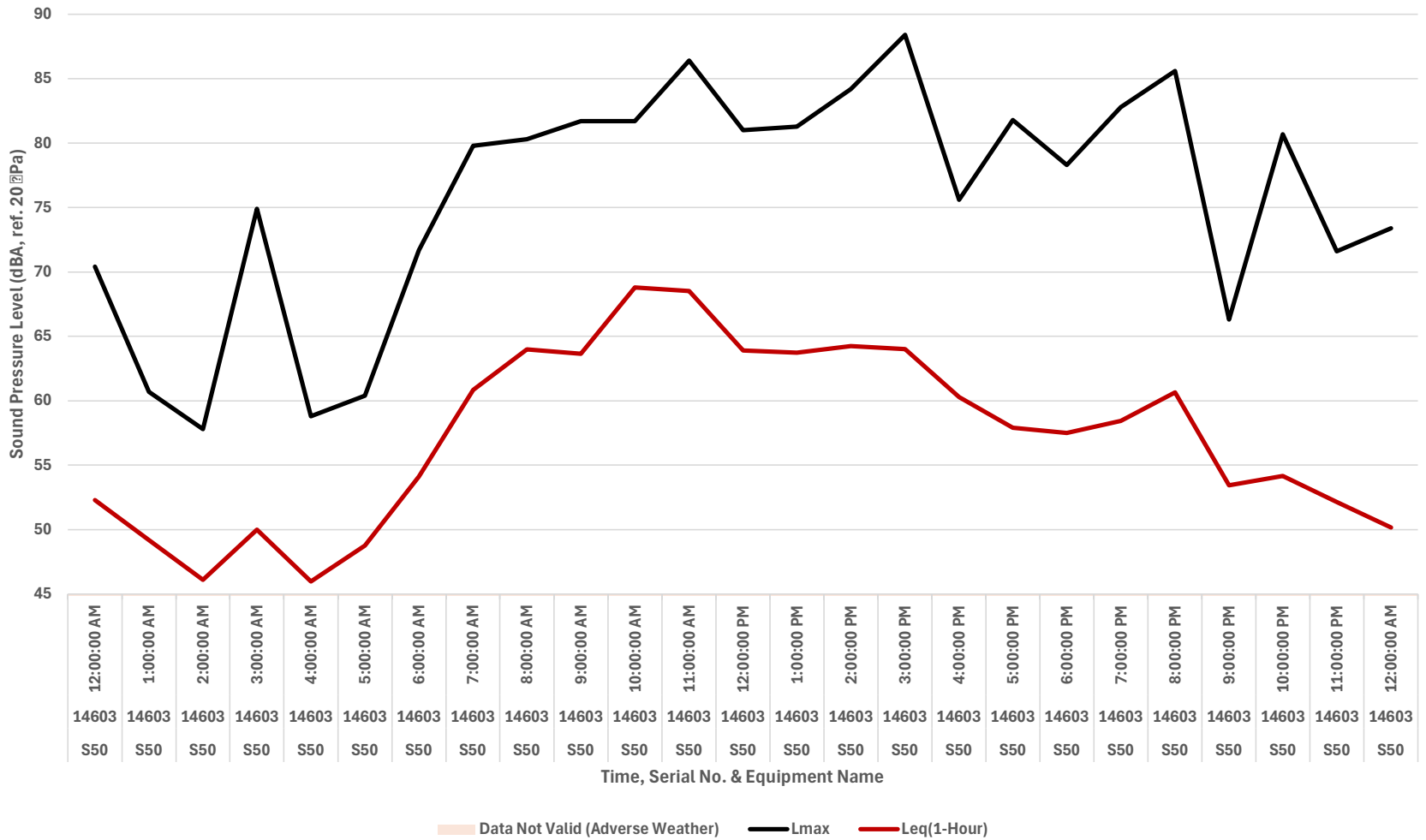
Time, Serial No. & Equipment Name

Data Not Valid (Adverse Weather)
 Lmax
 Leq(1-Hour)

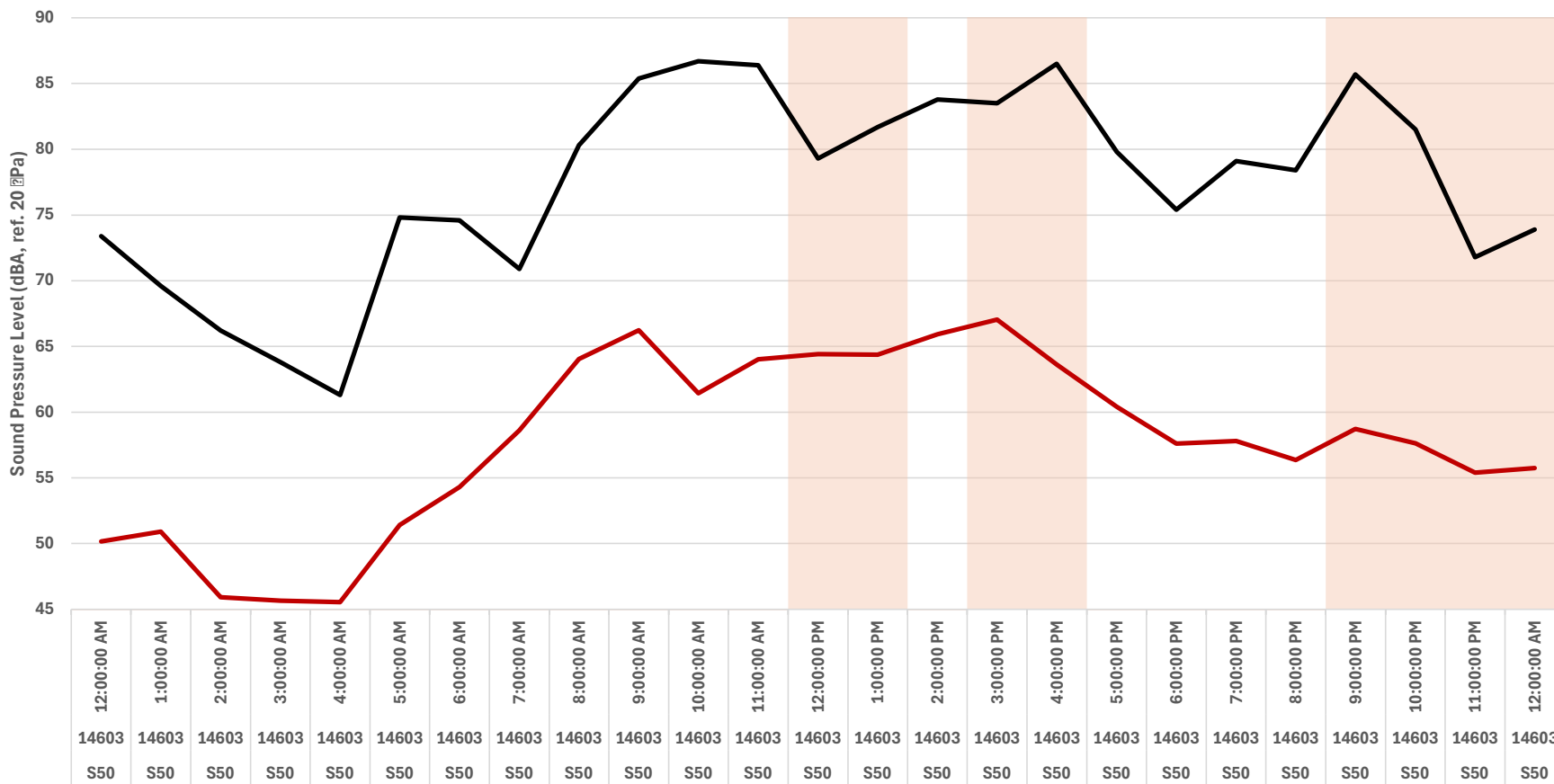
Leq (1-hour) Noise Monitoring Results at Sensor A (May 5, 2024)



Leq (1-hour) Noise Monitoring Results at Sensor A (May 6, 2024)

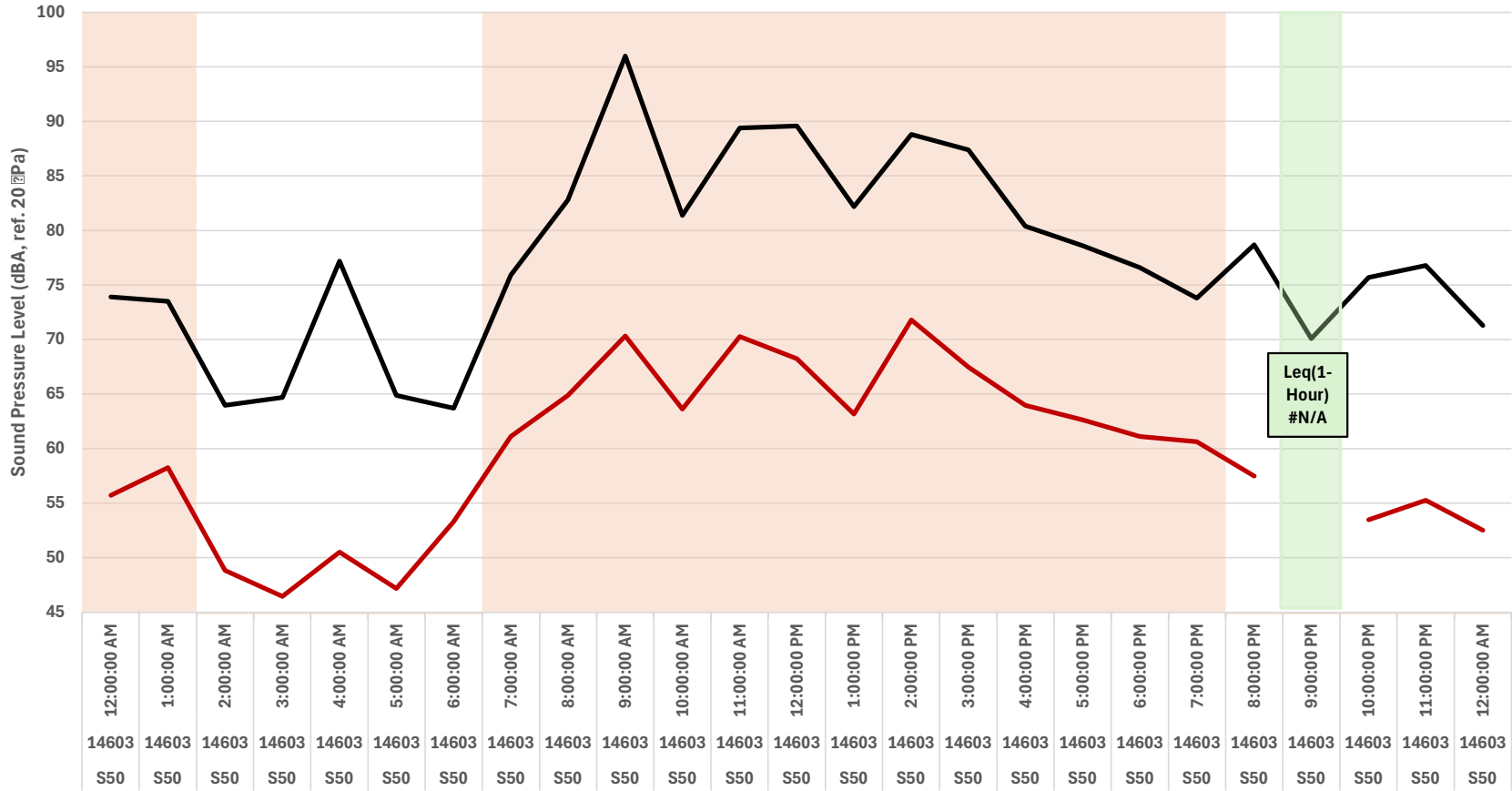


Leq (1-hour) Noise Monitoring Results at Sensor A (May 7, 2024)



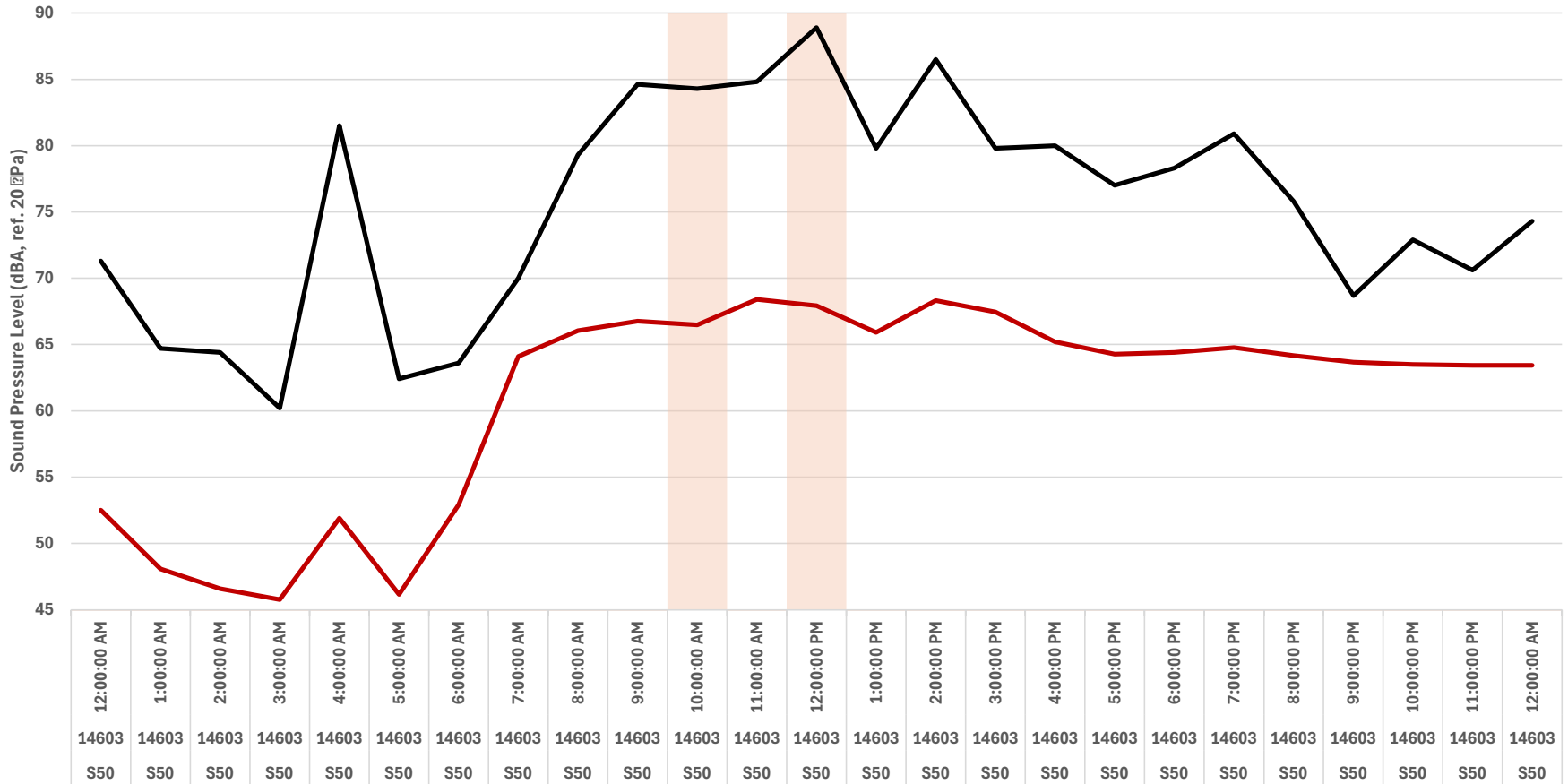
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 Lmax
 Leq(1-Hour)

Leq (1-hour) Noise Monitoring Results at Sensor A (May 8, 2024)



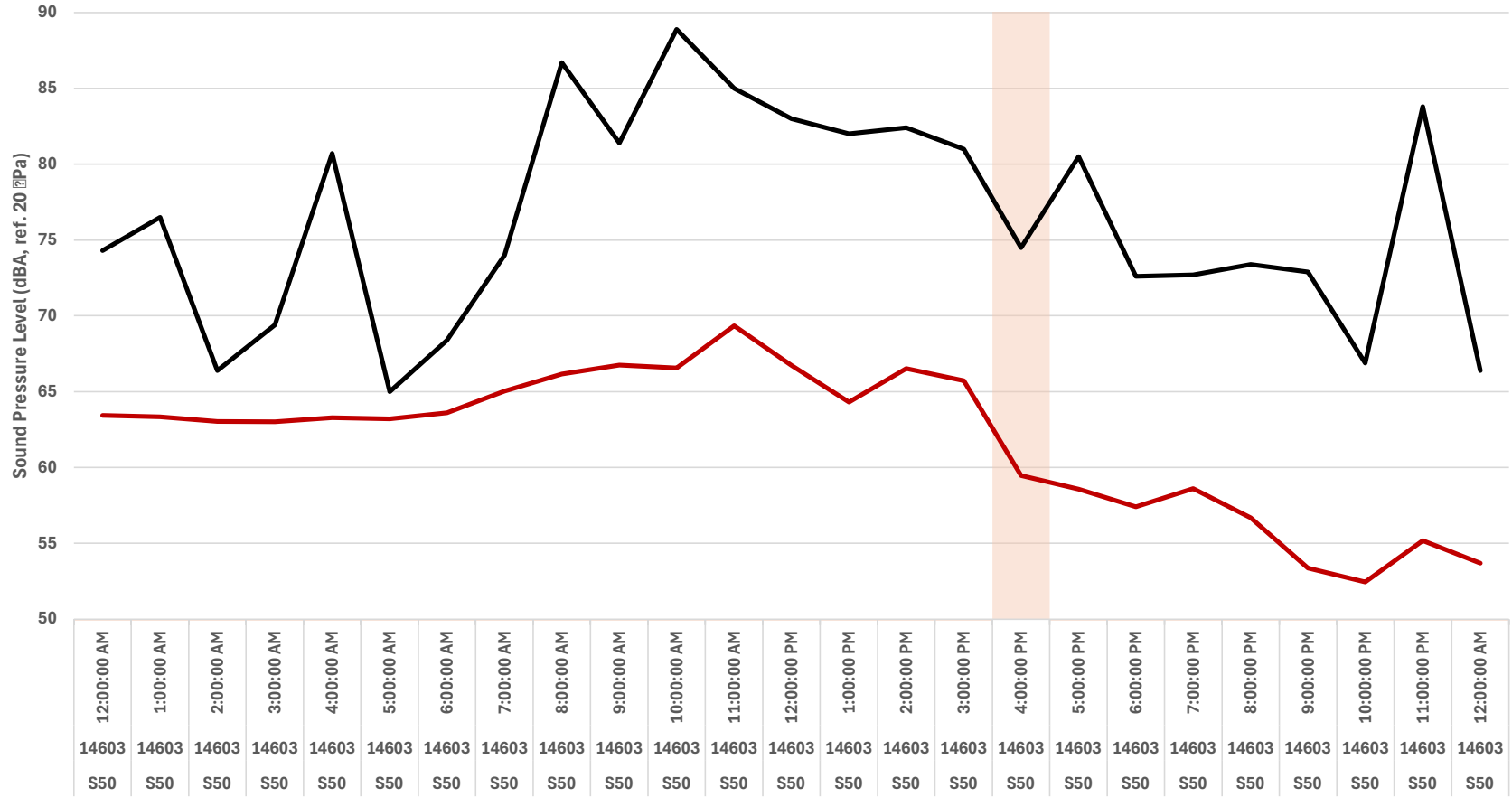
Data Not Valid (Adverse Weather)
 Lmax
 Leq(1-Hour)

Leq (1-hour) Noise Monitoring Results at Sensor A (May 9, 2024)



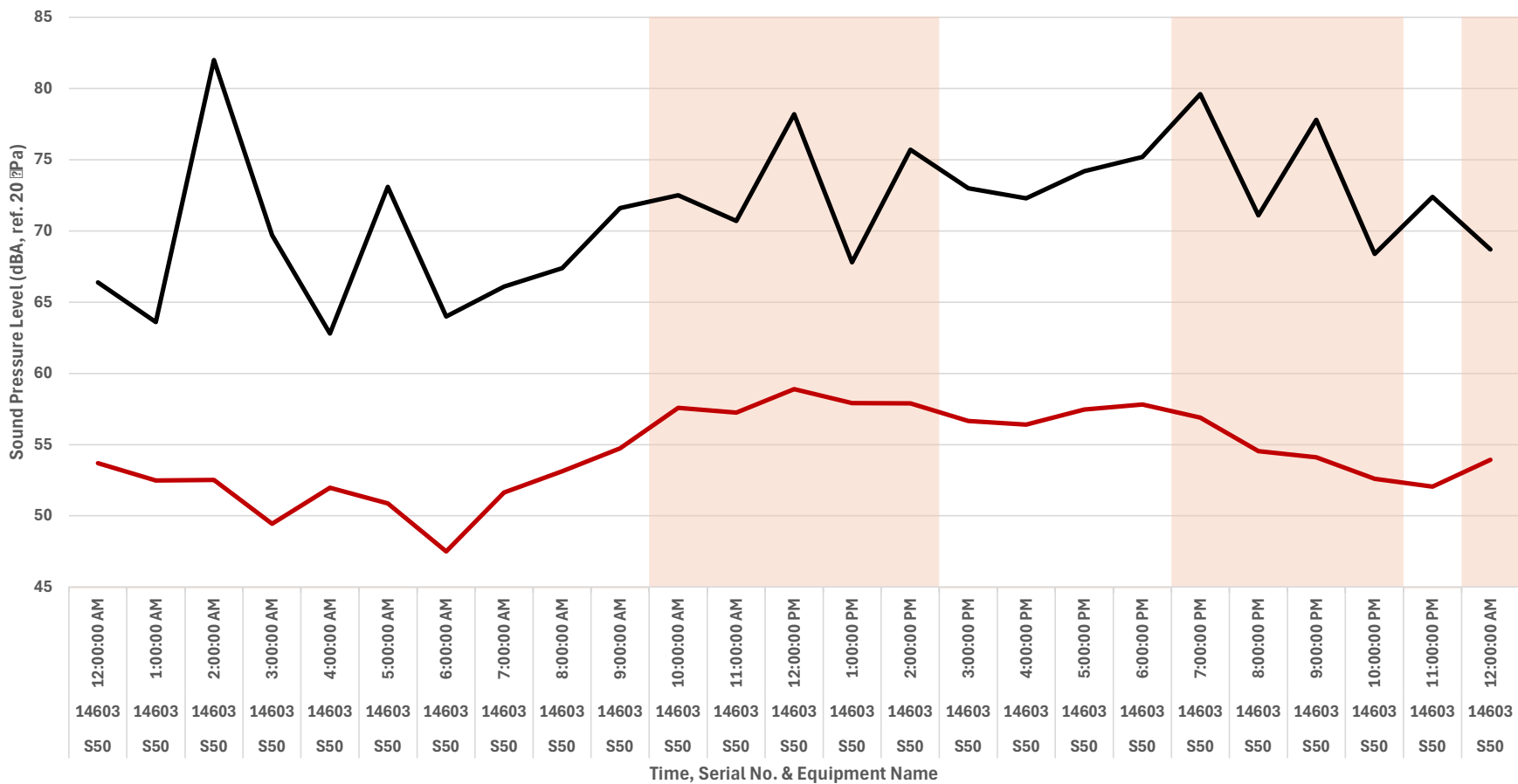
Data Not Valid (Adverse Weather)
 Lmax
 Leq(1-Hour)

Leq (1-hour) Noise Monitoring Results at Sensor A (May 10, 2024)



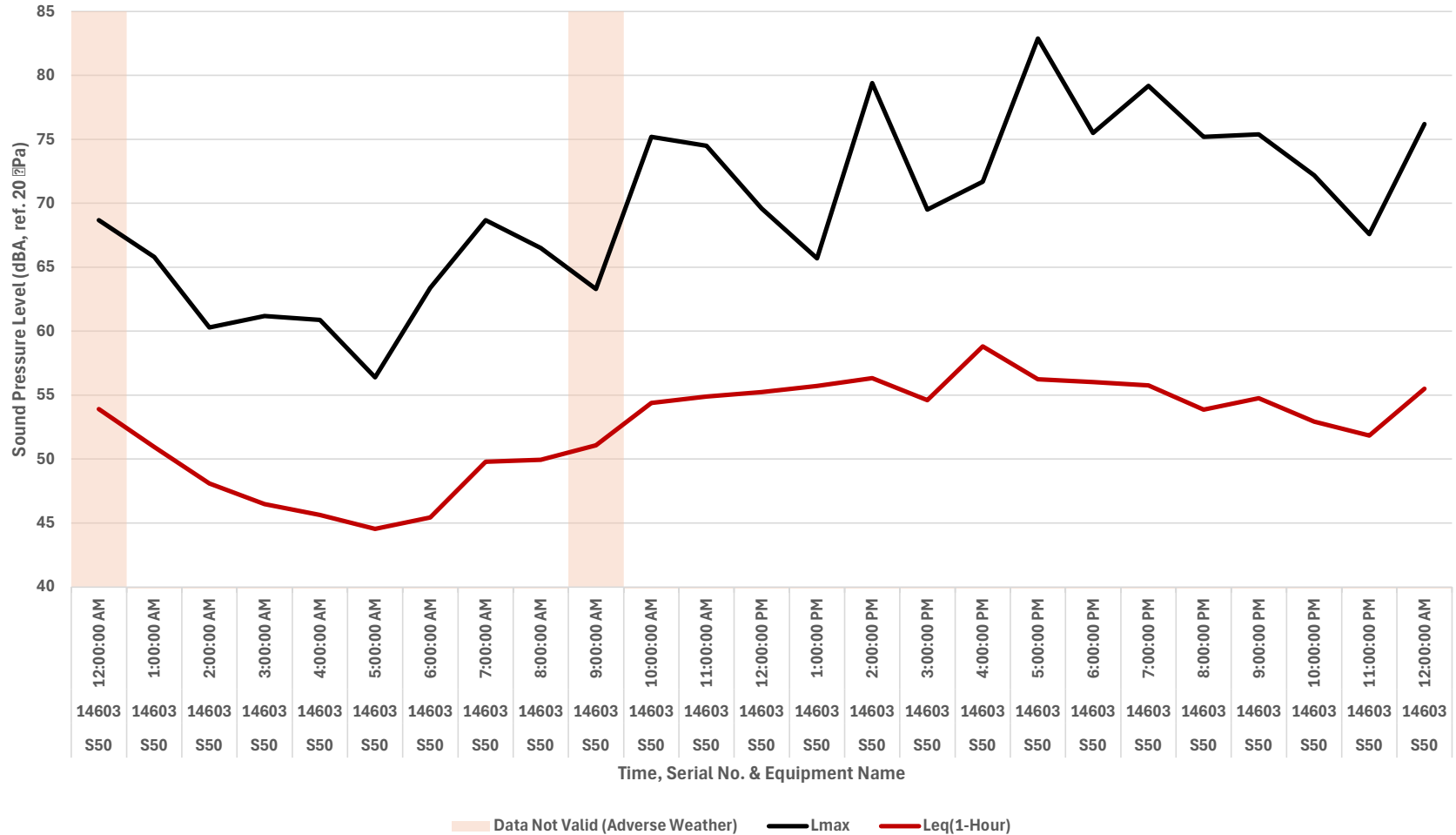
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 Lmax
 Leq(1-Hour)

Leq (1-hour) Noise Monitoring Results at Sensor A (May 11, 2024)

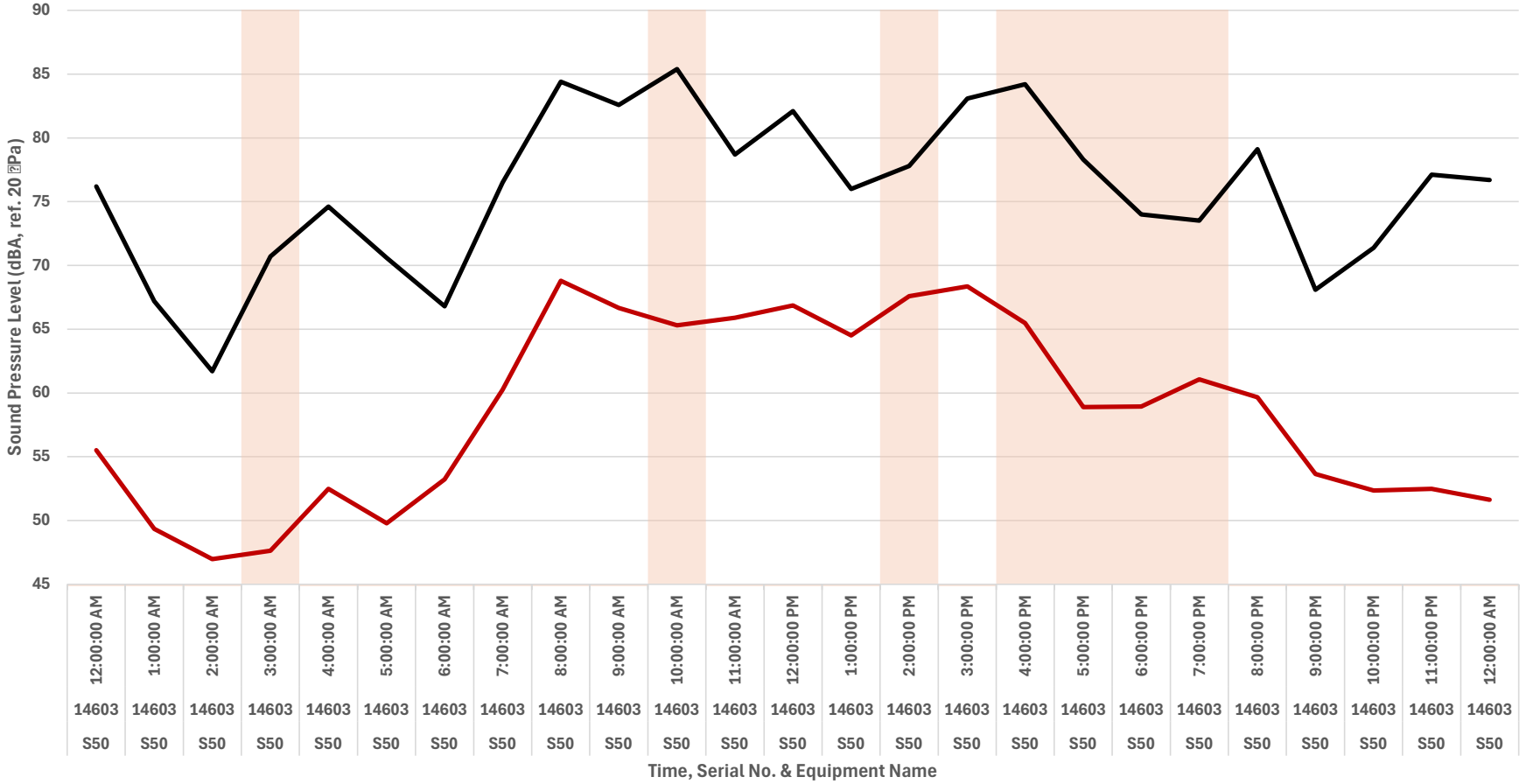


Data Not Valid (Adverse Weather)
 Lmax
 Leq(1-Hour)

Leq (1-hour) Noise Monitoring Results at Sensor A (May 12, 2024)

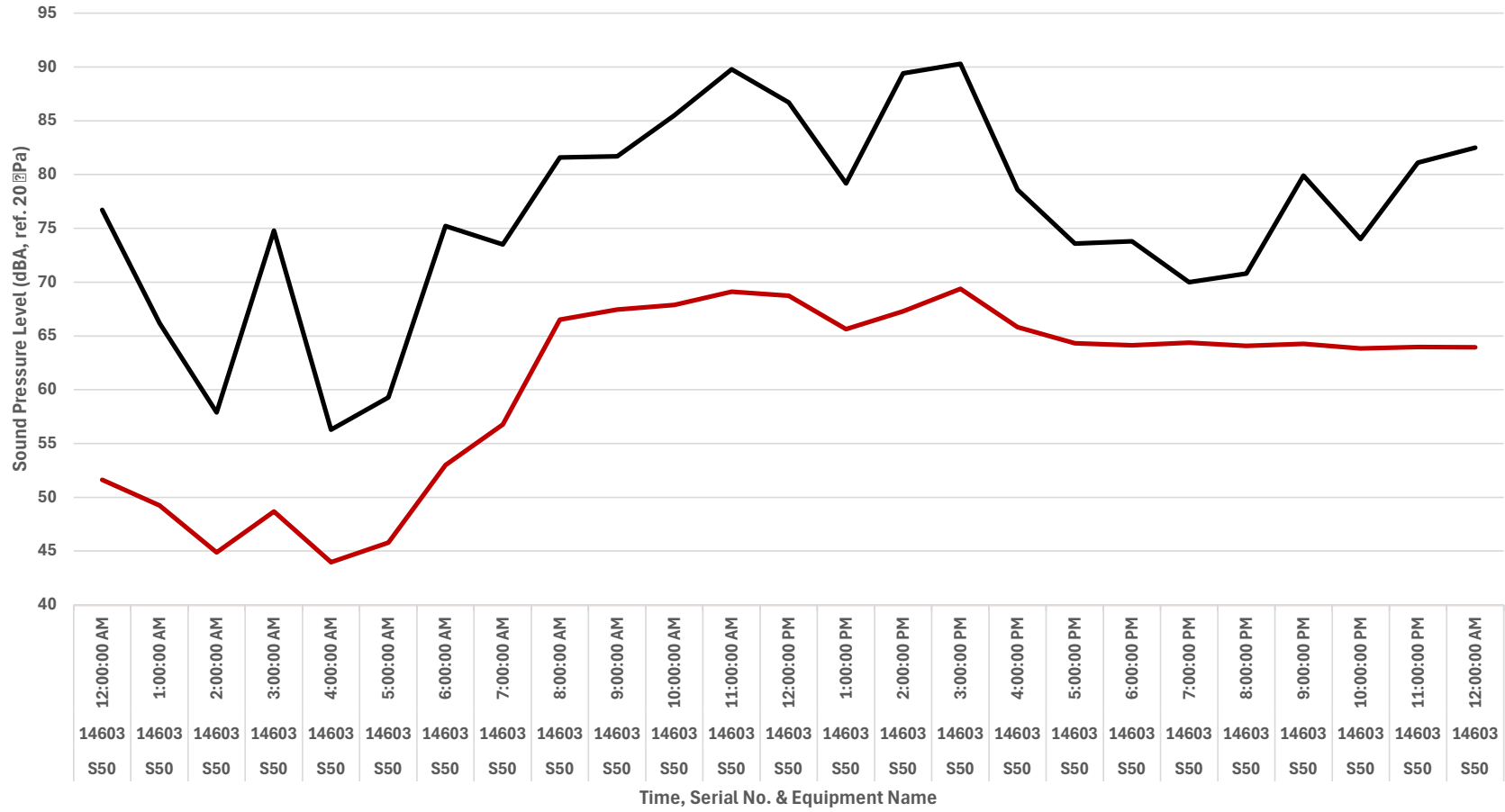


Leq (1-hour) Noise Monitoring Results at Sensor A (May 13, 2024)



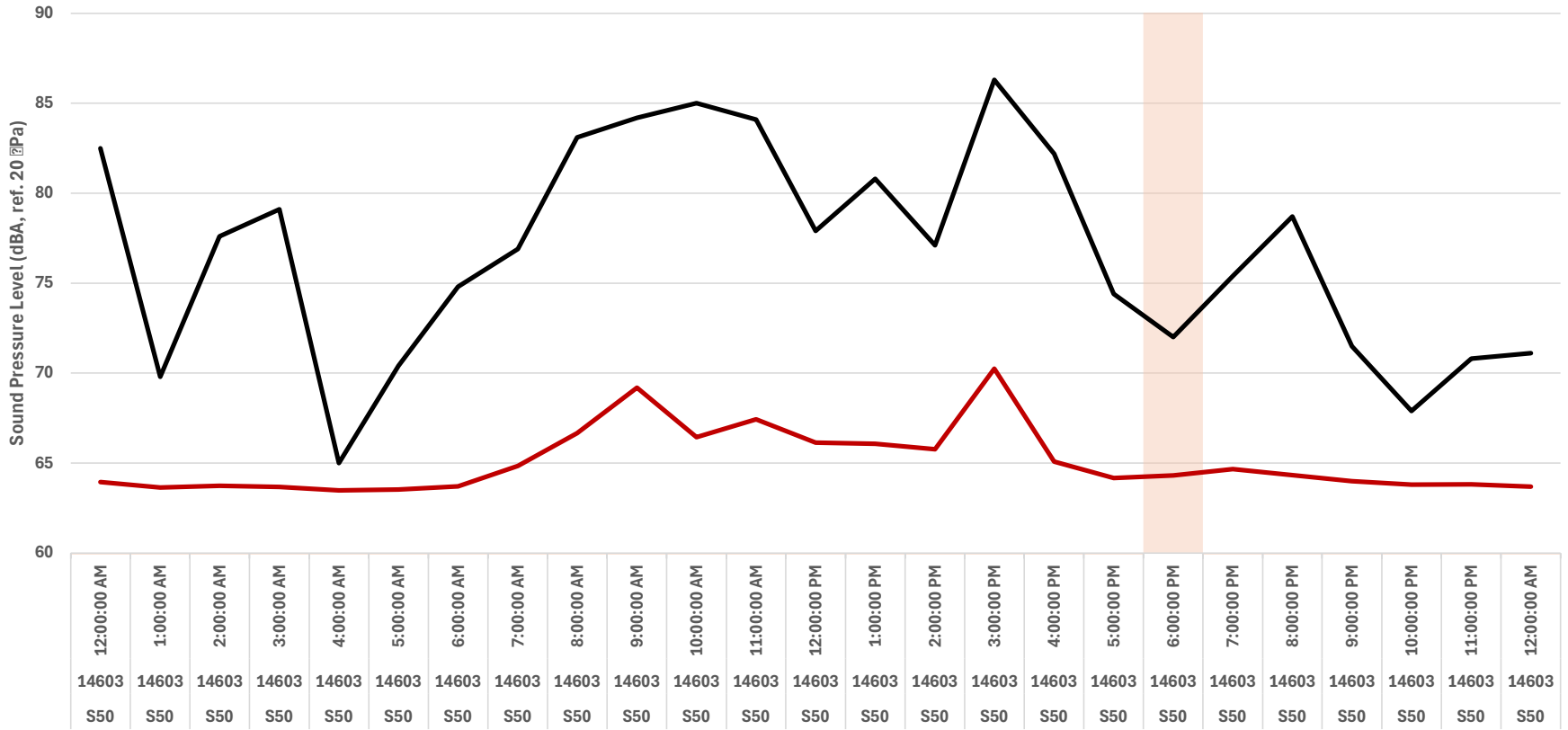
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 Lmax
 Leq(1-Hour)

Leq (1-hour) Noise Monitoring Results at Sensor A (May 14, 2024)



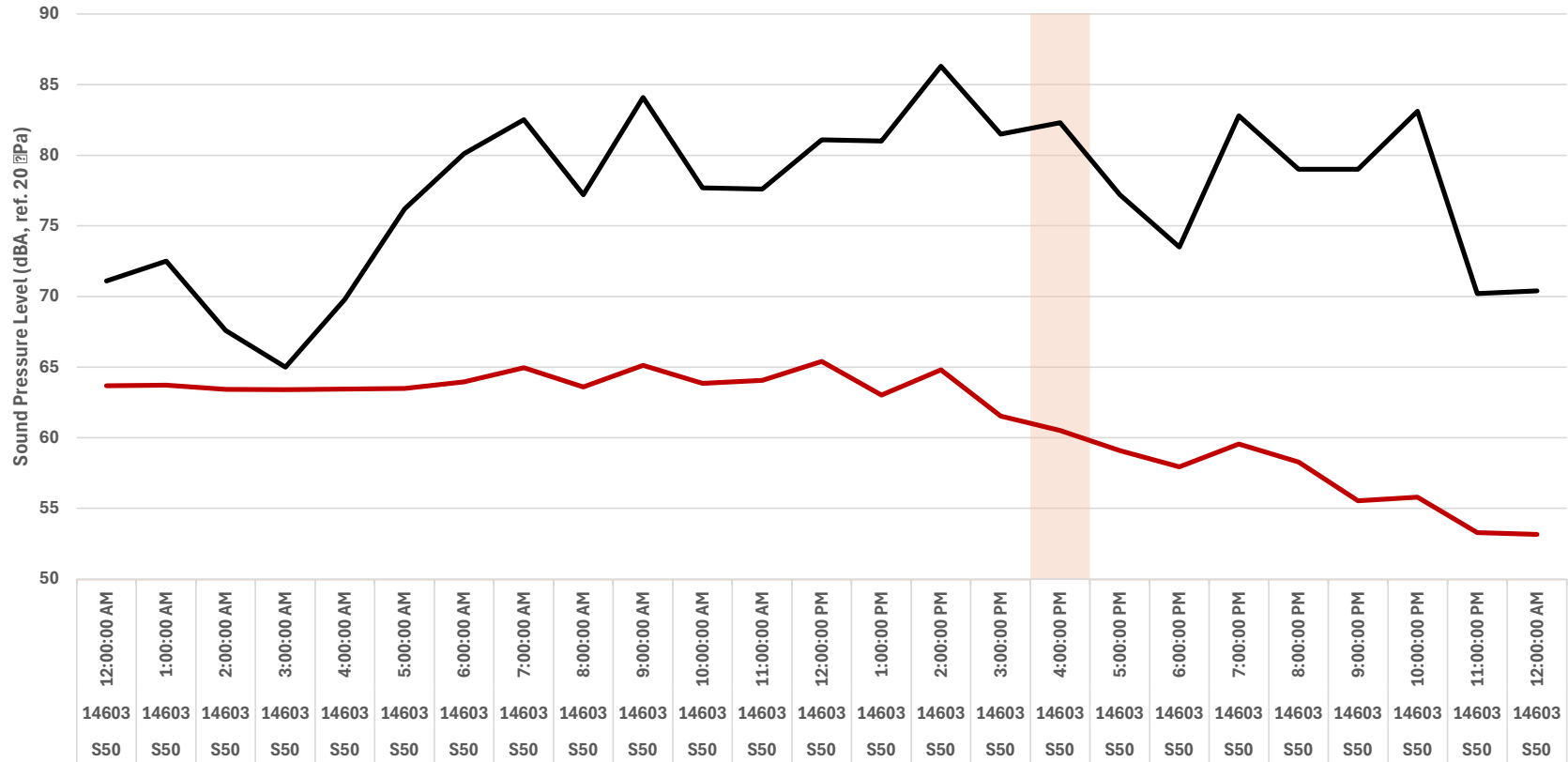
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 Lmax
 Leq(1-Hour)

Leq (1-hour) Noise Monitoring Results at Sensor A (May 15, 2024)



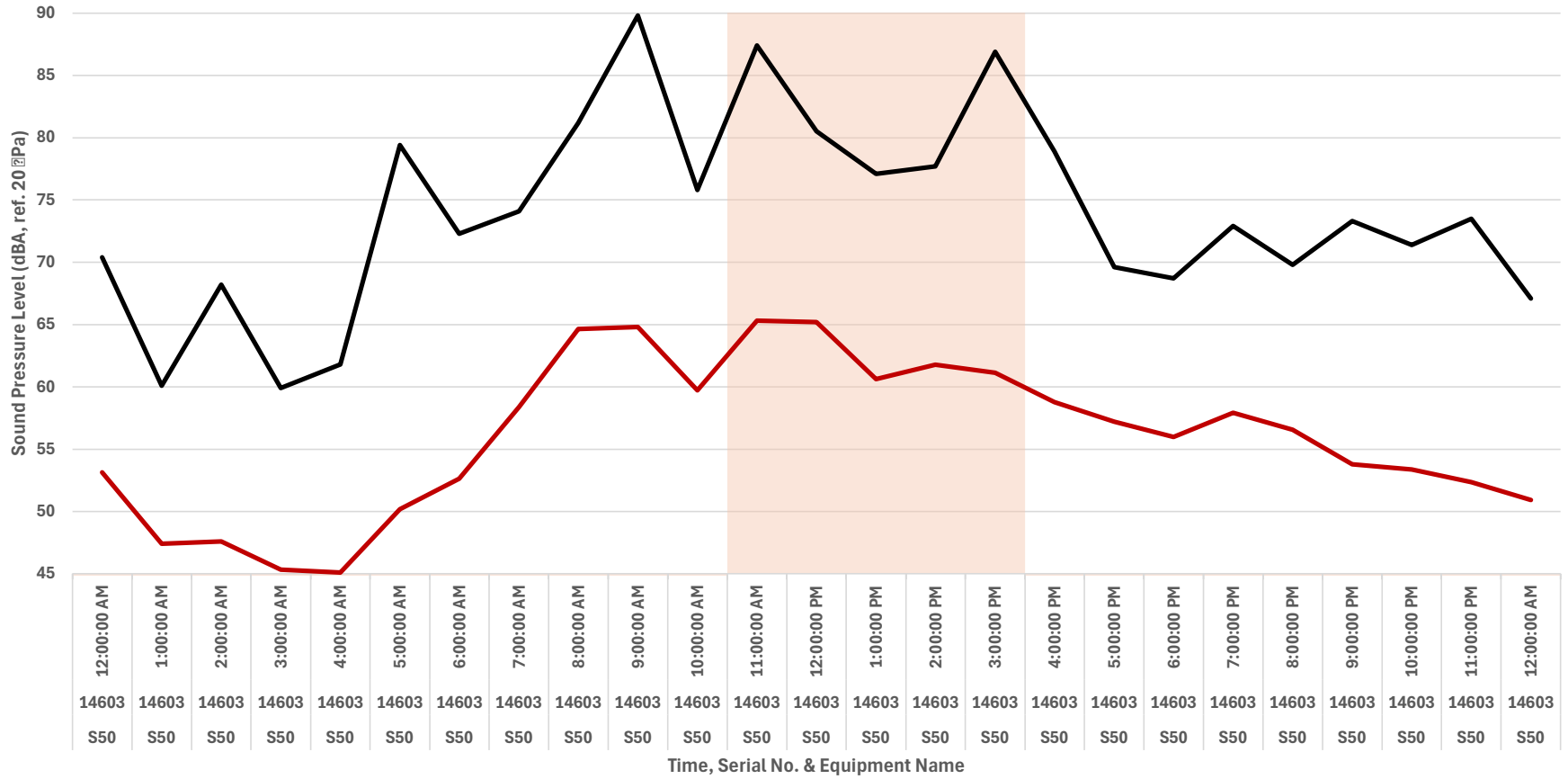
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 Lmax
 Leq(1-Hour)

Leq (1-hour) Noise Monitoring Results at Sensor A (May 16, 2024)



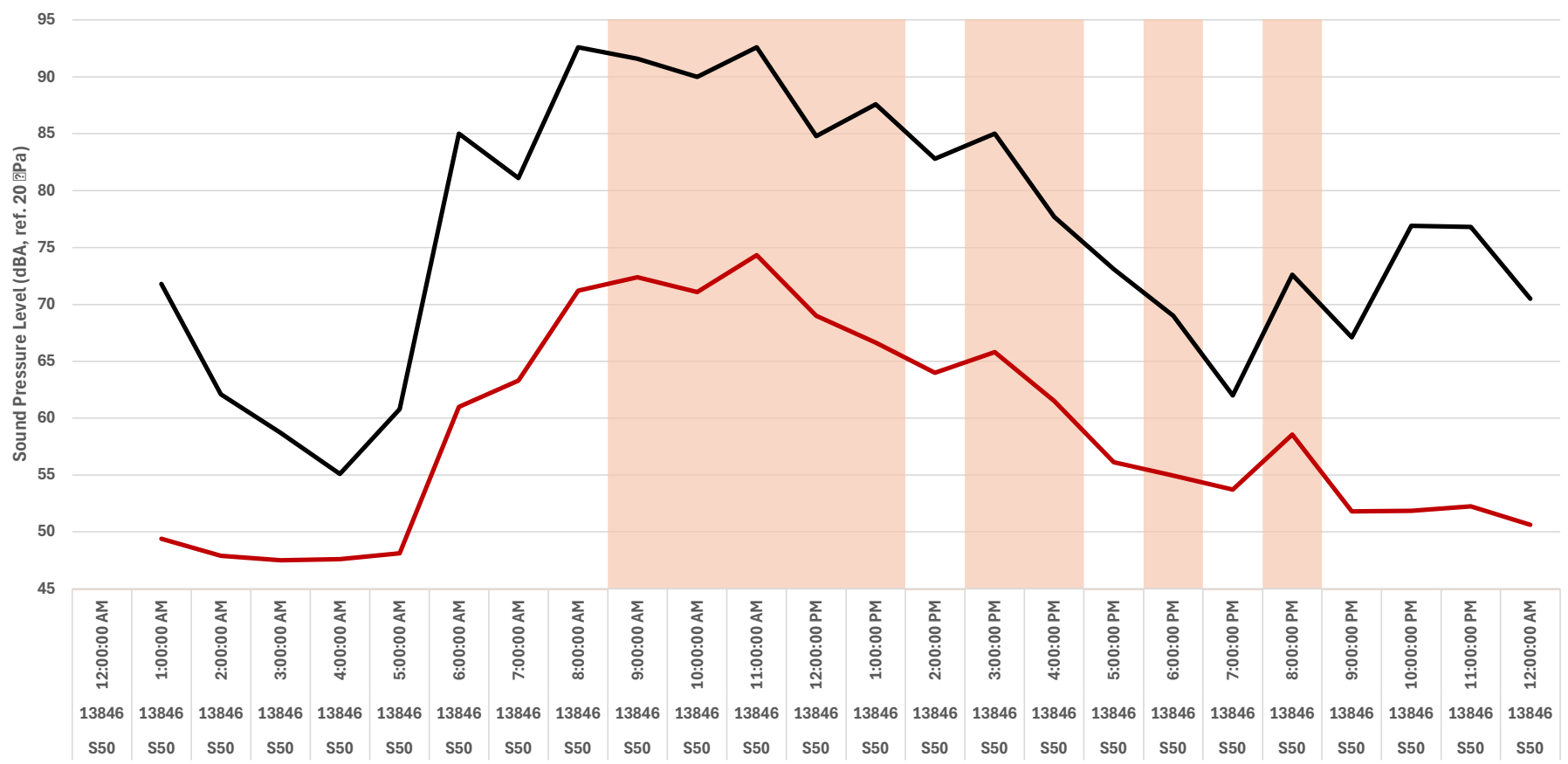
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 Lmax
 Leq(1-Hour)

Leq (1-hour) Noise Monitoring Results at Sensor A (May 17, 2024)



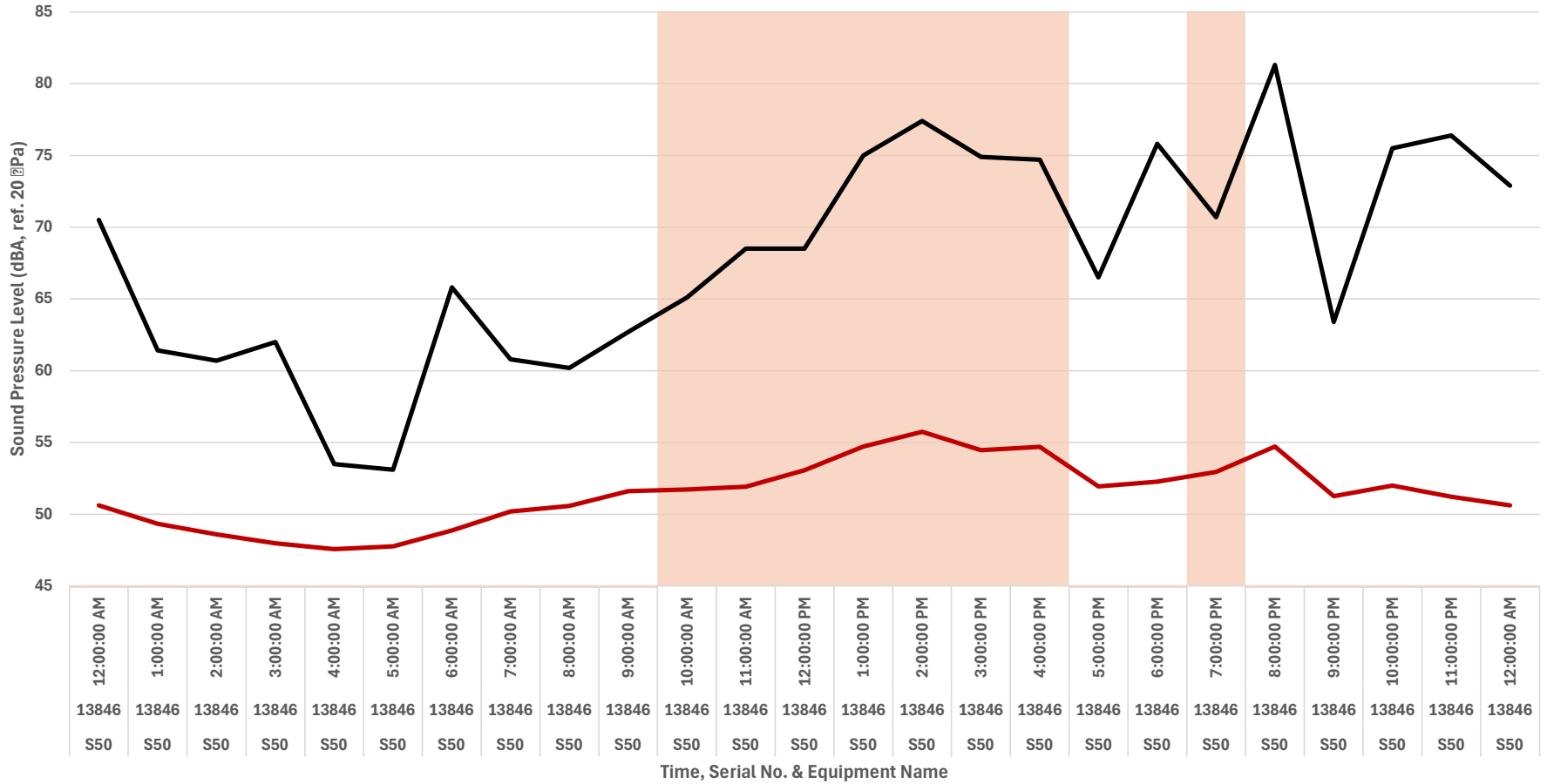
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 Leq(1-Hour)

Leq (1-hour) Noise Monitoring Results at Sensor B (May 3, 2024)



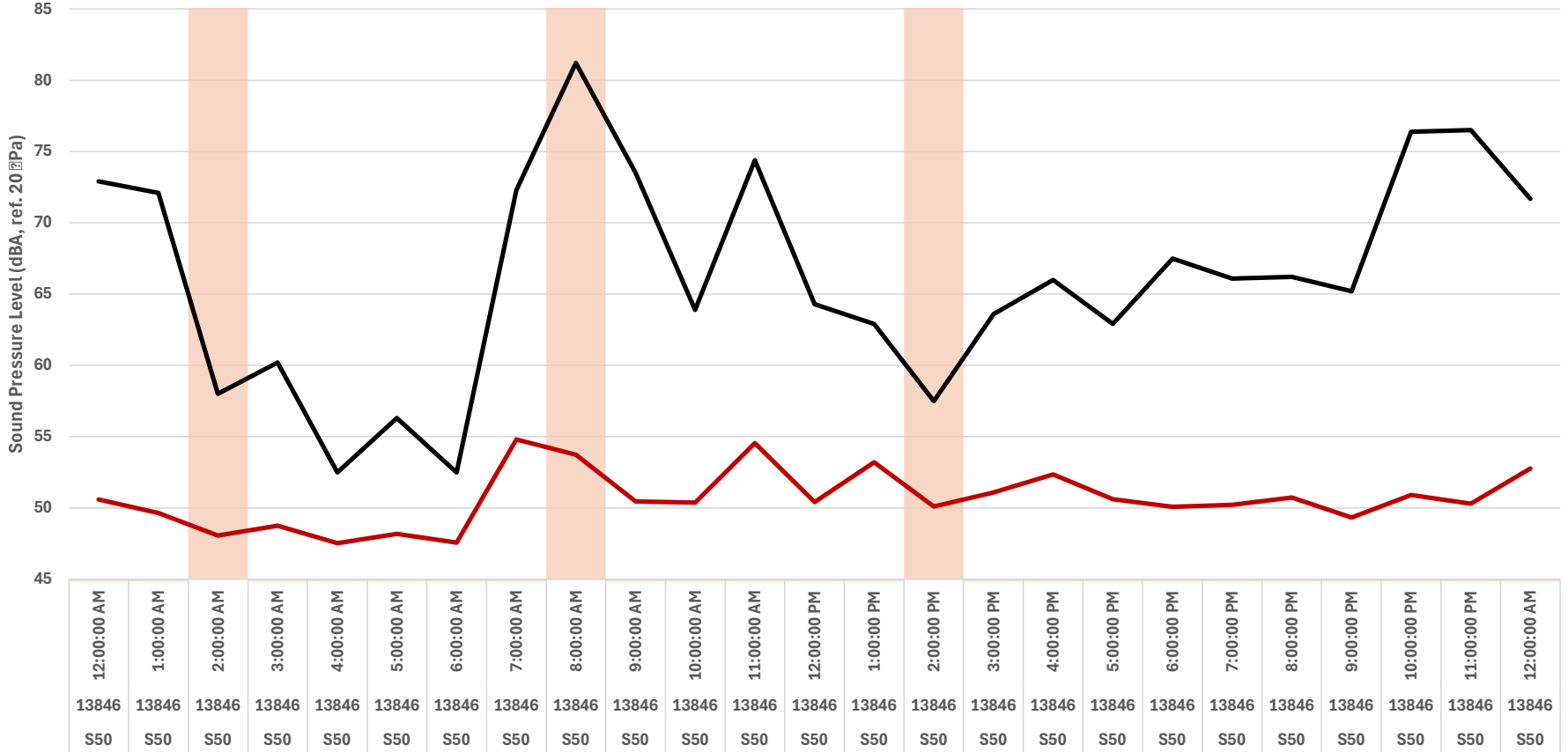
Data Not Valid (Adverse Weather)
 Leq(1-Hour)
 Lmax

Leq (1-hour) Noise Monitoring Results at Sensor B (May 4, 2024)



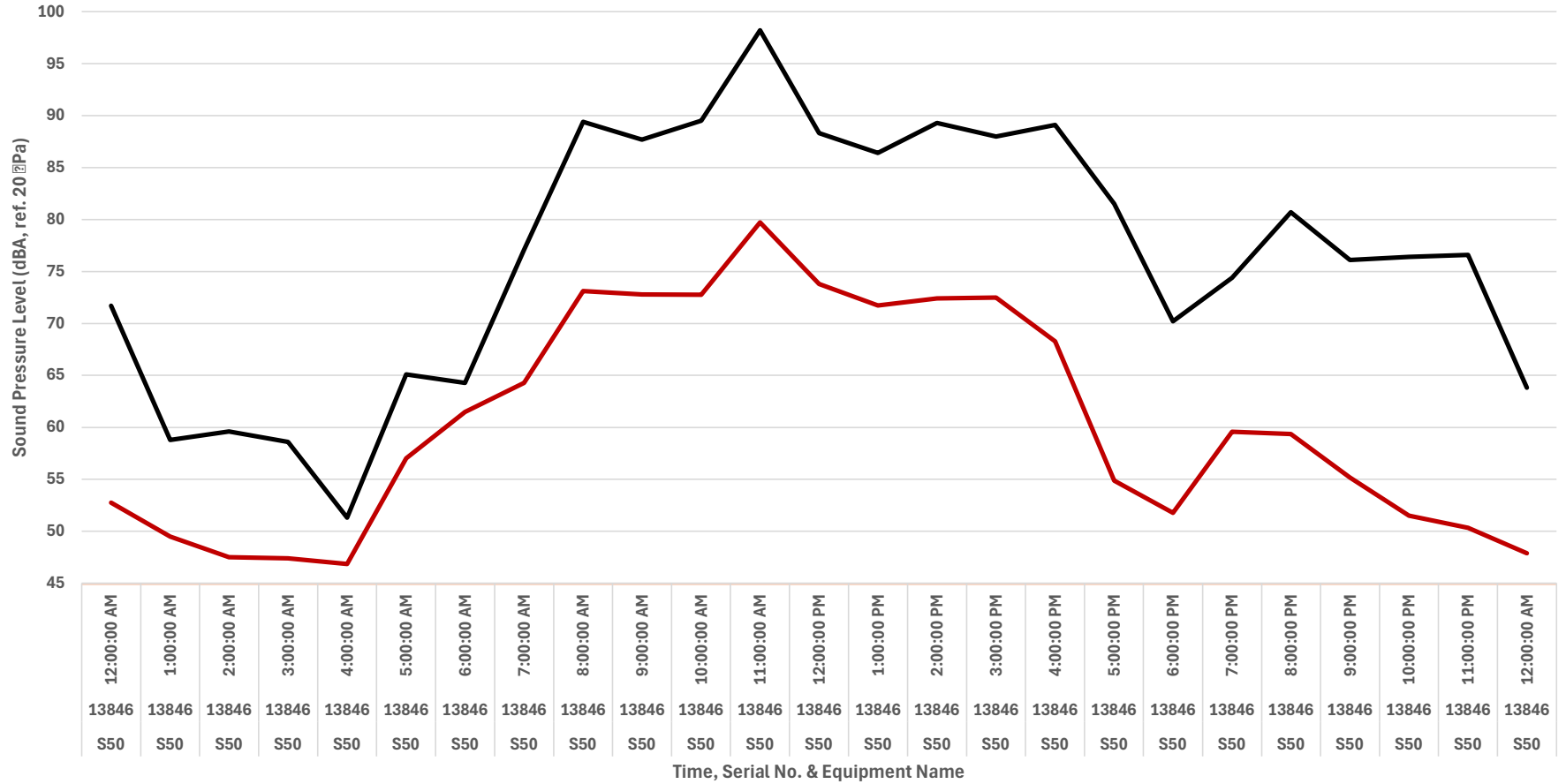
Data Not Valid (Adverse Weather)
 Leq(1-Hour)
 Lmax

Leq (1-hour) Noise Monitoring Results at Sensor B (May 5, 2024)



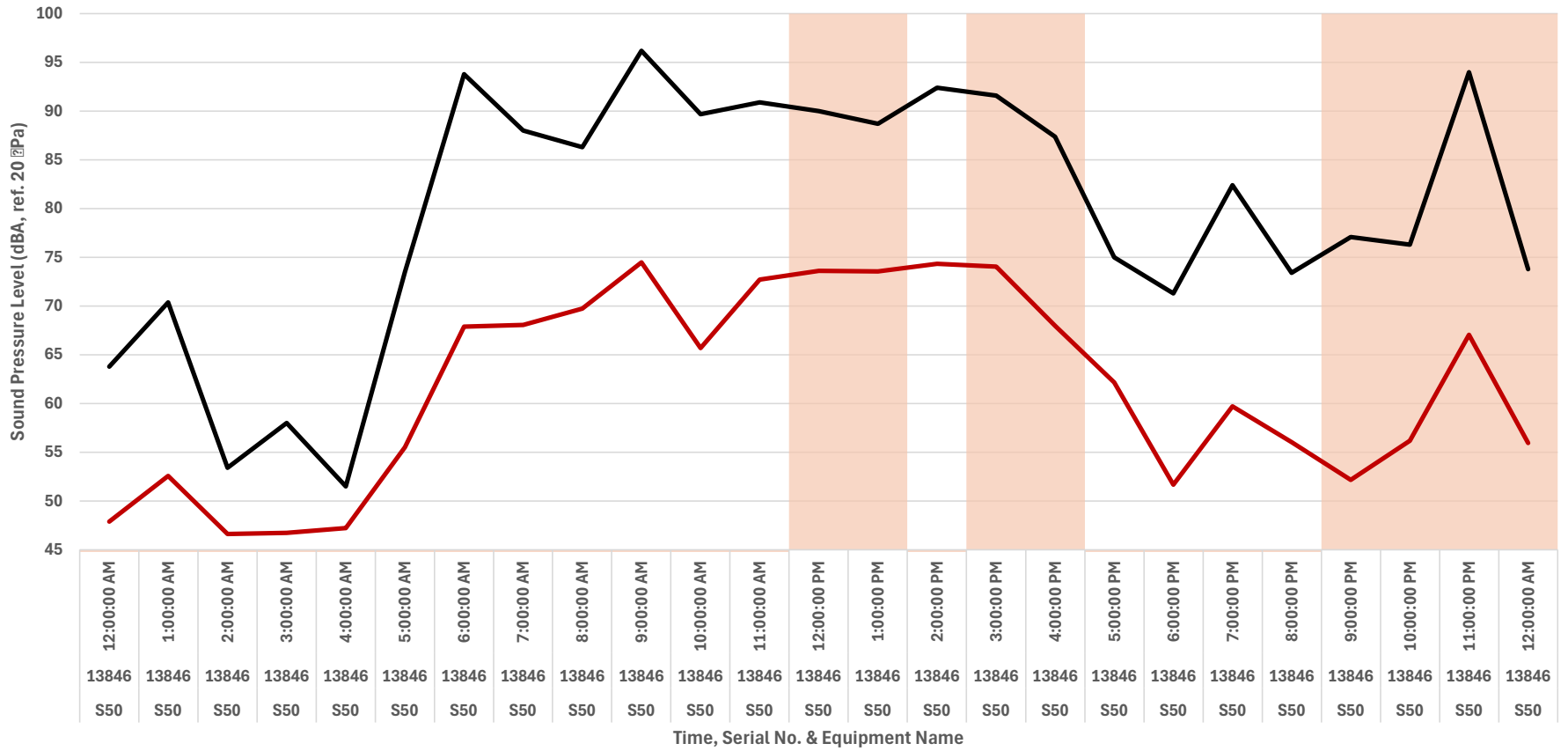
Data Not Valid (Adverse Weather)
 Leq(1-Hour)
 Lmax

Leq (1-hour) Noise Monitoring Results at Sensor B (May 6, 2024)



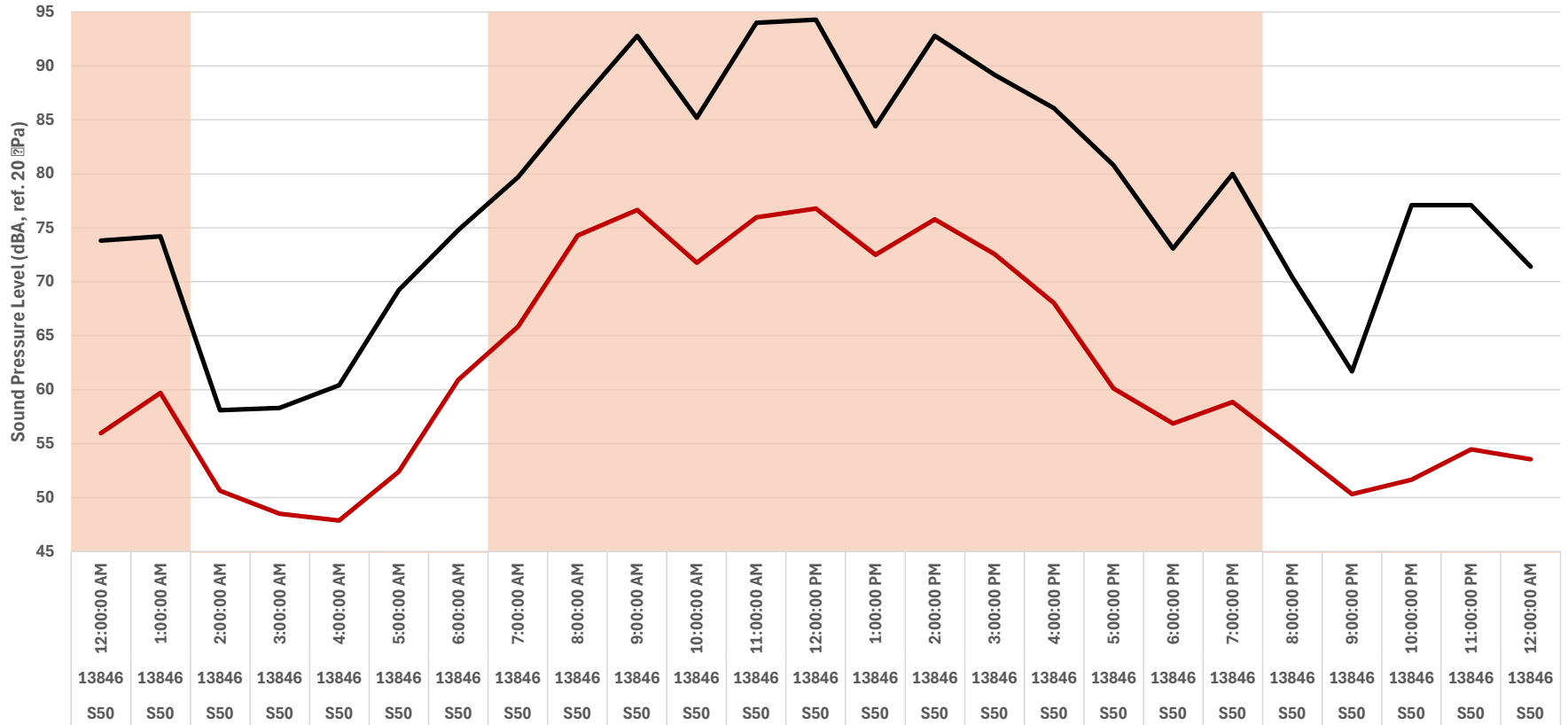
■ Data Not Valid (Adverse Weather)
 — Leq(1-Hour)
 — Lmax

Leq (1-hour) Noise Monitoring Results at Sensor B (May 7, 2024)



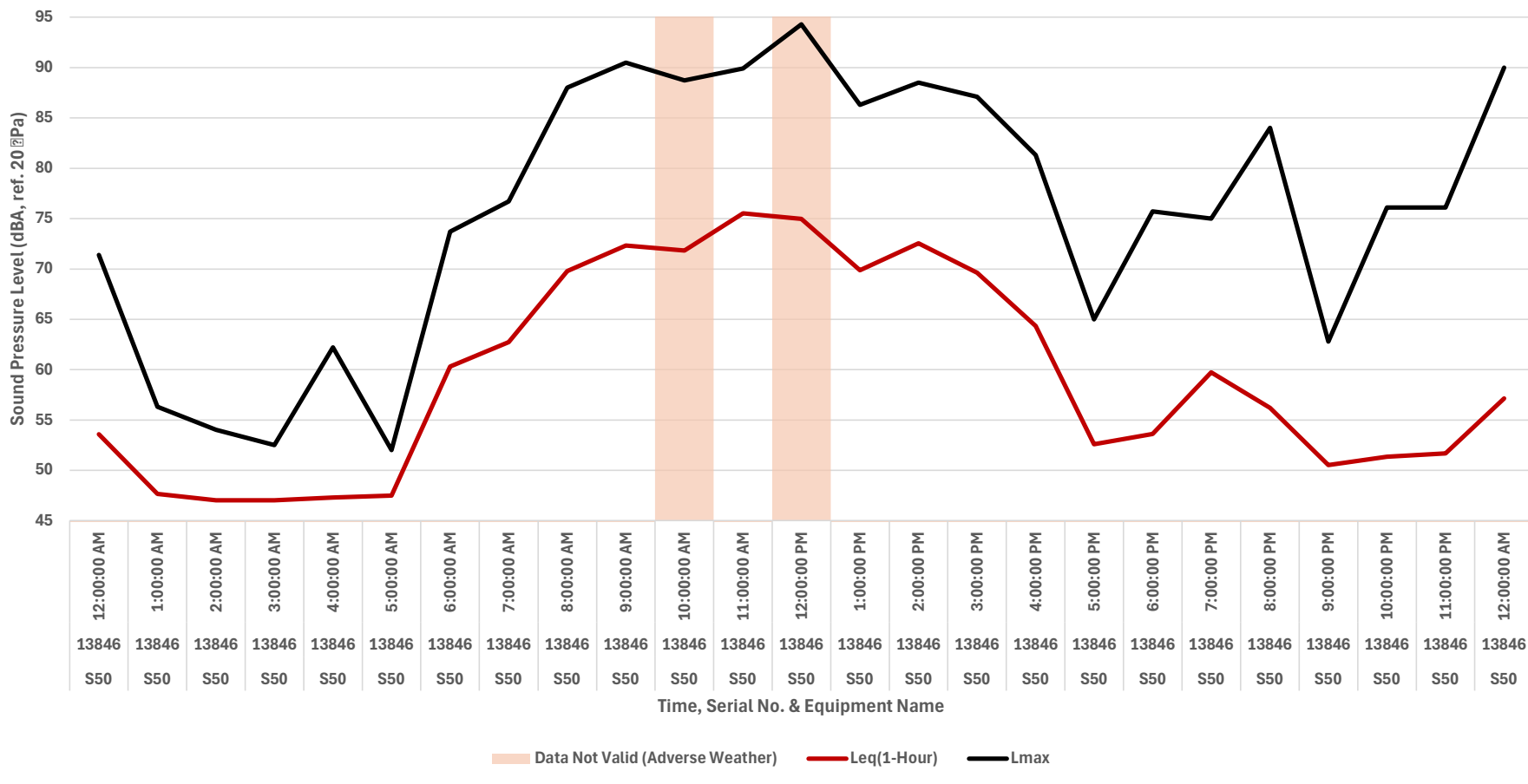
Data Not Valid (Adverse Weather)
 Leq(1-Hour)
 Lmax

Leq (1-hour) Noise Monitoring Results at Sensor B (May 8, 2024)

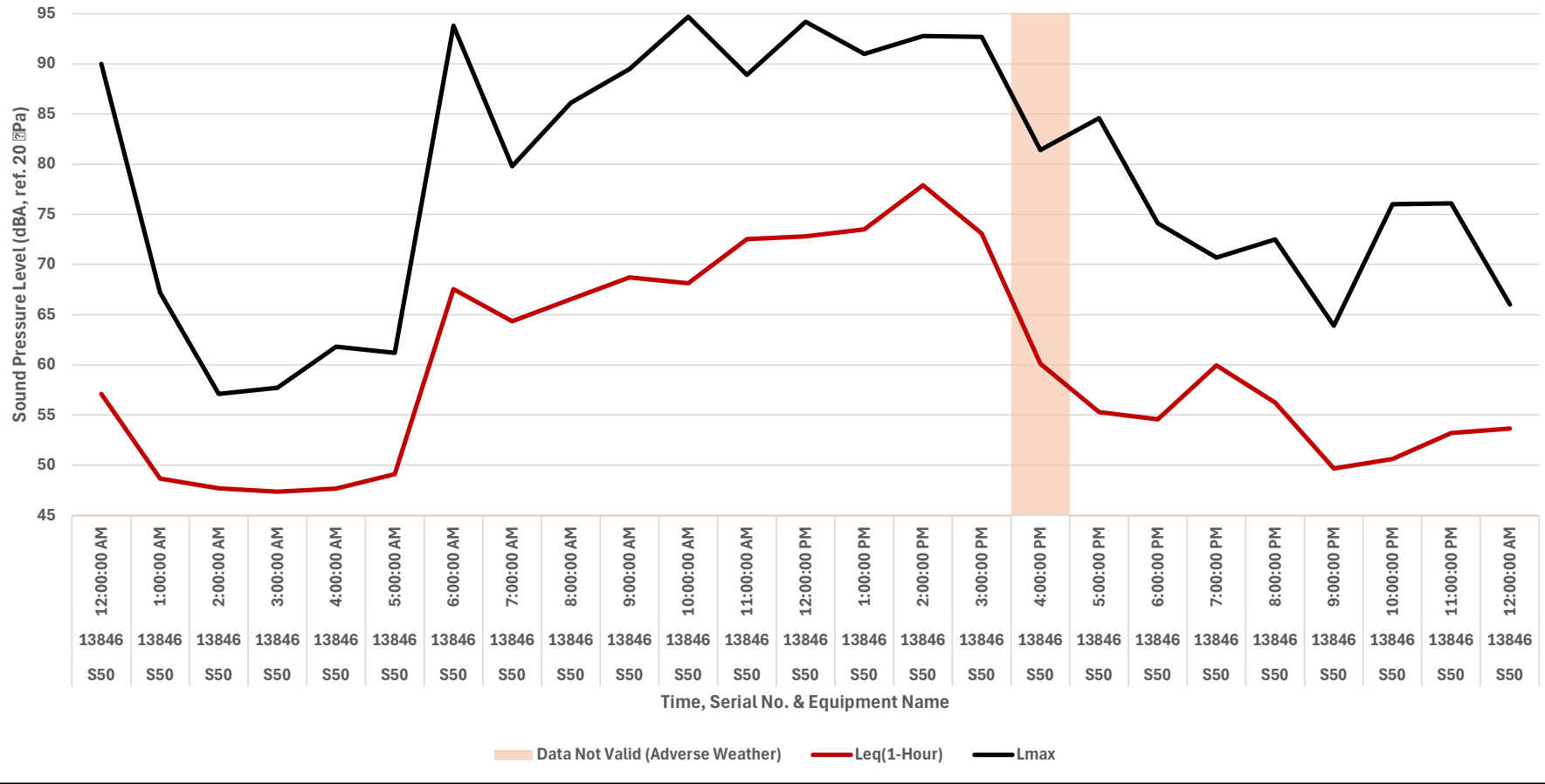


Data Not Valid (Adverse Weather)
 Leq(1-Hour)
 Lmax

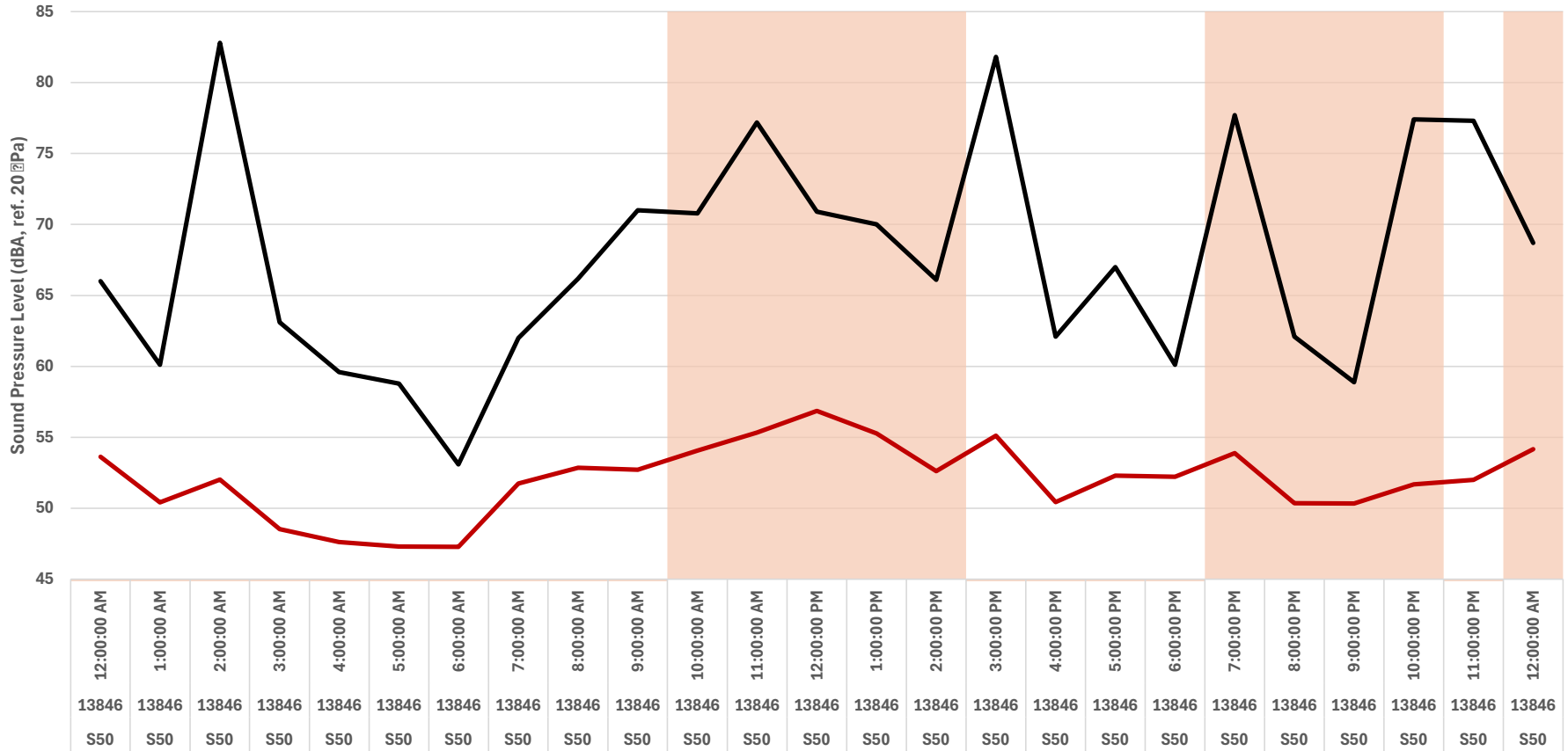
Leq (1-hour) Noise Monitoring Results at Sensor B (May 9, 2024)



Leq (1-hour) Noise Monitoring Results at Sensor B (May 10, 2024)



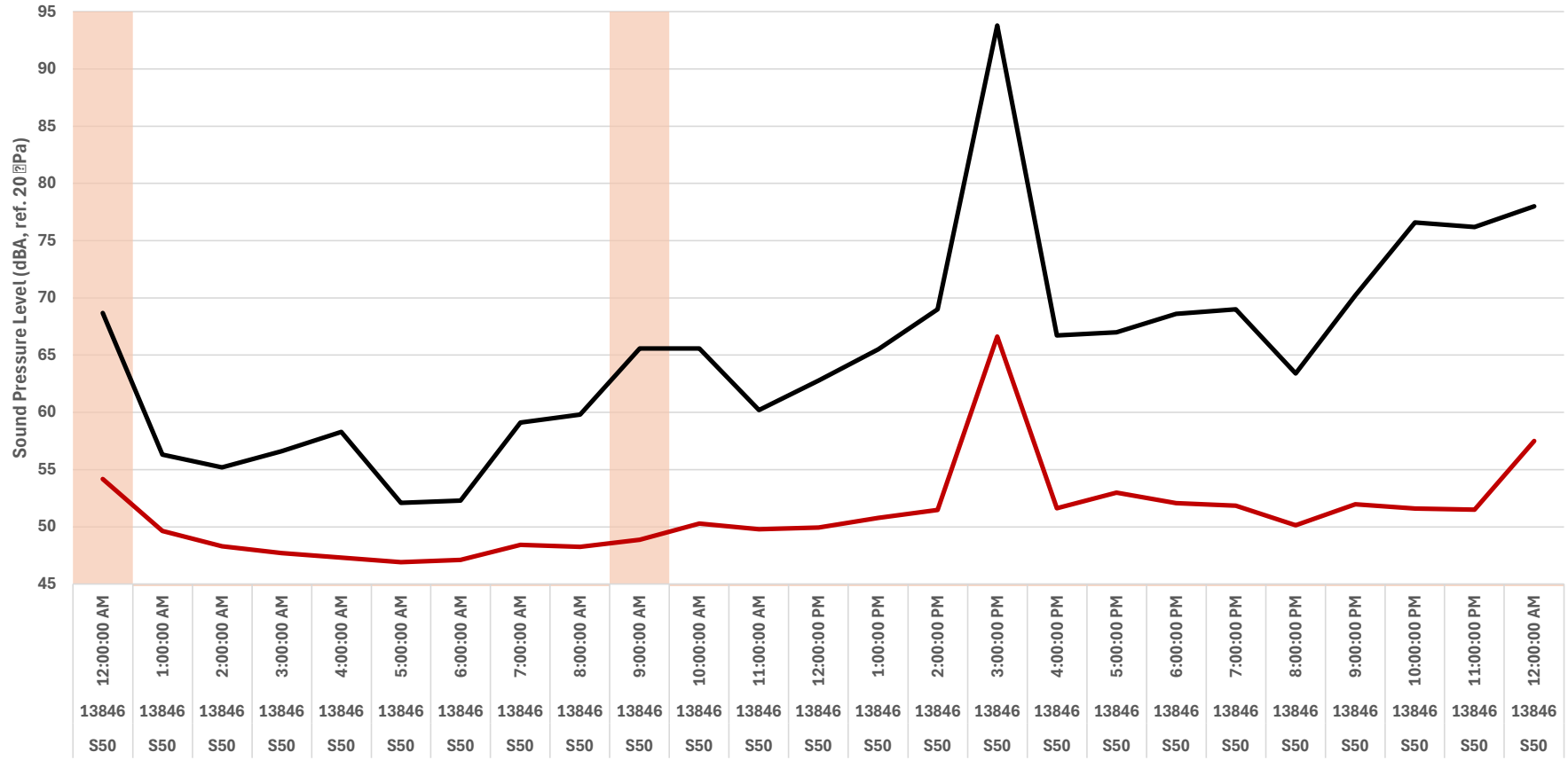
Leq (1-hour) Noise Monitoring Results at Sensor B (May 11, 2024)



Time, Serial No. & Equipment Name

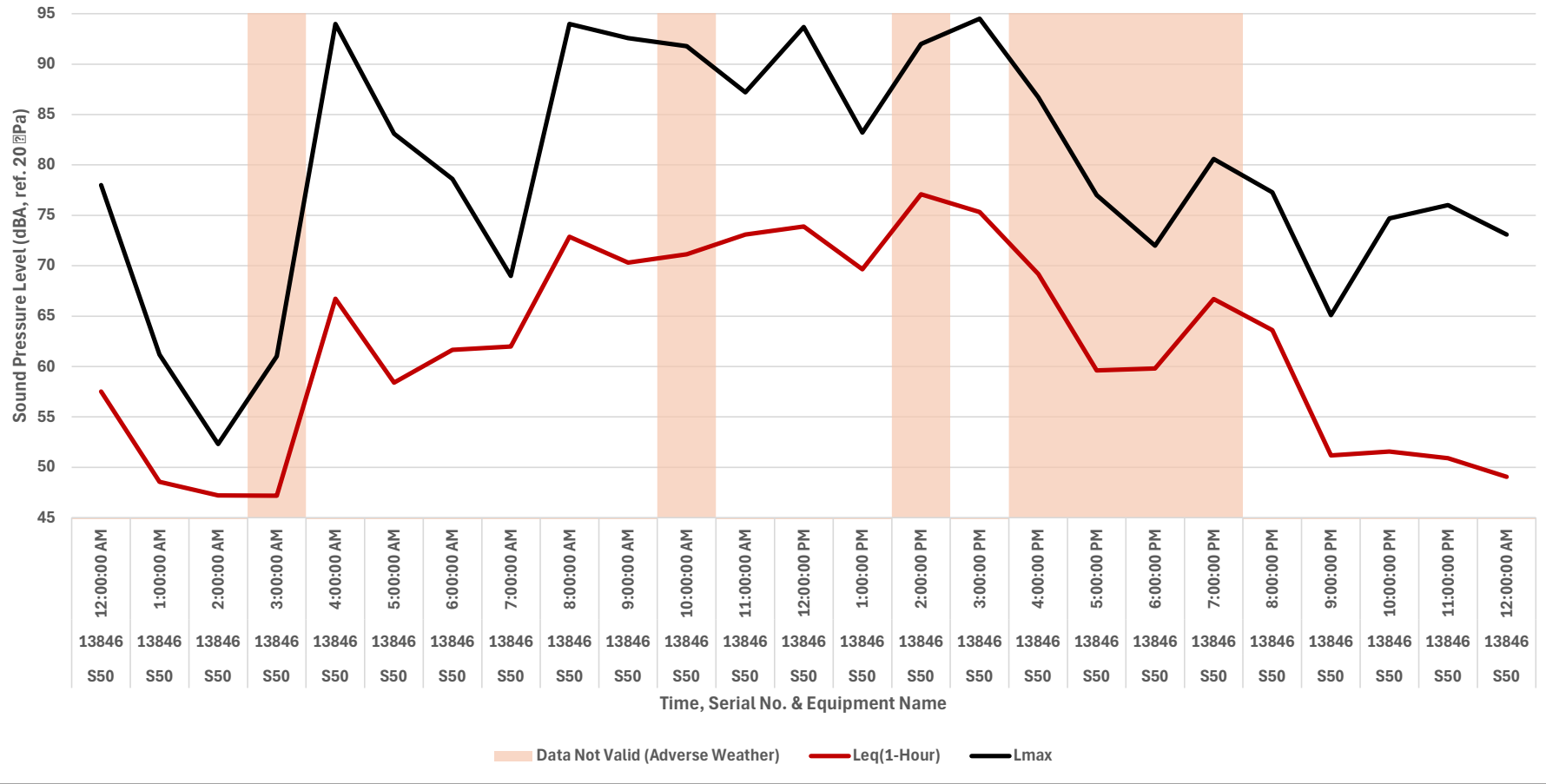
Data Not Valid (Adverse Weather)
 Leq(1-Hour)
 Lmax

Leq (1-hour) Noise Monitoring Results at Sensor B (May 12, 2024)



Data Not Valid (Adverse Weather)
 Leq(1-Hour)
 Lmax

Leq (1-hour) Noise Monitoring Results at Sensor B (May 13, 2024)



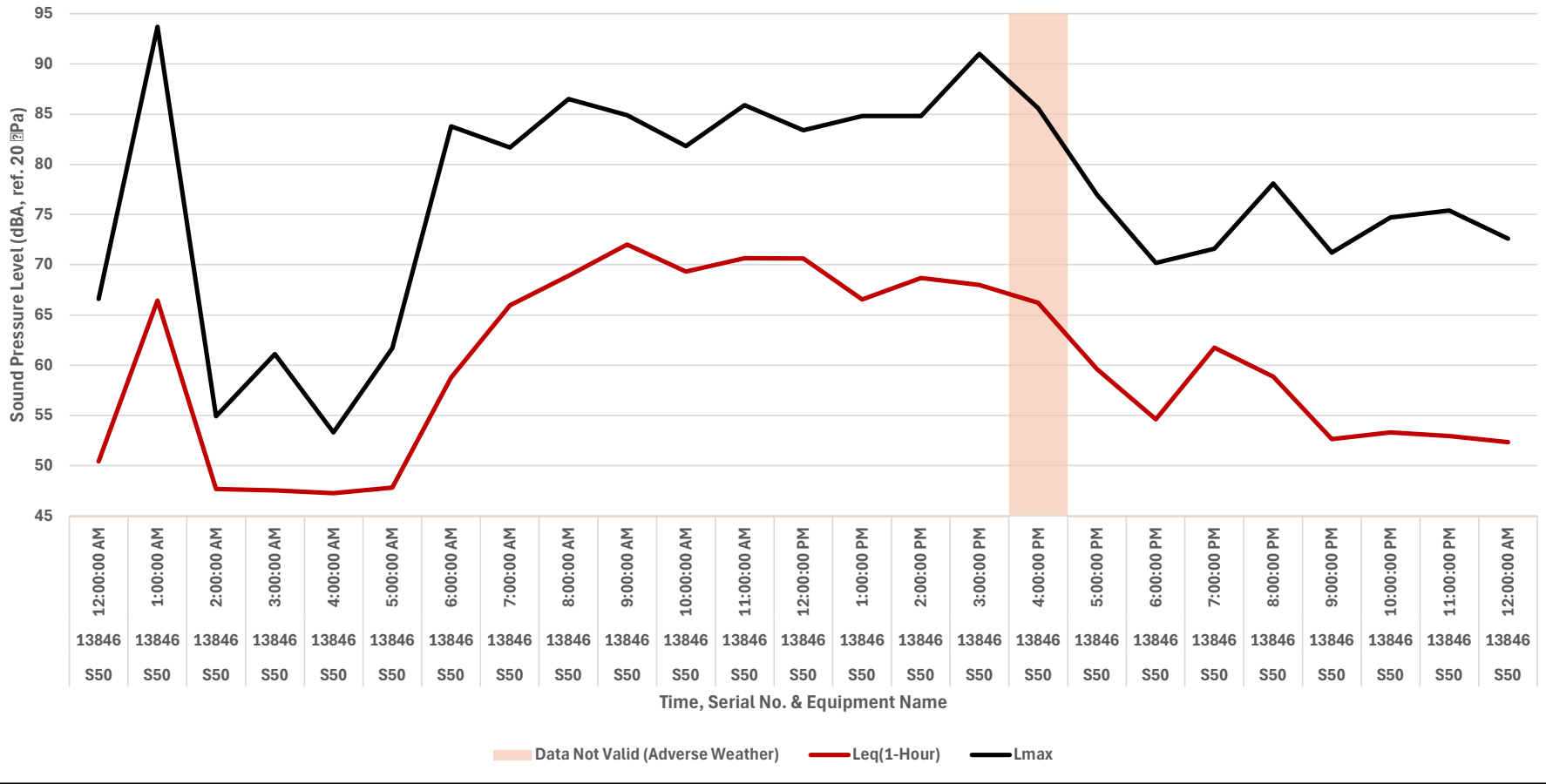
Leq (1-hour) Noise Monitoring Results at Sensor B (May 14, 2024)



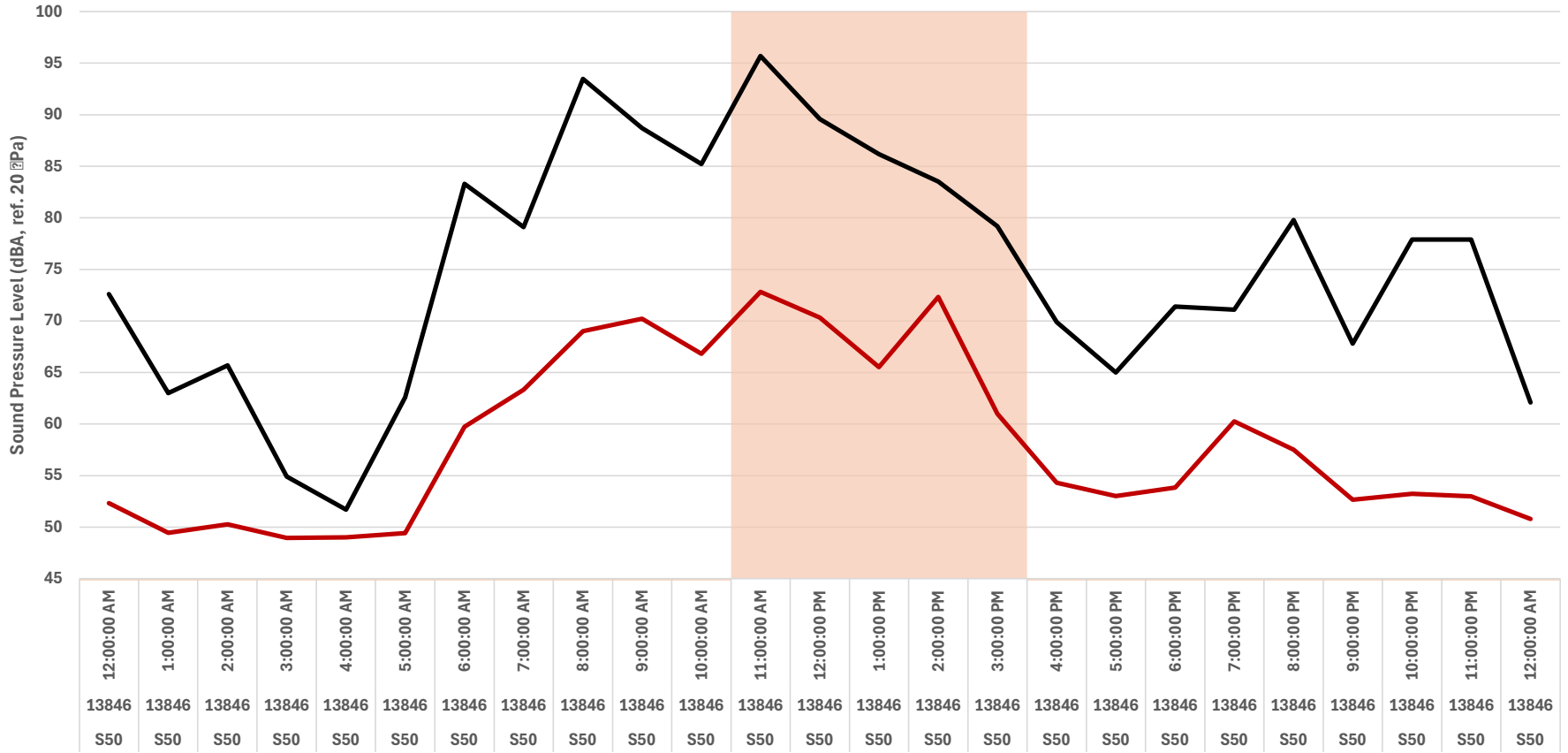
Leq (1-hour) Noise Monitoring Results at Sensor B (May 15, 2024)



Leq (1-hour) Noise Monitoring Results at Sensor B (May 16, 2024)

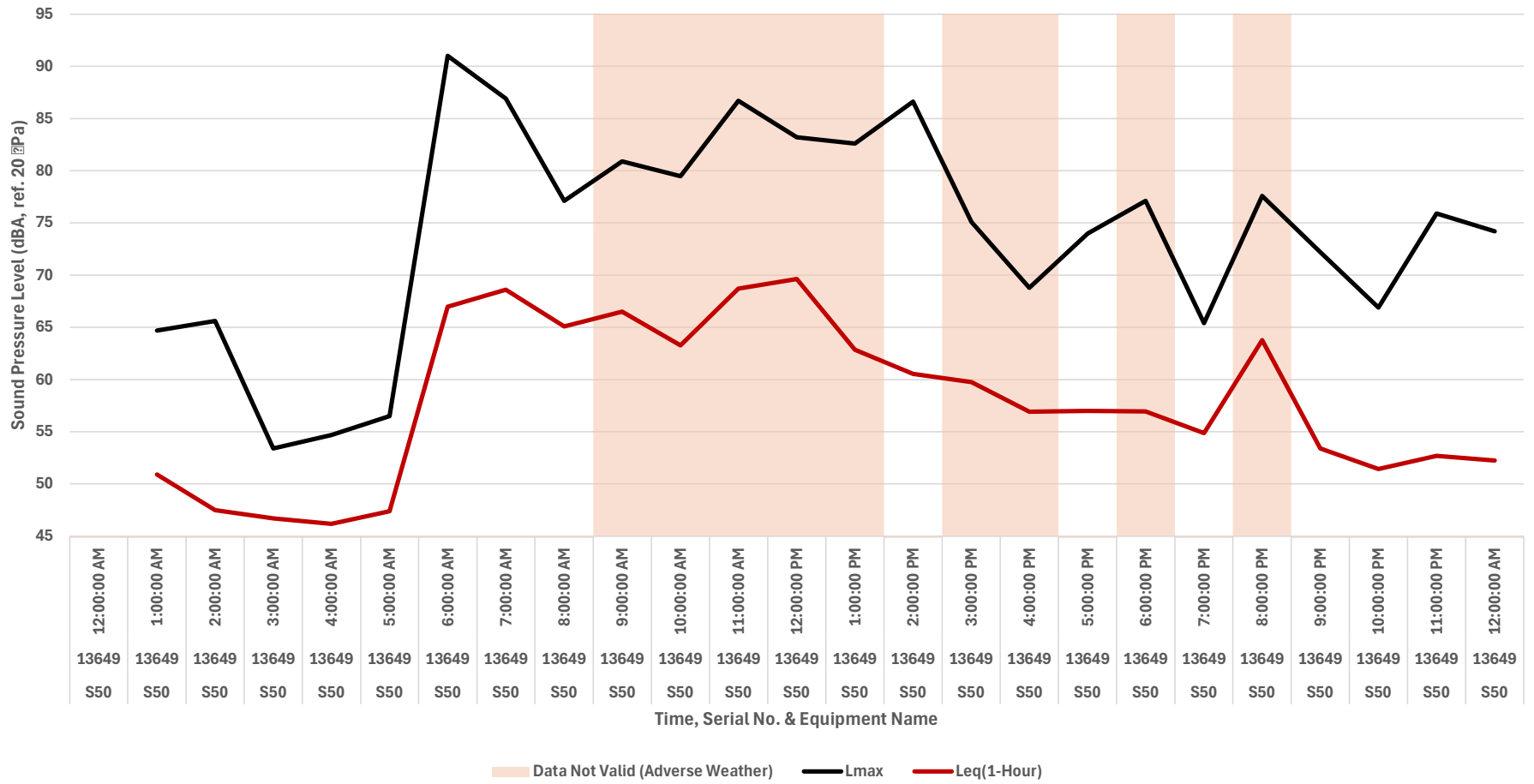


Leq (1-hour) Noise Monitoring Results at Sensor B (May 17, 2024)

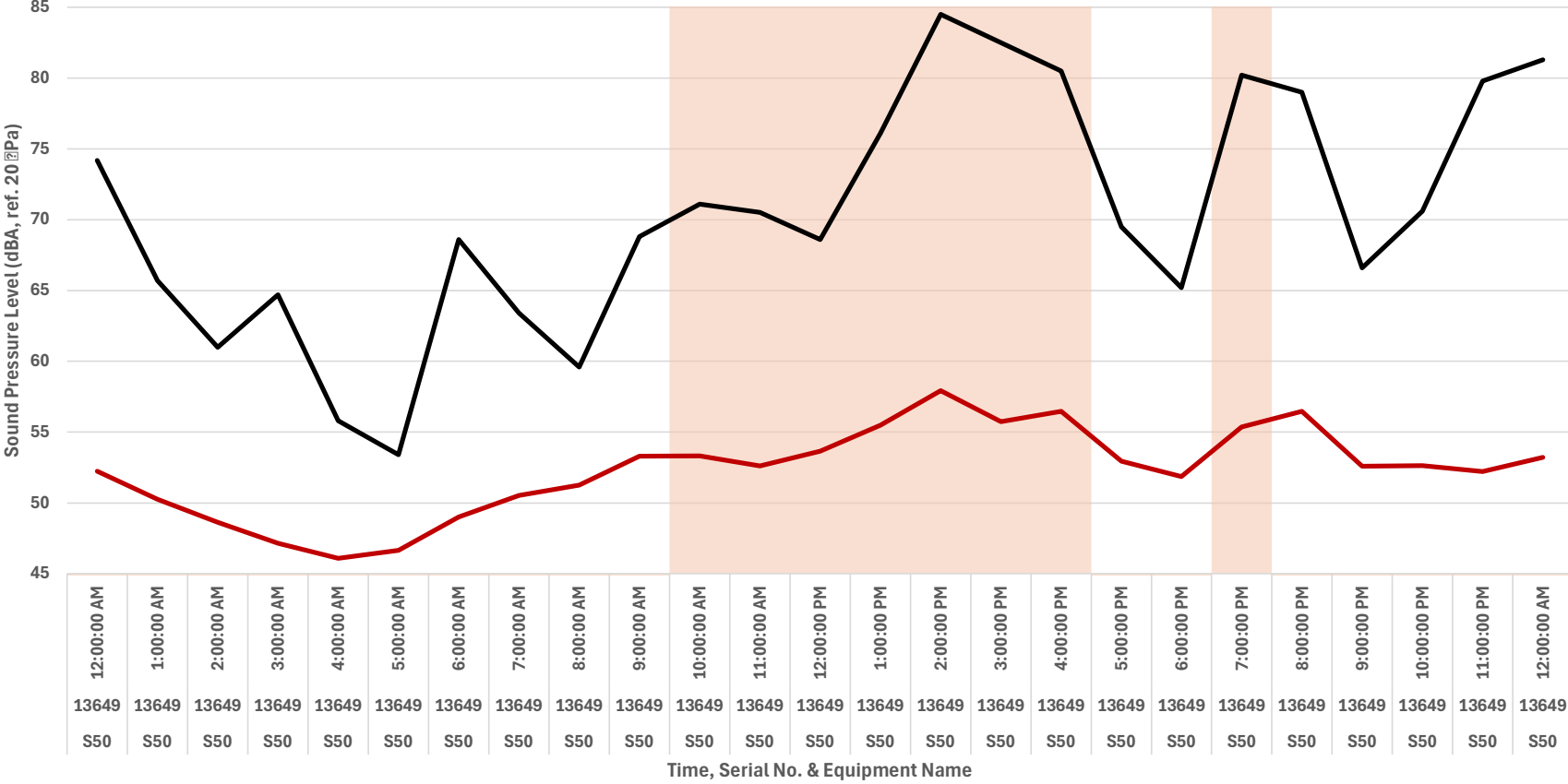


Data Not Valid (Adverse Weather)
 Leq(1-Hour)
 Lmax

Leq (1-hour) Noise Monitoring Results at Sensor C (May 3, 2024)

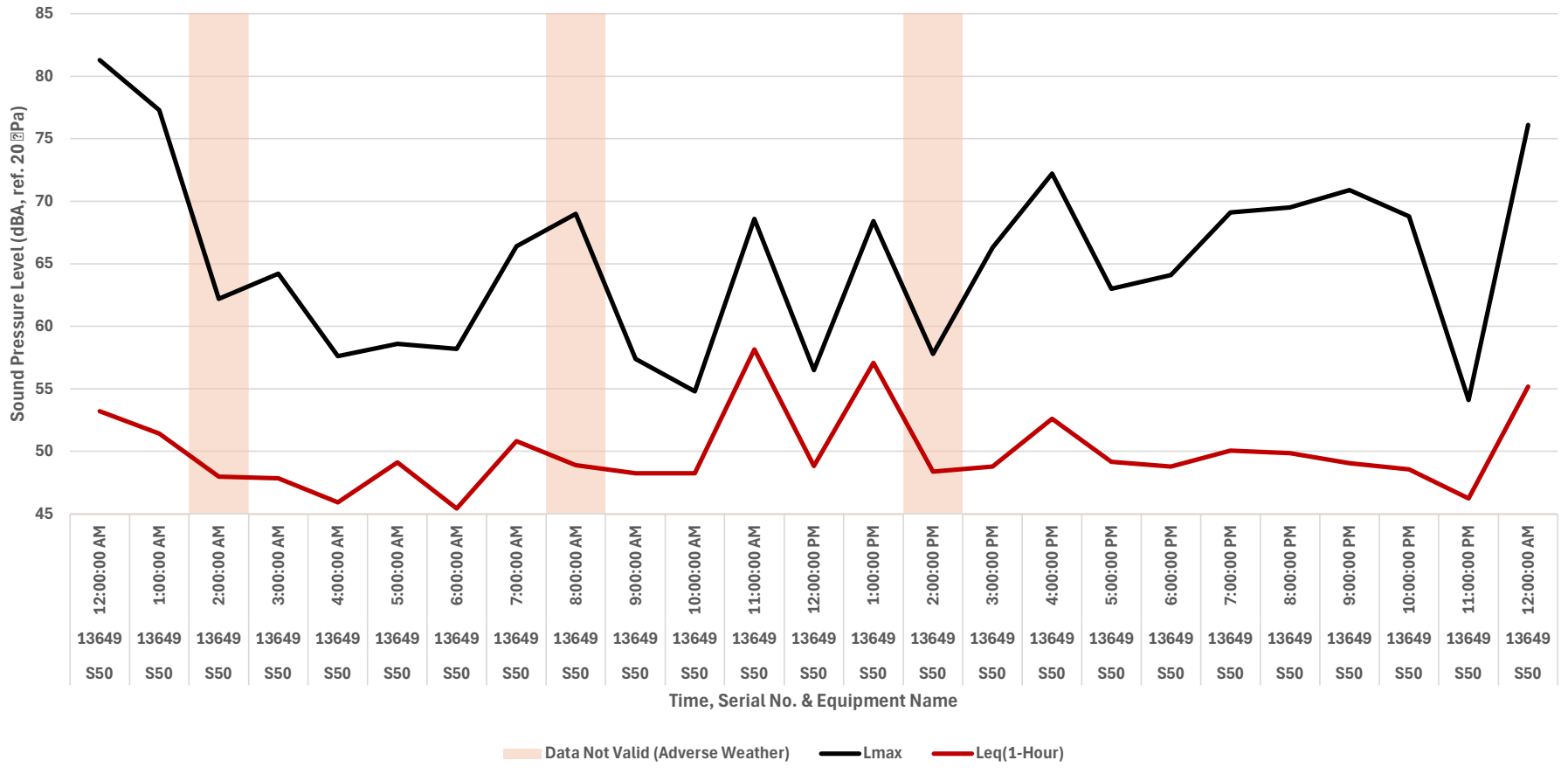


Leq (1-hour) Noise Monitoring Results at Sensor C (May 4, 2024)

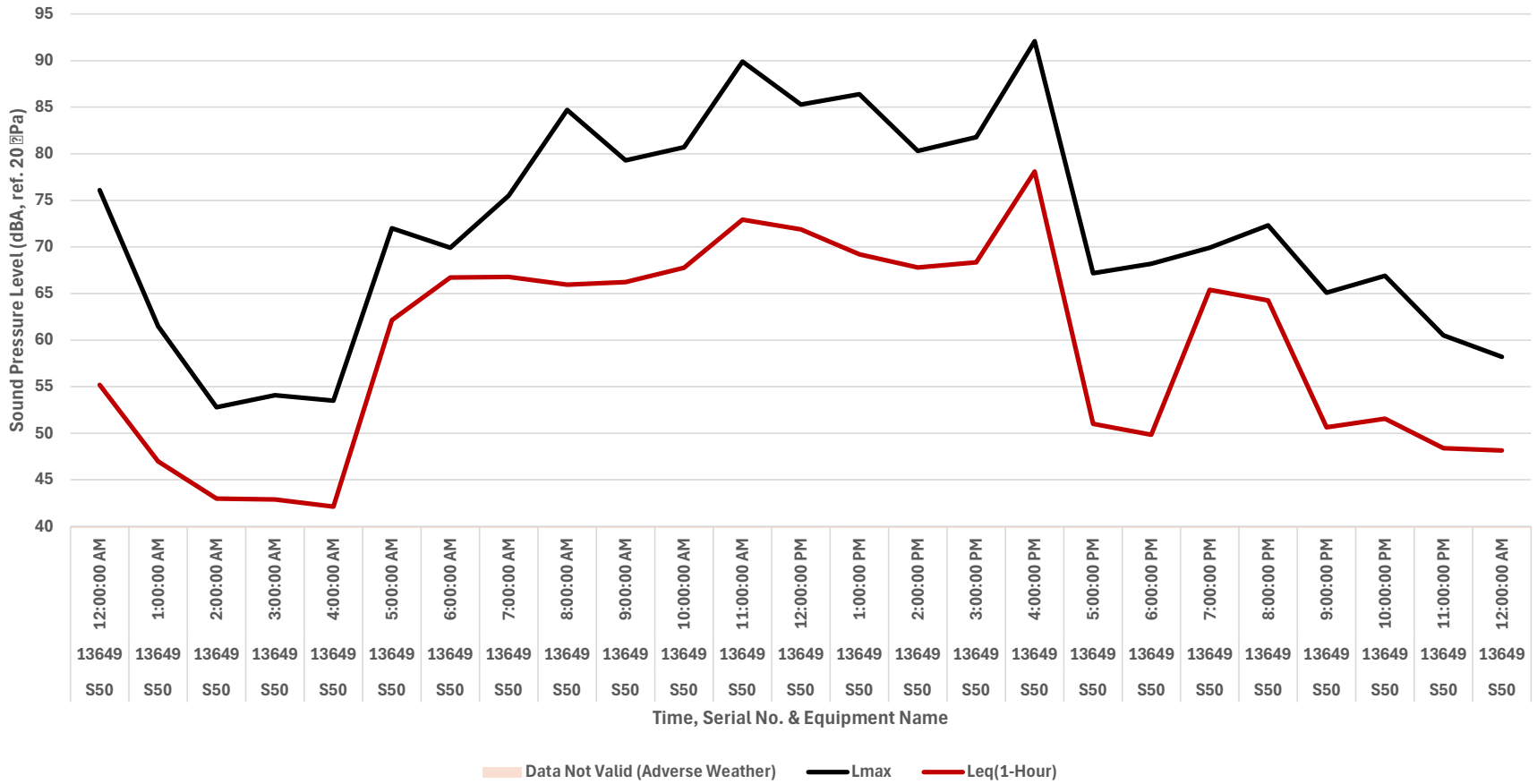


Legend: Data Not Valid (Adverse Weather) | Lmax | Leq(1-Hour)

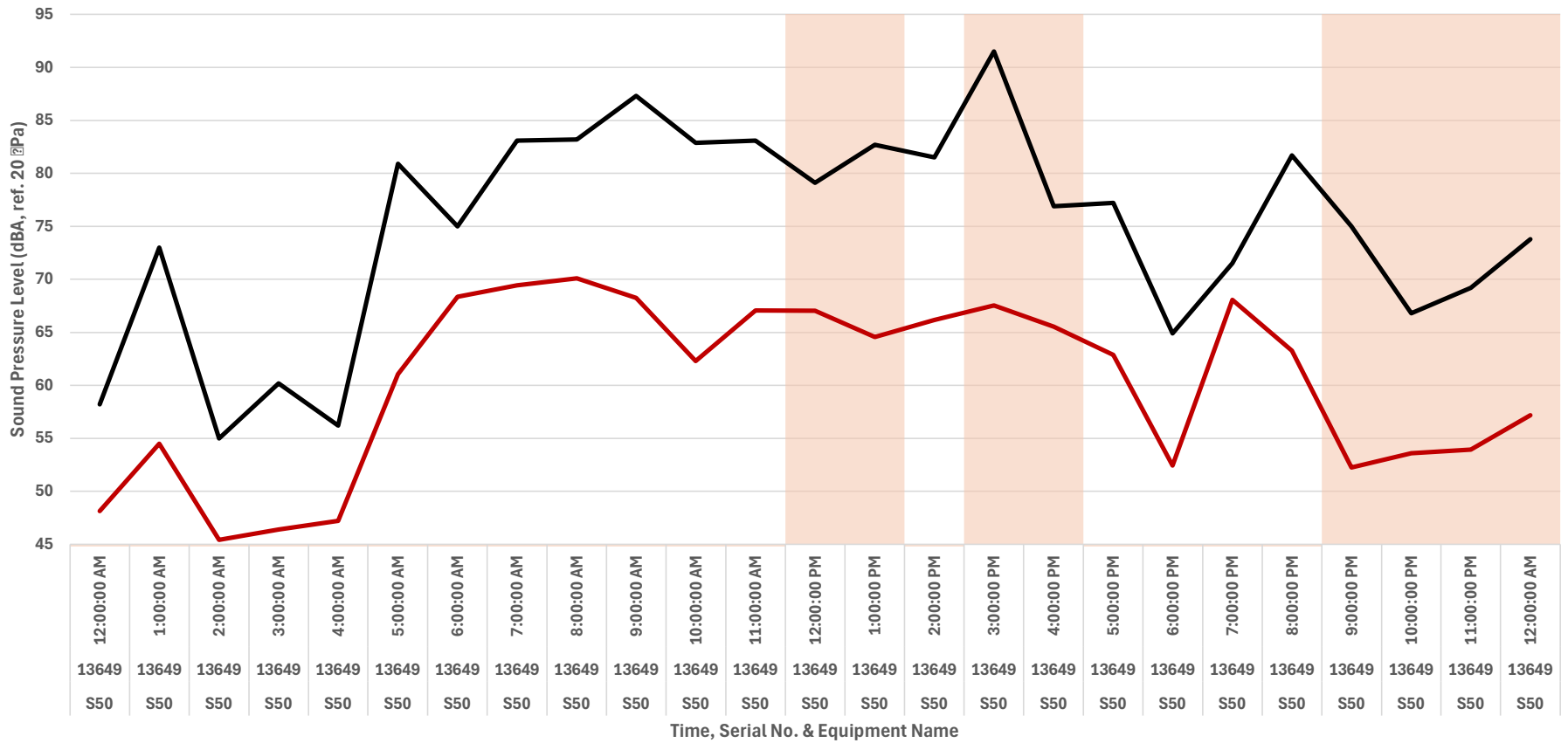
Leq (1-hour) Noise Monitoring Results at Sensor C (May 5, 2024)



Leq (1-hour) Noise Monitoring Results at Sensor C (May 6, 2024)

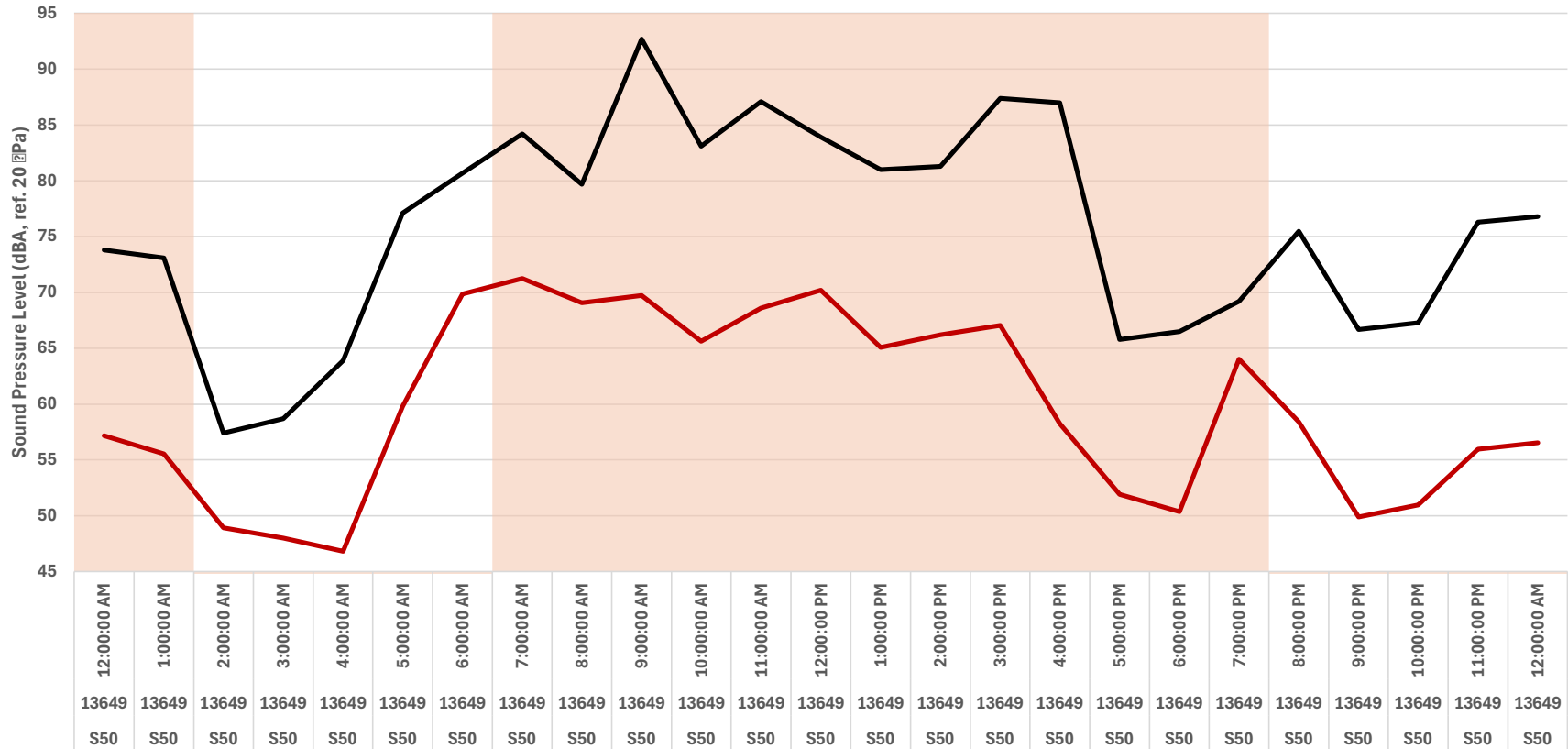


Leq (1-hour) Noise Monitoring Results at Sensor C (May 7, 2024)



Data Not Valid (Adverse Weather)
 Lmax
 Leq(1-Hour)

Leq (1-hour) Noise Monitoring Results at Sensor C (May 8, 2024)

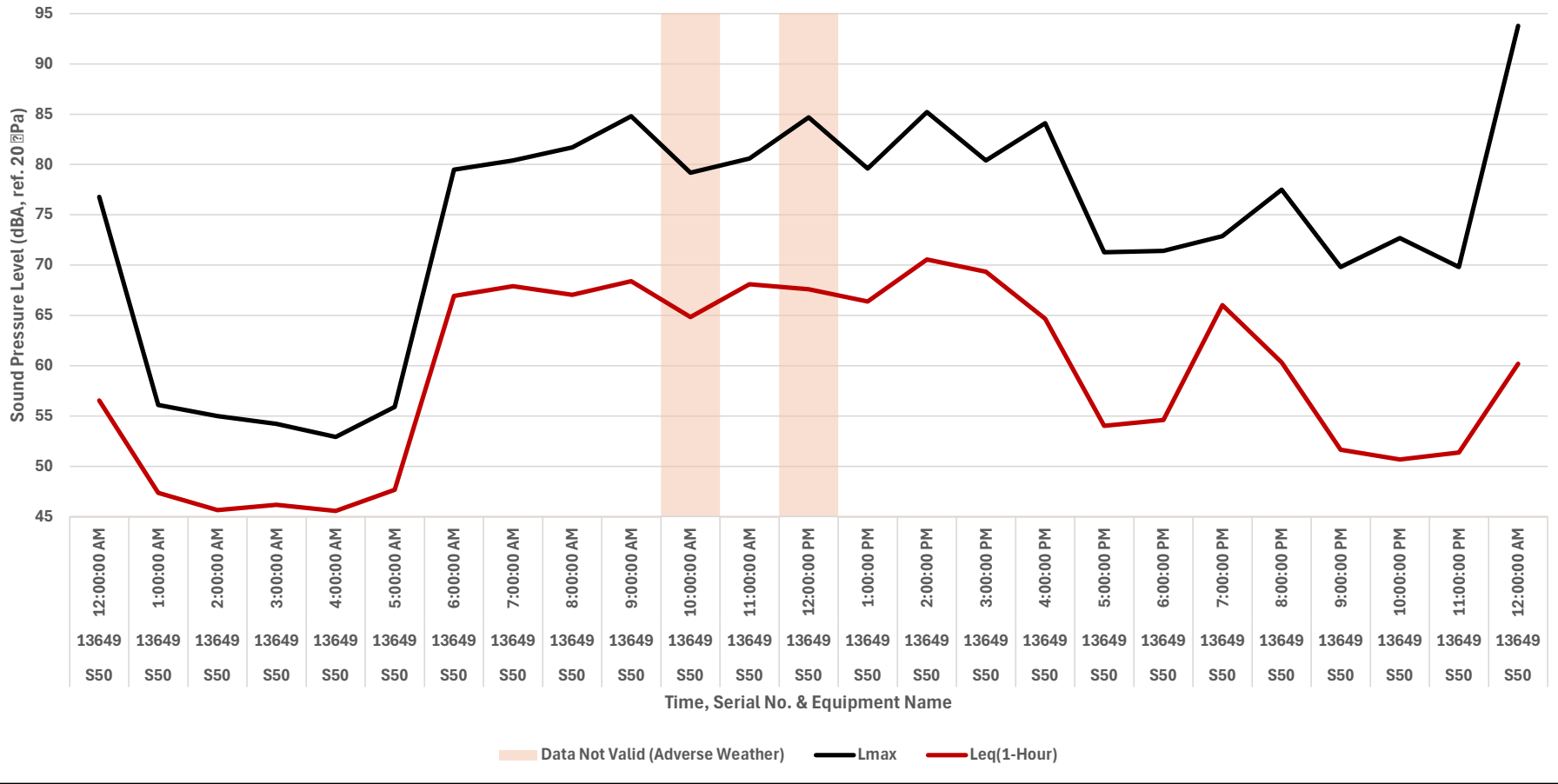


Data Not Valid (Adverse Weather)

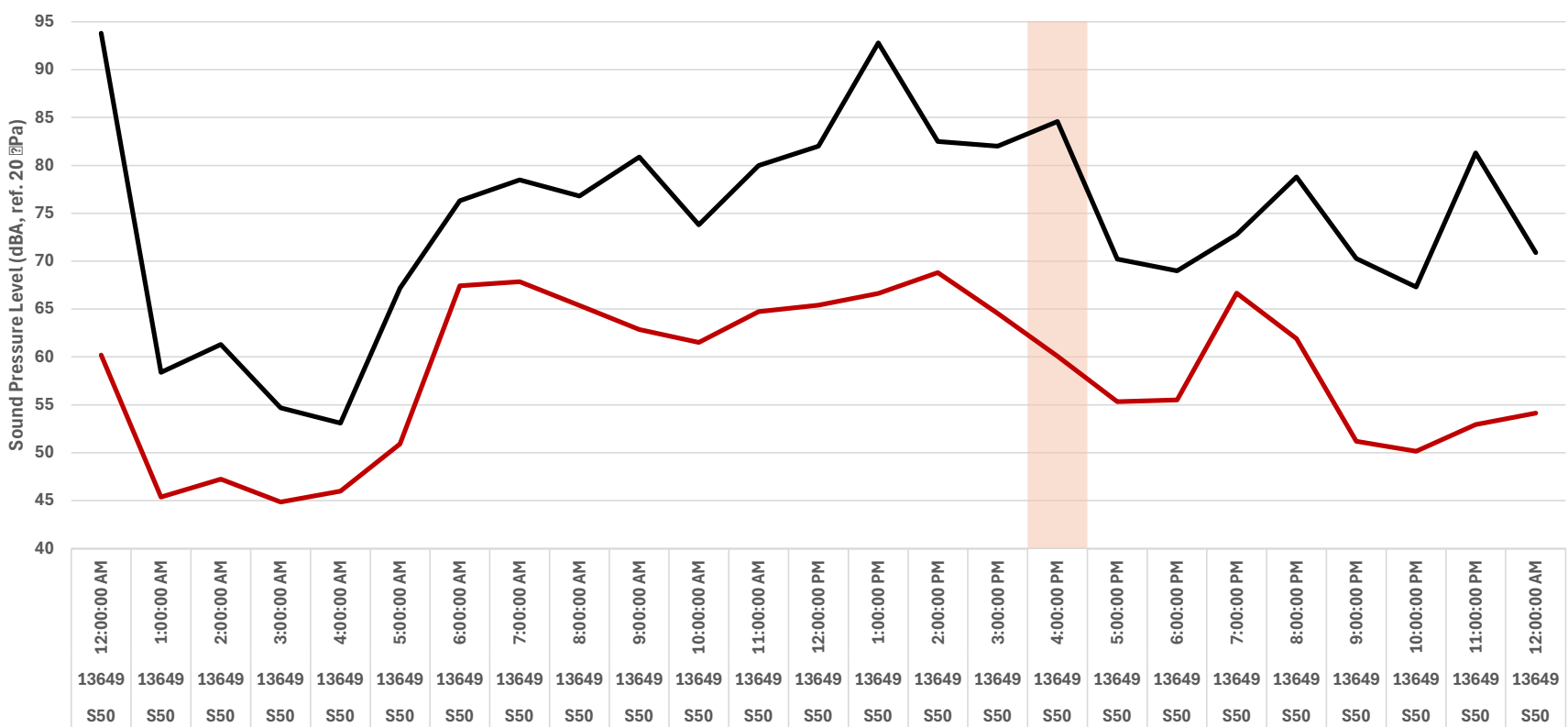
 Lmax

 Leq(1-Hour)

Leq (1-hour) Noise Monitoring Results at Sensor C (May 9, 2024)

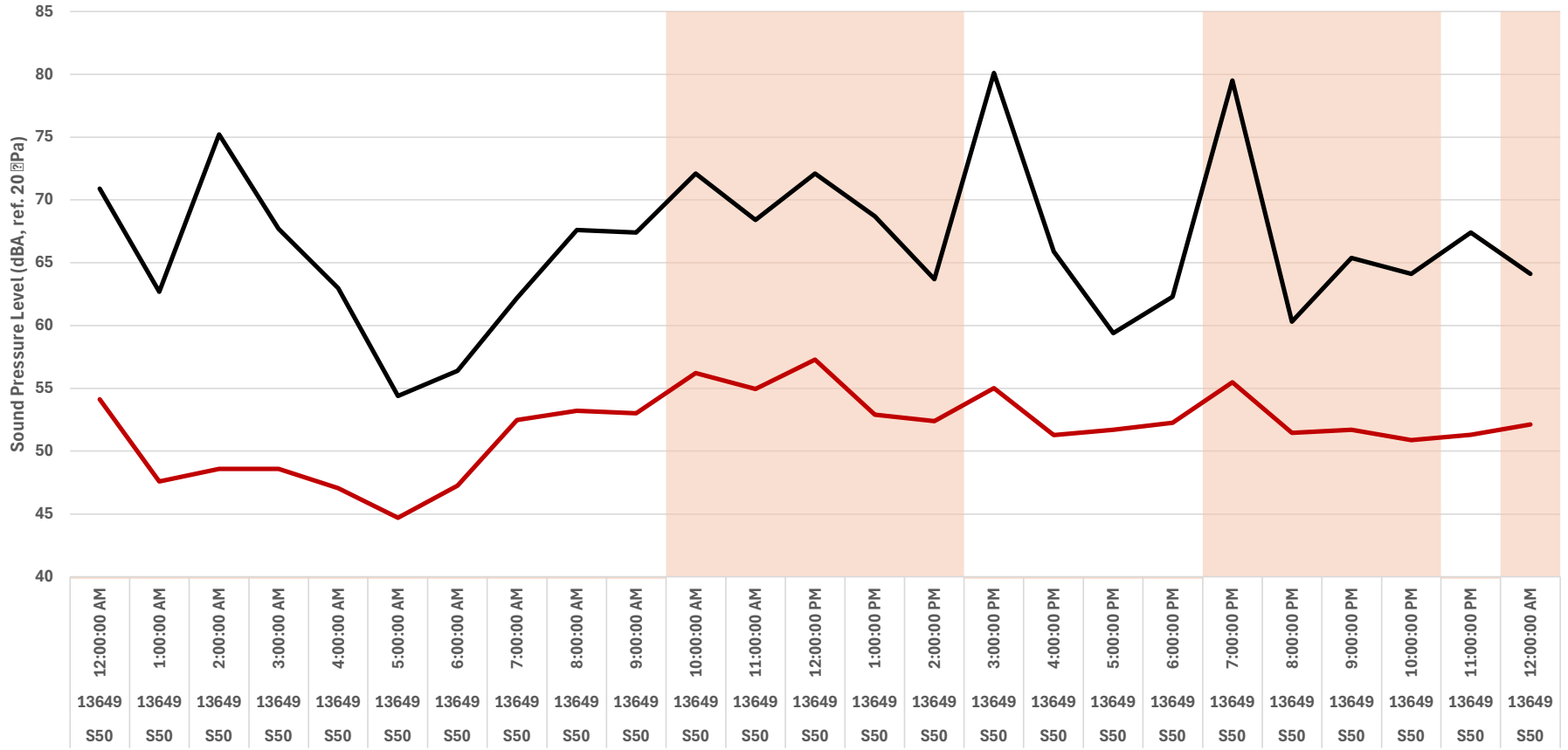


Leq (1-hour) Noise Monitoring Results at Sensor C (May 10, 2024)



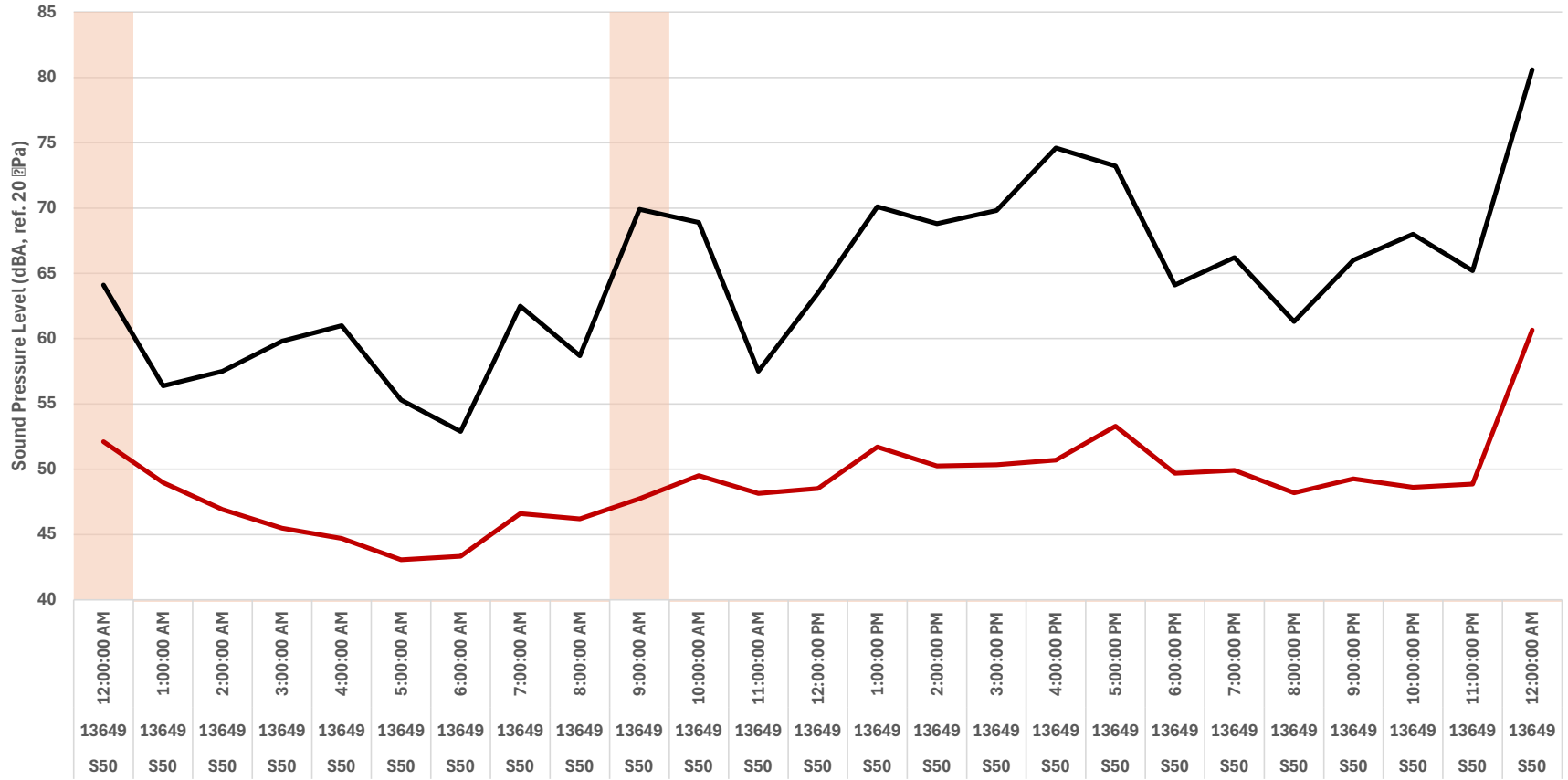
Data Not Valid (Adverse Weather)
 Lmax
 Leq(1-Hour)

Leq (1-hour) Noise Monitoring Results at Sensor C (May 11, 2024)



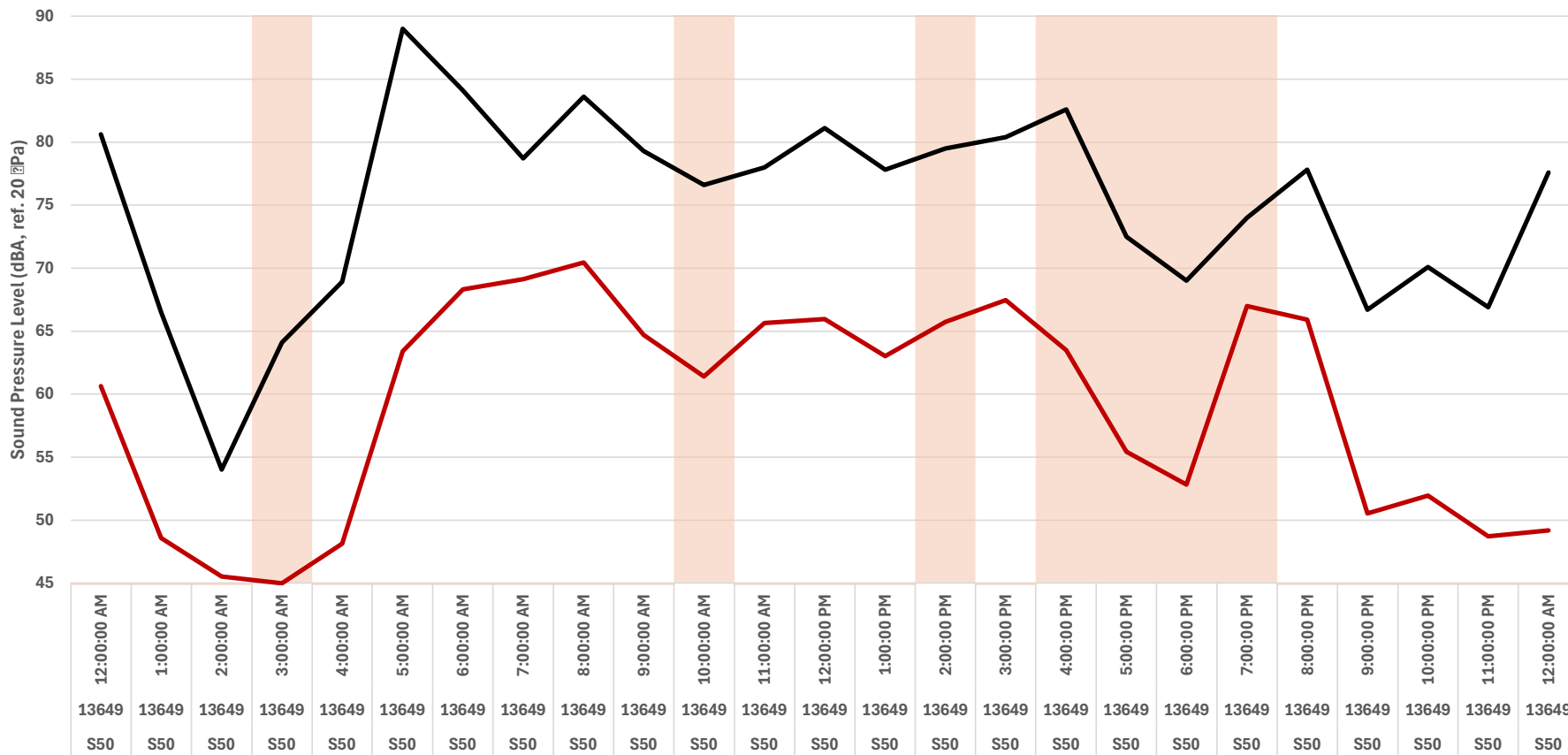
Data Not Valid (Adverse Weather)
 Lmax
 Leq(1-Hour)

Leq (1-hour) Noise Monitoring Results at Sensor C (May 12, 2024)



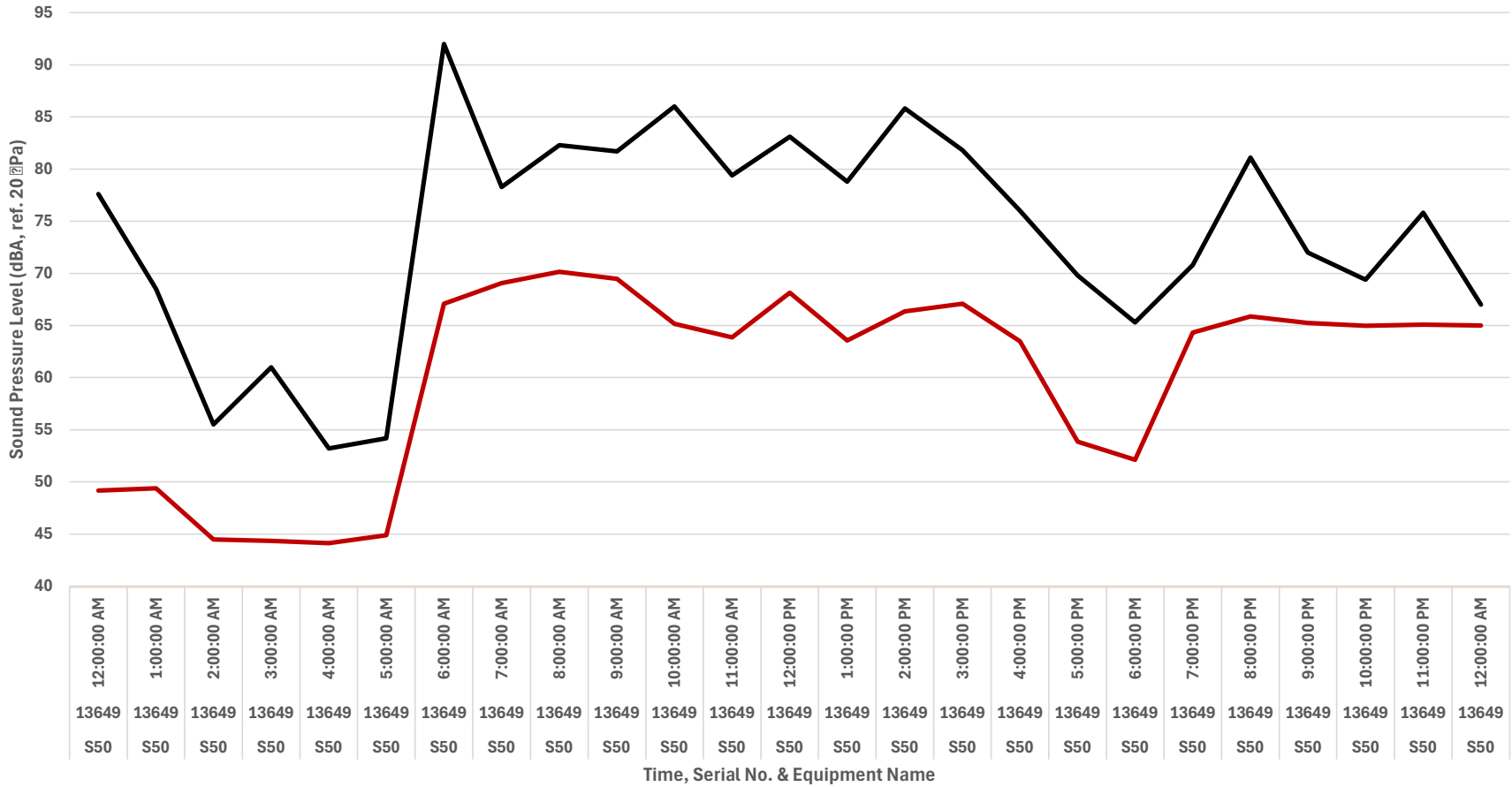
Data Not Valid (Adverse Weather)
 Lmax
 Leq(1-Hour)

Leq (1-hour) Noise Monitoring Results at Sensor C (May 13, 2024)



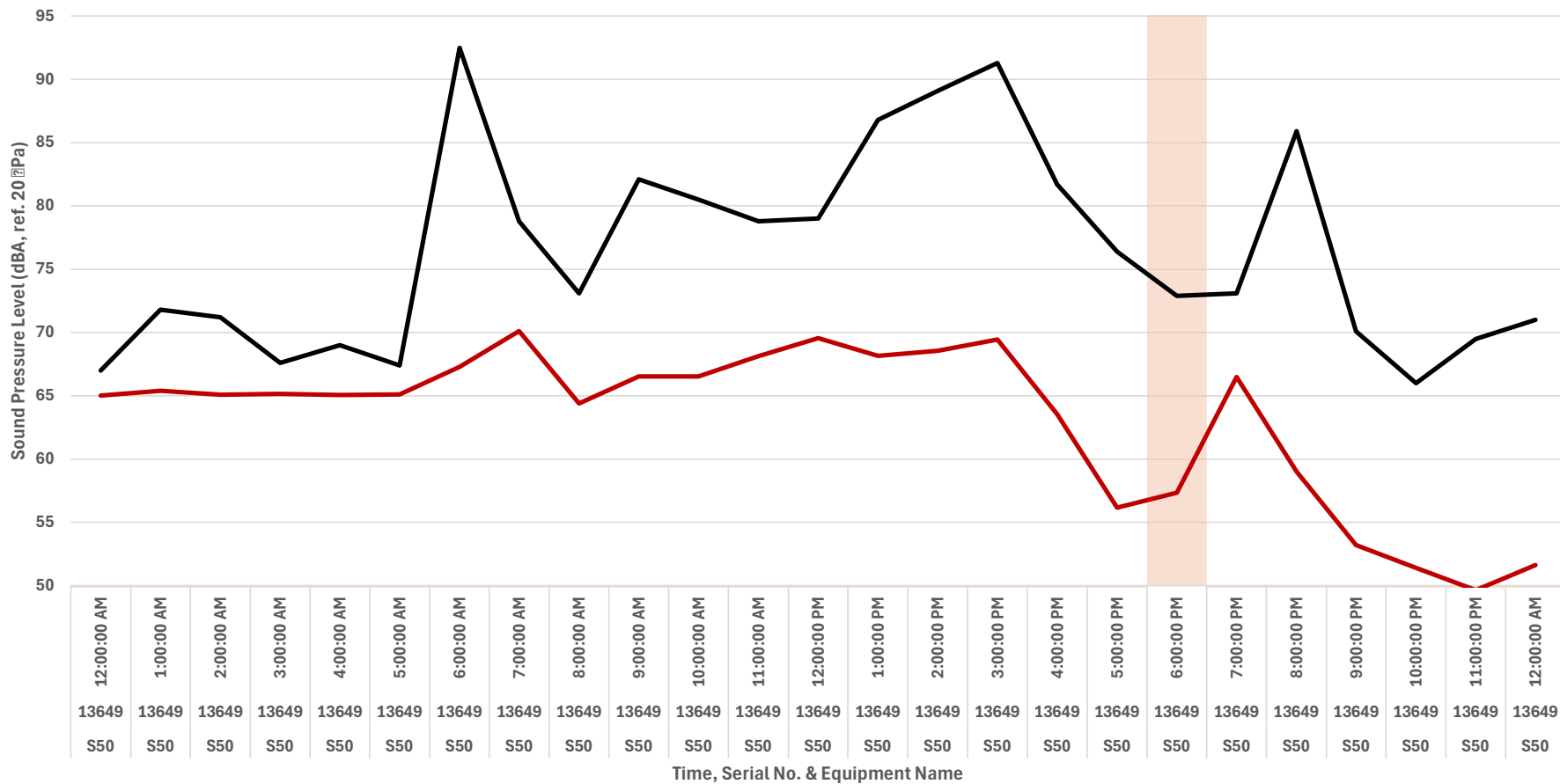
Data Not Valid (Adverse Weather)
 Lmax
 Leq(1-Hour)

Leq (1-hour) Noise Monitoring Results at Sensor C (May 14, 2024)



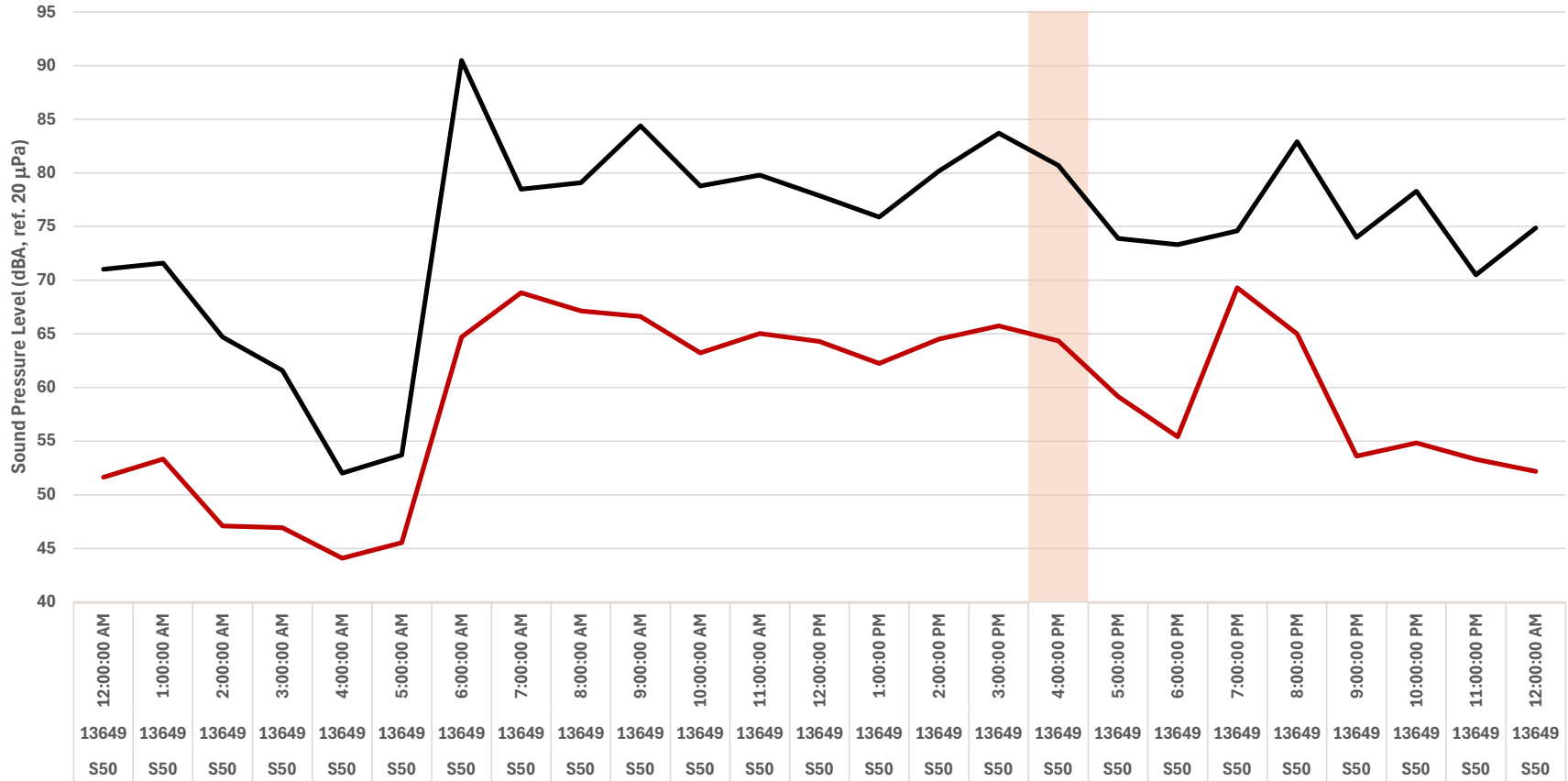
Legend: Data Not Valid (Adverse Weather) | Lmax | Leq(1-Hour)

Leq (1-hour) Noise Monitoring Results at Sensor C (May 15, 2024)



Data Not Valid (Adverse Weather)
 Lmax
 Leq(1-Hour)

Leq (1-hour) Noise Monitoring Results at Sensor C (May 16, 2024)



Legend: ■ Data Not Valid (Adverse Weather) — Lmax — Leq(1-Hour)

Leq (1-hour) Noise Monitoring Results at Sensor C (May 17, 2024)



Appendix D

Tabular Data Record



Table D-1 Noise Level and Weather Data Measured for Sensor A

| Sensor Type | Serial No. | Date/Time MM/DD/YYYY HH:MM | L _{max} (dBA) | L _{eq(1-Hour)} (dBA) | 1-hour Average Air Temperature (°C) | 1-hour Average Wind Speed (km/h) | 1-hour Cumulative Precipitation (mm) | Comments |
|------------------------------|------------|----------------------------------|------------------------|-------------------------------|-------------------------------------|----------------------------------|--------------------------------------|----------------------------------|
| Friday, May 3, 2024 | | | | | | | | |
| S50 | 14603 | 5/3/2024 0:00 | | | 9.9 | 4 | 0 | |
| S50 | 14603 | 5/3/2024 1:00 | 81.50 | 51.80 | 7.8 | 5 | 0 | |
| S50 | 14603 | 5/3/2024 2:00 | 61.70 | 47.30 | 8.3 | 8 | 0 | |
| S50 | 14603 | 5/3/2024 3:00 | 62.00 | 45.00 | 9.3 | 13 | 0 | |
| S50 | 14603 | 5/3/2024 4:00 | 65.10 | 46.30 | 8.9 | 8 | 0 | |
| S50 | 14603 | 5/3/2024 5:00 | 74.20 | 52.30 | 8.6 | 5 | 0 | |
| S50 | 14603 | 5/3/2024 6:00 | 71.40 | 53.10 | 10.2 | 4 | 0 | |
| S50 | 14603 | 5/3/2024 7:00 | 73.60 | 57.00 | 12.4 | 4 | 0 | |
| S50 | 14603 | 5/3/2024 8:00 | 85.20 | 66.20 | 12.5 | 17 | 0 | Offloading Noise (1 Sec) |
| S50 | 14603 | 5/3/2024 9:00 | 80.70 | 63.30 | 13.9 | 9 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/3/2024 10:00 | 88.40 | 64.70 | 12.9 | 9 | 1.2 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/3/2024 11:00 | 85.80 | 65.07 | 13.1 | 17 | 1.5 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/3/2024 12:00 | 81.20 | 62.24 | 12.5 | 4 | 2.5 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/3/2024 13:00 | 73.20 | 61.77 | 13.1 | 17 | 1 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/3/2024 14:00 | 77.60 | 61.60 | 14.6 | 17 | 0 | |
| S50 | 14603 | 5/3/2024 15:00 | 95.40 | 65.25 | 14 | 9 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/3/2024 16:00 | 72.40 | 58.44 | 13.1 | 13 | 0.8 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/3/2024 17:00 | 80.40 | 60.24 | 12.6 | 11 | 0 | |
| S50 | 14603 | 5/3/2024 18:00 | 75.20 | 59.55 | 12.8 | 0 | 0.5 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/3/2024 19:00 | 69.40 | 57.69 | 12.4 | 8 | 0 | |
| S50 | 14603 | 5/3/2024 20:00 | 69.00 | 56.78 | 12.4 | 5 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/3/2024 21:00 | 65.40 | 54.04 | 12.2 | 4 | 0 | |
| S50 | 14603 | 5/3/2024 22:00 | 68.90 | 52.99 | 12 | 0 | 0 | |
| S50 | 14603 | 5/3/2024 23:00 | 77.30 | 54.64 | 11.2 | 8 | 0 | |
| Saturday, May 4, 2024 | | | | | | | | |
| S50 | 14603 | 5/4/2024 0:00 | 73.00 | 51.60 | 10.6 | 5 | 0 | |
| S50 | 14603 | 5/4/2024 1:00 | 64.30 | 49.06 | 10.8 | 11 | 0 | |
| S50 | 14603 | 5/4/2024 2:00 | 63.10 | 46.75 | 11.7 | 8 | 0 | |
| S50 | 14603 | 5/4/2024 3:00 | 62.80 | 46.65 | 10.4 | 5 | 0 | |
| S50 | 14603 | 5/4/2024 4:00 | 59.20 | 45.12 | 10.2 | 9 | 0 | |
| S50 | 14603 | 5/4/2024 5:00 | 58.10 | 45.44 | 11.6 | 8 | 0 | |
| S50 | 14603 | 5/4/2024 6:00 | 61.90 | 47.17 | 11.8 | 8 | 0 | |
| S50 | 14603 | 5/4/2024 7:00 | 64.70 | 51.17 | 13.3 | 13 | 0 | |
| S50 | 14603 | 5/4/2024 8:00 | 69.20 | 51.62 | 15.4 | 17 | 0 | |
| S50 | 14603 | 5/4/2024 9:00 | 66.40 | 53.02 | 17.6 | 17 | 0 | |
| S50 | 14603 | 5/4/2024 10:00 | 65.30 | 54.71 | 18.9 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/4/2024 11:00 | 73.90 | 55.33 | 19.5 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/4/2024 12:00 | 78.20 | 56.49 | 21.2 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/4/2024 13:00 | 83.00 | 58.25 | 20.6 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/4/2024 14:00 | 77.40 | 57.62 | 19.3 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/4/2024 15:00 | 84.00 | 57.77 | 20.6 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/4/2024 16:00 | 76.20 | 56.00 | 20.4 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/4/2024 17:00 | 70.40 | 55.43 | 20.1 | 17 | 0 | |
| S50 | 14603 | 5/4/2024 18:00 | 86.30 | 59.30 | 18 | 18 | 0 | Noise from a Pedestrian vehicle |
| S50 | 14603 | 5/4/2024 19:00 | 69.60 | 55.46 | 17 | 24 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/4/2024 20:00 | 75.70 | 55.45 | 15.7 | 17 | 0 | |
| S50 | 14603 | 5/4/2024 21:00 | 73.50 | 54.66 | 14.5 | 15 | 0 | |
| S50 | 14603 | 5/4/2024 22:00 | 79.30 | 54.59 | 14 | 17 | 0 | |
| S50 | 14603 | 5/4/2024 23:00 | 65.70 | 51.21 | 13.1 | 15 | 0 | |
| Sunday, May 5, 2024 | | | | | | | | |
| S50 | 14603 | 5/5/2024 0:00 | 67.30 | 53.30 | 13.2 | 15 | 0 | |
| S50 | 14603 | 5/5/2024 1:00 | 85.90 | 55.29 | 12.9 | 15 | 0 | Noise from a Pedestrian vehicle |
| S50 | 14603 | 5/5/2024 2:00 | 61.40 | 48.43 | 12.1 | 13 | 0.5 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/5/2024 3:00 | 62.60 | 49.09 | 11.5 | 13 | 0 | |
| S50 | 14603 | 5/5/2024 4:00 | 62.40 | 46.86 | 11.4 | 11 | 0 | |
| S50 | 14603 | 5/5/2024 5:00 | 69.60 | 48.25 | 11.4 | 13 | 0 | |
| S50 | 14603 | 5/5/2024 6:00 | 64.10 | 47.12 | 11.4 | 9 | 0 | |
| S50 | 14603 | 5/5/2024 7:00 | 73.60 | 55.53 | 11.7 | 9 | 0 | |
| S50 | 14603 | 5/5/2024 8:00 | 88.70 | 59.12 | 12.3 | 11 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/5/2024 9:00 | 68.70 | 53.02 | 13.2 | 8 | 0 | |
| S50 | 14603 | 5/5/2024 10:00 | 66.90 | 53.74 | 14.1 | 15 | 0 | |
| S50 | 14603 | 5/5/2024 11:00 | 71.10 | 54.64 | 15.9 | 11 | 0 | |
| S50 | 14603 | 5/5/2024 12:00 | 67.30 | 54.38 | 17.3 | 13 | 0 | |
| S50 | 14603 | 5/5/2024 13:00 | 71.20 | 55.15 | 18.2 | 13 | 0 | |
| S50 | 14603 | 5/5/2024 14:00 | 74.60 | 54.85 | 17.6 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/5/2024 15:00 | 70.10 | 54.58 | 17.2 | 15 | 0 | |
| S50 | 14603 | 5/5/2024 16:00 | 67.70 | 55.04 | 15.5 | 15 | 0 | |
| S50 | 14603 | 5/5/2024 17:00 | 68.90 | 56.92 | 15.6 | 11 | 0 | |
| S50 | 14603 | 5/5/2024 18:00 | 78.90 | 55.17 | 16.2 | 13 | 0 | |
| S50 | 14603 | 5/5/2024 19:00 | 74.00 | 54.00 | 14.6 | 11 | 0 | |
| S50 | 14603 | 5/5/2024 20:00 | 78.40 | 55.77 | 12.4 | 9 | 0 | |
| S50 | 14603 | 5/5/2024 21:00 | 69.10 | 52.93 | 11 | 11 | 0 | |
| S50 | 14603 | 5/5/2024 22:00 | 74.00 | 53.52 | 9.7 | 9 | 0 | |
| S50 | 14603 | 5/5/2024 23:00 | 75.80 | 51.47 | 9.5 | 8 | 0 | |

Table D-1 Noise Level and Weather Data Measured for Sensor A

| Sensor Type | Serial No. | Date/Time MM/DD/YYYY HH:MM | L _{max} (dBA) | L _{eq(1-Hour)} (dBA) | 1-hour Average Air Temperature (°C) | 1-hour Average Wind Speed (km/h) | 1-hour Cumulative Precipitation (mm) | Comments |
|-------------------------------|------------|----------------------------------|------------------------|-------------------------------|-------------------------------------|----------------------------------|--------------------------------------|---|
| Monday, May 6, 2024 | | | | | | | | |
| S50 | 14603 | 5/6/2024 0:00 | 70.40 | 52.30 | 7.2 | 9 | 0 | |
| S50 | 14603 | 5/6/2024 1:00 | 60.70 | 49.18 | 7.2 | 9 | 0 | |
| S50 | 14603 | 5/6/2024 2:00 | 57.80 | 46.11 | 7.2 | 11 | 0 | |
| S50 | 14603 | 5/6/2024 3:00 | 74.90 | 50.01 | 7.2 | 8 | 0 | |
| S50 | 14603 | 5/6/2024 4:00 | 58.80 | 45.97 | 6.5 | 9 | 0 | |
| S50 | 14603 | 5/6/2024 5:00 | 60.40 | 48.76 | 6.3 | 5 | 0 | |
| S50 | 14603 | 5/6/2024 6:00 | 71.70 | 54.12 | 6.2 | 4 | 0 | |
| S50 | 14603 | 5/6/2024 7:00 | 79.80 | 60.85 | 9.3 | 11 | 0 | |
| S50 | 14603 | 5/6/2024 8:00 | 80.30 | 63.98 | 11 | 8 | 0 | |
| S50 | 14603 | 5/6/2024 9:00 | 81.70 | 63.64 | 12.6 | 9 | 0 | |
| S50 | 14603 | 5/6/2024 10:00 | 81.70 | 68.79 | 14.5 | 4 | 0 | |
| S50 | 14603 | 5/6/2024 11:00 | 86.40 | 68.52 | 16 | 17 | 0 | Cutting noise - Quick Cut: rebar/concrete (0.5 sec) |
| S50 | 14603 | 5/6/2024 12:00 | 81.00 | 63.91 | 17.1 | 11 | 0 | |
| S50 | 14603 | 5/6/2024 13:00 | 81.30 | 63.74 | 17.6 | 9 | 0 | Hammering noise - Concrete Chipping (0.5 Sec) |
| S50 | 14603 | 5/6/2024 14:00 | 84.20 | 64.24 | 18.3 | 8 | 0 | |
| S50 | 14603 | 5/6/2024 15:00 | 88.40 | 64.01 | 18.4 | 11 | 0 | |
| S50 | 14603 | 5/6/2024 16:00 | 75.60 | 60.29 | 18.1 | 9 | 0 | |
| S50 | 14603 | 5/6/2024 17:00 | 81.80 | 57.91 | 17.9 | 9 | 0 | |
| S50 | 14603 | 5/6/2024 18:00 | 78.30 | 57.50 | 17.6 | 13 | 0 | |
| S50 | 14603 | 5/6/2024 19:00 | 82.80 | 58.44 | 16.2 | 9 | 0 | |
| S50 | 14603 | 5/6/2024 20:00 | 85.60 | 60.65 | 12.5 | 5 | 0 | Noise from a Pedestrian vehicle |
| S50 | 14603 | 5/6/2024 21:00 | 66.30 | 53.45 | 9.7 | 0 | 0 | |
| S50 | 14603 | 5/6/2024 22:00 | 80.70 | 54.15 | 7.9 | 5 | 0 | |
| S50 | 14603 | 5/6/2024 23:00 | 71.60 | 52.15 | 6.2 | 5 | 0 | |
| Tuesday, May 7, 2024 | | | | | | | | |
| S50 | 14603 | 5/7/2024 0:00 | 73.40 | 50.16 | 5.1 | 0 | 0 | |
| S50 | 14603 | 5/7/2024 1:00 | 69.60 | 50.92 | 5.3 | 0 | 0 | |
| S50 | 14603 | 5/7/2024 2:00 | 66.20 | 45.91 | 4.6 | 5 | 0 | |
| S50 | 14603 | 5/7/2024 3:00 | 63.80 | 45.64 | 3.4 | 4 | 0 | |
| S50 | 14603 | 5/7/2024 4:00 | 61.30 | 45.53 | 4 | 8 | 0 | |
| S50 | 14603 | 5/7/2024 5:00 | 74.80 | 51.41 | 3.1 | 8 | 0 | |
| S50 | 14603 | 5/7/2024 6:00 | 74.60 | 54.30 | 3.4 | 5 | 0 | |
| S50 | 14603 | 5/7/2024 7:00 | 70.90 | 58.61 | 9.1 | 0 | 0 | |
| S50 | 14603 | 5/7/2024 8:00 | 80.30 | 64.03 | 13.1 | 9 | 0 | |
| S50 | 14603 | 5/7/2024 9:00 | 85.40 | 66.22 | 16.5 | 17 | 0 | Grinding noise |
| S50 | 14603 | 5/7/2024 10:00 | 86.70 | 61.44 | 18.2 | 13 | 0 | Unloading noise (1 Sec) |
| S50 | 14603 | 5/7/2024 11:00 | 86.40 | 64.01 | 19 | 11 | 0 | Unloading noises (2 Sec) |
| S50 | 14603 | 5/7/2024 12:00 | 79.30 | 64.42 | 19.6 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/7/2024 13:00 | 81.70 | 64.37 | 20.5 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/7/2024 14:00 | 83.80 | 65.93 | 20.2 | 18 | 0 | |
| S50 | 14603 | 5/7/2024 15:00 | 83.50 | 67.04 | 20.3 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/7/2024 16:00 | 86.50 | 63.62 | 19.7 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/7/2024 17:00 | 79.80 | 60.40 | 18.5 | 13 | 0 | |
| S50 | 14603 | 5/7/2024 18:00 | 75.40 | 57.59 | 17.3 | 15 | 0 | |
| S50 | 14603 | 5/7/2024 19:00 | 79.10 | 57.80 | 16 | 13 | 0 | |
| S50 | 14603 | 5/7/2024 20:00 | 78.40 | 56.35 | 15.1 | 15 | 0 | |
| S50 | 14603 | 5/7/2024 21:00 | 85.70 | 58.71 | 11.6 | 15 | 4.1 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/7/2024 22:00 | 81.50 | 57.63 | 10.4 | 9 | 12.2 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/7/2024 23:00 | 71.80 | 55.39 | 9.9 | 9 | 3.2 | Adverse Weather (Data not valid) |
| Wednesday, May 8, 2024 | | | | | | | | |
| S50 | 14603 | 5/8/2024 0:00 | 73.90 | 55.73 | 9.8 | 21 | 7.3 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/8/2024 1:00 | 73.50 | 58.27 | 9.6 | 11 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/8/2024 2:00 | 64.00 | 48.84 | 10.4 | 9 | 0 | |
| S50 | 14603 | 5/8/2024 3:00 | 64.70 | 46.45 | 10.6 | 4 | 0 | |
| S50 | 14603 | 5/8/2024 4:00 | 77.20 | 50.50 | 10.9 | 5 | 0 | |
| S50 | 14603 | 5/8/2024 5:00 | 64.90 | 47.17 | 11.3 | 8 | 0 | |
| S50 | 14603 | 5/8/2024 6:00 | 63.70 | 53.32 | 11.4 | 9 | 0 | |
| S50 | 14603 | 5/8/2024 7:00 | 75.90 | 61.12 | 14.7 | 24 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/8/2024 8:00 | 82.80 | 64.89 | 16.5 | 30 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/8/2024 9:00 | 96.00 | 70.34 | 17.3 | 46 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/8/2024 10:00 | 81.40 | 63.62 | 18.3 | 43 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/8/2024 11:00 | 89.40 | 70.28 | 18.9 | 43 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/8/2024 12:00 | 89.60 | 68.25 | 19.1 | 43 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/8/2024 13:00 | 82.20 | 63.18 | 15.7 | 37 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/8/2024 14:00 | 88.80 | 71.80 | 15.6 | 35 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/8/2024 15:00 | 87.40 | 67.47 | 15.2 | 37 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/8/2024 16:00 | 80.40 | 63.98 | 15.1 | 41 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/8/2024 17:00 | 78.60 | 62.65 | 13.5 | 32 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/8/2024 18:00 | 76.60 | 61.12 | 13.1 | 24 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/8/2024 19:00 | 73.80 | 60.62 | 11.6 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/8/2024 20:00 | 78.70 | 57.50 | 10.5 | 13 | 0 | |
| S50 | 14603 | 5/8/2024 21:00 | 70.10 | 0.00 | 10 | 9 | 0 | |
| S50 | 14603 | 5/8/2024 22:00 | 75.70 | 53.48 | 9.2 | 4 | 0 | |
| S50 | 14603 | 5/8/2024 23:00 | 76.80 | 55.27 | 7.5 | 9 | 0 | |

Table D-1 Noise Level and Weather Data Measured for Sensor A

| Sensor Type | Serial No. | Date/Time MM/DD/YYYY HH:MM | L _{max} (dBA) | L _{eq(1-Hour)} (dBA) | 1-hour Average Air Temperature (°C) | 1-hour Average Wind Speed (km/h) | 1-hour Cumulative Precipitation (mm) | Comments |
|-------------------------------|------------|----------------------------------|------------------------|-------------------------------|-------------------------------------|----------------------------------|--------------------------------------|----------------------------------|
| Thursday, May 9, 2024 | | | | | | | | |
| S50 | 14603 | 5/9/2024 0:00 | 71.30 | 52.52 | 6.9 | 0 | 0 | |
| S50 | 14603 | 5/9/2024 1:00 | 64.70 | 48.08 | 5.9 | 4 | 0 | |
| S50 | 14603 | 5/9/2024 2:00 | 64.40 | 46.59 | 6.8 | 9 | 0 | |
| S50 | 14603 | 5/9/2024 3:00 | 60.20 | 45.77 | 6.8 | 11 | 0 | |
| S50 | 14603 | 5/9/2024 4:00 | 81.50 | 51.89 | 6 | 4 | 0 | |
| S50 | 14603 | 5/9/2024 5:00 | 62.40 | 46.16 | 5.2 | 4 | 0 | |
| S50 | 14603 | 5/9/2024 6:00 | 63.60 | 52.93 | 6.7 | 4 | 0 | |
| S50 | 14603 | 5/9/2024 7:00 | 70.00 | 64.09 | 9.5 | 9 | 0 | |
| S50 | 14603 | 5/9/2024 8:00 | 79.30 | 66.05 | 11.9 | 11 | 0 | |
| S50 | 14603 | 5/9/2024 9:00 | 84.60 | 66.77 | 13.6 | 17 | 0 | |
| S50 | 14603 | 5/9/2024 10:00 | 84.30 | 66.49 | 15.1 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/9/2024 11:00 | 84.80 | 68.41 | 15.4 | 13 | 0 | |
| S50 | 14603 | 5/9/2024 12:00 | 88.90 | 67.93 | 16.3 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/9/2024 13:00 | 79.80 | 65.91 | 15.6 | 11 | 0 | |
| S50 | 14603 | 5/9/2024 14:00 | 86.50 | 68.33 | 15.3 | 11 | 0 | Offloading Noise (0.5 Sec) |
| S50 | 14603 | 5/9/2024 15:00 | 79.80 | 67.44 | 14.2 | 13 | 0 | |
| S50 | 14603 | 5/9/2024 16:00 | 80.00 | 65.19 | 13.8 | 13 | 0 | |
| S50 | 14603 | 5/9/2024 17:00 | 77.00 | 64.28 | 13.3 | 13 | 0 | |
| S50 | 14603 | 5/9/2024 18:00 | 78.30 | 64.39 | 12.1 | 9 | 0 | |
| S50 | 14603 | 5/9/2024 19:00 | 80.90 | 64.78 | 11 | 5 | 0 | |
| S50 | 14603 | 5/9/2024 20:00 | 75.80 | 64.18 | 11.1 | 5 | 0 | |
| S50 | 14603 | 5/9/2024 21:00 | 68.70 | 63.66 | 10.7 | 5 | 0 | |
| S50 | 14603 | 5/9/2024 22:00 | 72.90 | 63.49 | 9.1 | 5 | 0 | |
| S50 | 14603 | 5/9/2024 23:00 | 70.60 | 63.43 | 9.2 | 4 | 0 | |
| Friday, May 10, 2024 | | | | | | | | |
| S50 | 14603 | 5/10/2024 0:00 | 74.30 | 63.44 | 9.6 | 8 | 0 | |
| S50 | 14603 | 5/10/2024 1:00 | 76.50 | 63.35 | 8.9 | 8 | 0 | |
| S50 | 14603 | 5/10/2024 2:00 | 66.40 | 63.03 | 8.7 | 11 | 0 | |
| S50 | 14603 | 5/10/2024 3:00 | 69.40 | 63.03 | 8.1 | 5 | 0 | |
| S50 | 14603 | 5/10/2024 4:00 | 80.70 | 63.28 | 5.6 | 5 | 0 | |
| S50 | 14603 | 5/10/2024 5:00 | 65.00 | 63.20 | 4.4 | 4 | 0 | |
| S50 | 14603 | 5/10/2024 6:00 | 68.40 | 63.60 | 7.4 | 4 | 0 | |
| S50 | 14603 | 5/10/2024 7:00 | 74.00 | 65.03 | 9.1 | 8 | 0 | |
| S50 | 14603 | 5/10/2024 8:00 | 86.70 | 66.17 | 10 | 5 | 0 | Hammering Noise (0.5 Sec) |
| S50 | 14603 | 5/10/2024 9:00 | 81.40 | 66.76 | 11.3 | 4 | 0 | |
| S50 | 14603 | 5/10/2024 10:00 | 88.90 | 66.56 | 12.5 | 11 | 0 | Hammering Noise (0.5 Sec) |
| S50 | 14603 | 5/10/2024 11:00 | 85.00 | 69.35 | 13.7 | 13 | 0 | Hammering Noise (0.5 Sec) |
| S50 | 14603 | 5/10/2024 12:00 | 83.00 | 66.74 | 15.4 | 4 | 0 | |
| S50 | 14603 | 5/10/2024 13:00 | 82.00 | 64.32 | 14.3 | 9 | 0 | |
| S50 | 14603 | 5/10/2024 14:00 | 82.40 | 66.53 | 14.3 | 11 | 0 | |
| S50 | 14603 | 5/10/2024 15:00 | 81.00 | 65.73 | 15.3 | 9 | 0 | |
| S50 | 14603 | 5/10/2024 16:00 | 74.50 | 59.48 | 13.5 | 24 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/10/2024 17:00 | 80.50 | 58.57 | 14.9 | 11 | 0 | |
| S50 | 14603 | 5/10/2024 18:00 | 72.60 | 57.41 | 14.2 | 9 | 0 | |
| S50 | 14603 | 5/10/2024 19:00 | 72.70 | 58.61 | 13 | 9 | 0 | |
| S50 | 14603 | 5/10/2024 20:00 | 73.40 | 56.68 | 10.3 | 9 | 0 | |
| S50 | 14603 | 5/10/2024 21:00 | 72.90 | 53.35 | 10.8 | 9 | 0 | |
| S50 | 14603 | 5/10/2024 22:00 | 66.90 | 52.46 | 11 | 8 | 0 | |
| S50 | 14603 | 5/10/2024 23:00 | 83.80 | 55.17 | 8.6 | 4 | 0 | |
| Saturday, May 11, 2024 | | | | | | | | |
| S50 | 14603 | 5/11/2024 0:00 | 66.40 | 53.69 | 7 | 5 | 0 | |
| S50 | 14603 | 5/11/2024 1:00 | 63.60 | 52.47 | 6.8 | 0 | 0 | |
| S50 | 14603 | 5/11/2024 2:00 | 82.00 | 52.52 | 3.5 | 0 | 0 | |
| S50 | 14603 | 5/11/2024 3:00 | 69.70 | 49.44 | 4 | 4 | 0 | |
| S50 | 14603 | 5/11/2024 4:00 | 62.80 | 51.97 | 3.6 | 5 | 0 | |
| S50 | 14603 | 5/11/2024 5:00 | 73.10 | 50.87 | 4.3 | 8 | 0 | |
| S50 | 14603 | 5/11/2024 6:00 | 64.00 | 47.49 | 6.4 | 8 | 0 | |
| S50 | 14603 | 5/11/2024 7:00 | 66.10 | 51.64 | 9.9 | 11 | 0 | |
| S50 | 14603 | 5/11/2024 8:00 | 67.40 | 53.13 | 12.3 | 17 | 0 | |
| S50 | 14603 | 5/11/2024 9:00 | 71.60 | 54.74 | 12.2 | 18 | 0 | |
| S50 | 14603 | 5/11/2024 10:00 | 72.50 | 57.57 | 12.4 | 26 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/11/2024 11:00 | 70.70 | 57.24 | 11.7 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/11/2024 12:00 | 78.20 | 58.90 | 12.2 | 28 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/11/2024 13:00 | 67.80 | 57.91 | 10.6 | 28 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/11/2024 14:00 | 75.70 | 57.90 | 10.7 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/11/2024 15:00 | 73.00 | 56.66 | 12 | 18 | 0 | |
| S50 | 14603 | 5/11/2024 16:00 | 72.30 | 56.41 | 11.2 | 11 | 0 | |
| S50 | 14603 | 5/11/2024 17:00 | 74.20 | 57.46 | 10.6 | 15 | 0 | |
| S50 | 14603 | 5/11/2024 18:00 | 75.20 | 57.81 | 10.6 | 15 | 0 | |
| S50 | 14603 | 5/11/2024 19:00 | 79.60 | 56.90 | 9.8 | 4 | 2.2 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/11/2024 20:00 | 71.10 | 54.55 | 9.5 | 8 | 0.8 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/11/2024 21:00 | 77.80 | 54.11 | 9.3 | 15 | 2.3 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/11/2024 22:00 | 68.40 | 52.60 | 8.8 | 13 | 3.8 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/11/2024 23:00 | 72.40 | 52.06 | 8.9 | 13 | 0 | |

Table D-1 Noise Level and Weather Data Measured for Sensor A

| Sensor Type | Serial No. | Date/Time MM/DD/YYYY HH:MM | L _{max} (dBA) | L _{eq(1-Hour)} (dBA) | 1-hour Average Air Temperature (°C) | 1-hour Average Wind Speed (km/h) | 1-hour Cumulative Precipitation (mm) | Comments |
|------------------------------|------------|----------------------------------|------------------------|-------------------------------|-------------------------------------|----------------------------------|--------------------------------------|----------------------------------|
| Sunday, May 12, 2024 | | | | | | | | |
| S50 | 14603 | 5/12/2024 0:00 | 68.70 | 53.92 | 9 | 9 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/12/2024 1:00 | 65.80 | 50.95 | 9 | 9 | 0 | |
| S50 | 14603 | 5/12/2024 2:00 | 60.30 | 48.10 | 8.8 | 13 | 0 | |
| S50 | 14603 | 5/12/2024 3:00 | 61.20 | 46.48 | 8.5 | 9 | 0 | |
| S50 | 14603 | 5/12/2024 4:00 | 60.90 | 45.63 | 7.8 | 5 | 0 | |
| S50 | 14603 | 5/12/2024 5:00 | 56.40 | 44.55 | 7.8 | 13 | 0 | |
| S50 | 14603 | 5/12/2024 6:00 | 63.40 | 45.43 | 7.9 | 11 | 0 | |
| S50 | 14603 | 5/12/2024 7:00 | 68.70 | 49.80 | 9.7 | 13 | 0 | |
| S50 | 14603 | 5/12/2024 8:00 | 66.50 | 49.95 | 10.7 | 18 | 0 | |
| S50 | 14603 | 5/12/2024 9:00 | 63.30 | 51.08 | 10.8 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/12/2024 10:00 | 75.20 | 54.39 | 12 | 15 | 0 | |
| S50 | 14603 | 5/12/2024 11:00 | 74.50 | 54.90 | 13.9 | 13 | 0 | |
| S50 | 14603 | 5/12/2024 12:00 | 69.60 | 55.24 | 14.1 | 11 | 0 | |
| S50 | 14603 | 5/12/2024 13:00 | 65.70 | 55.73 | 15.5 | 17 | 0 | |
| S50 | 14603 | 5/12/2024 14:00 | 79.40 | 56.34 | 16.3 | 8 | 0 | |
| S50 | 14603 | 5/12/2024 15:00 | 69.50 | 54.62 | 16.3 | 9 | 0 | |
| S50 | 14603 | 5/12/2024 16:00 | 71.70 | 58.82 | 16.6 | 17 | 0 | |
| S50 | 14603 | 5/12/2024 17:00 | 82.90 | 56.24 | 17.1 | 18 | 0 | |
| S50 | 14603 | 5/12/2024 18:00 | 75.50 | 56.03 | 16 | 18 | 0 | |
| S50 | 14603 | 5/12/2024 19:00 | 79.20 | 55.76 | 15 | 15 | 0 | |
| S50 | 14603 | 5/12/2024 20:00 | 75.20 | 53.87 | 13.9 | 18 | 0 | |
| S50 | 14603 | 5/12/2024 21:00 | 75.40 | 54.76 | 12.5 | 17 | 0 | |
| S50 | 14603 | 5/12/2024 22:00 | 72.20 | 52.93 | 11.2 | 15 | 0 | |
| S50 | 14603 | 5/12/2024 23:00 | 67.60 | 51.83 | 9.8 | 11 | 0 | |
| Monday, May 13, 2024 | | | | | | | | |
| S50 | 14603 | 5/13/2024 0:00 | 76.20 | 55.50 | 9.4 | 13 | 0 | |
| S50 | 14603 | 5/13/2024 1:00 | 67.20 | 49.33 | 9.3 | 13 | 0 | |
| S50 | 14603 | 5/13/2024 2:00 | 61.70 | 46.96 | 9.5 | 11 | 0 | |
| S50 | 14603 | 5/13/2024 3:00 | 70.70 | 47.61 | 9.6 | 13 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/13/2024 4:00 | 74.60 | 52.49 | 9.6 | 11 | 0 | |
| S50 | 14603 | 5/13/2024 5:00 | 70.60 | 49.78 | 10.4 | 18 | 0 | |
| S50 | 14603 | 5/13/2024 6:00 | 66.80 | 53.23 | 10.8 | 11 | 0 | |
| S50 | 14603 | 5/13/2024 7:00 | 76.50 | 60.25 | 11.6 | 0 | 0 | |
| S50 | 14603 | 5/13/2024 8:00 | 84.40 | 68.79 | 14.3 | 17 | 0 | |
| S50 | 14603 | 5/13/2024 9:00 | 82.60 | 66.67 | 18 | 18 | 0 | |
| S50 | 14603 | 5/13/2024 10:00 | 85.40 | 65.29 | 15.6 | 13 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/13/2024 11:00 | 78.70 | 65.88 | 17.8 | 17 | 0 | |
| S50 | 14603 | 5/13/2024 12:00 | 82.10 | 66.87 | 19.9 | 15 | 0 | |
| S50 | 14603 | 5/13/2024 13:00 | 76.00 | 64.51 | 21.3 | 17 | 0 | |
| S50 | 14603 | 5/13/2024 14:00 | 77.80 | 67.60 | 21.8 | 26 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/13/2024 15:00 | 83.10 | 68.35 | 23 | 17 | 0 | |
| S50 | 14603 | 5/13/2024 16:00 | 84.20 | 65.48 | 24.4 | 30 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/13/2024 17:00 | 78.30 | 58.89 | 23.3 | 34 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/13/2024 18:00 | 74.00 | 58.93 | 23 | 32 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/13/2024 19:00 | 73.50 | 61.06 | 21.8 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/13/2024 20:00 | 79.10 | 59.66 | 17.6 | 8 | 0 | |
| S50 | 14603 | 5/13/2024 21:00 | 68.10 | 53.65 | 15.8 | 0 | 0 | |
| S50 | 14603 | 5/13/2024 22:00 | 71.40 | 52.34 | 13.5 | 8 | 0 | |
| S50 | 14603 | 5/13/2024 23:00 | 77.10 | 52.47 | 13.4 | 5 | 0 | |
| Tuesday, May 14, 2024 | | | | | | | | |
| S50 | 14603 | 5/14/2024 0:00 | 76.70 | 51.62 | 13.8 | 0 | 0 | |
| S50 | 14603 | 5/14/2024 1:00 | 66.20 | 49.24 | 13 | 4 | 0 | |
| S50 | 14603 | 5/14/2024 2:00 | 57.90 | 44.88 | 12.6 | 4 | 0 | |
| S50 | 14603 | 5/14/2024 3:00 | 74.80 | 48.67 | 12.8 | 4 | 0 | |
| S50 | 14603 | 5/14/2024 4:00 | 56.30 | 43.97 | 12.9 | 4 | 0 | |
| S50 | 14603 | 5/14/2024 5:00 | 59.30 | 45.78 | 13.3 | 0 | 0 | |
| S50 | 14603 | 5/14/2024 6:00 | 75.20 | 52.99 | 13.8 | 9 | 0 | |
| S50 | 14603 | 5/14/2024 7:00 | 73.50 | 56.77 | 14.8 | 5 | 0 | |
| S50 | 14603 | 5/14/2024 8:00 | 81.60 | 66.52 | 15.8 | 8 | 0 | |
| S50 | 14603 | 5/14/2024 9:00 | 81.70 | 67.46 | 16.6 | 8 | 0 | |
| S50 | 14603 | 5/14/2024 10:00 | 85.50 | 67.87 | 17.9 | 5 | 0 | Hammering Noise (1 Sec) |
| S50 | 14603 | 5/14/2024 11:00 | 89.80 | 69.11 | 18.3 | 13 | 0 | Concrete truck noise (5 Sec) |
| S50 | 14603 | 5/14/2024 12:00 | 86.70 | 68.74 | 19.6 | 15 | 0 | Grinding Noise (4 Sec) |
| S50 | 14603 | 5/14/2024 13:00 | 79.20 | 65.62 | 19.4 | 13 | 0 | |
| S50 | 14603 | 5/14/2024 14:00 | 89.40 | 67.28 | 20.3 | 15 | 0 | Offloading Noise (1 Sec) |
| S50 | 14603 | 5/14/2024 15:00 | 90.30 | 69.39 | 20 | 18 | 0 | Hammering Noise (2 Sec) |
| S50 | 14603 | 5/14/2024 16:00 | 78.60 | 65.80 | 20.2 | 15 | 0 | |
| S50 | 14603 | 5/14/2024 17:00 | 73.60 | 64.34 | 20 | 15 | 0 | |
| S50 | 14603 | 5/14/2024 18:00 | 73.80 | 64.13 | 18.5 | 13 | 0 | |
| S50 | 14603 | 5/14/2024 19:00 | 70.00 | 64.37 | 18 | 15 | 0 | |
| S50 | 14603 | 5/14/2024 20:00 | 70.80 | 64.08 | 15.8 | 13 | 0 | |
| S50 | 14603 | 5/14/2024 21:00 | 79.90 | 64.25 | 14 | 8 | 0 | |
| S50 | 14603 | 5/14/2024 22:00 | 74.00 | 63.86 | 12.7 | 5 | 0 | |
| S50 | 14603 | 5/14/2024 23:00 | 81.10 | 63.97 | 11.9 | 8 | 0 | |

Table D-1 Noise Level and Weather Data Measured for Sensor A

| Sensor Type | Serial No. | Date/Time MM/DD/YYYY HH:MM | L _{max} (dBA) | L _{eq(1-Hour)} (dBA) | 1-hour Average Air Temperature (°C) | 1-hour Average Wind Speed (km/h) | 1-hour Cumulative Precipitation (mm) | Comments |
|--------------------------------|------------|----------------------------------|------------------------|-------------------------------|-------------------------------------|----------------------------------|--------------------------------------|---|
| Wednesday, May 15, 2024 | | | | | | | | |
| S50 | 14603 | 5/15/2024 0:00 | 82.50 | 63.94 | 11.2 | 9 | 0 | |
| S50 | 14603 | 5/15/2024 1:00 | 69.80 | 63.65 | 11 | 5 | 0 | |
| S50 | 14603 | 5/15/2024 2:00 | 77.60 | 63.74 | 10.7 | 5 | 0 | |
| S50 | 14603 | 5/15/2024 3:00 | 79.10 | 63.67 | 9.7 | 4 | 0 | |
| S50 | 14603 | 5/15/2024 4:00 | 65.00 | 63.48 | 9.4 | 4 | 0 | |
| S50 | 14603 | 5/15/2024 5:00 | 70.40 | 63.53 | 10.6 | 5 | 0 | |
| S50 | 14603 | 5/15/2024 6:00 | 74.80 | 63.70 | 11.2 | 4 | 0 | |
| S50 | 14603 | 5/15/2024 7:00 | 76.90 | 64.84 | 13.4 | 11 | 0 | |
| S50 | 14603 | 5/15/2024 8:00 | 83.10 | 66.66 | 14.6 | 11 | 0 | |
| S50 | 14603 | 5/15/2024 9:00 | 84.20 | 69.19 | 15.8 | 15 | 0 | |
| S50 | 14603 | 5/15/2024 10:00 | 85.00 | 66.45 | 17.1 | 15 | 0 | |
| S50 | 14603 | 5/15/2024 11:00 | 84.10 | 67.43 | 17.6 | 17 | 0 | |
| S50 | 14603 | 5/15/2024 12:00 | 77.90 | 66.13 | 19 | 18 | 0 | |
| S50 | 14603 | 5/15/2024 13:00 | 80.80 | 66.08 | 19 | 15 | 0 | |
| S50 | 14603 | 5/15/2024 14:00 | 77.10 | 65.77 | 20 | 15 | 0 | |
| S50 | 14603 | 5/15/2024 15:00 | 86.30 | 70.24 | 21.2 | 15 | 0 | Equipment noise (4 Sec) |
| S50 | 14603 | 5/15/2024 16:00 | 82.20 | 65.08 | 20.1 | 17 | 0 | |
| S50 | 14603 | 5/15/2024 17:00 | 74.40 | 64.17 | 20.2 | 18 | 0 | |
| S50 | 14603 | 5/15/2024 18:00 | 72.00 | 64.30 | 19.4 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/15/2024 19:00 | 75.40 | 64.66 | 17.8 | 13 | 0 | |
| S50 | 14603 | 5/15/2024 20:00 | 78.70 | 64.33 | 15.4 | 8 | 0 | |
| S50 | 14603 | 5/15/2024 21:00 | 71.50 | 63.99 | 14.4 | 0 | 0 | |
| S50 | 14603 | 5/15/2024 22:00 | 67.90 | 63.79 | 12.4 | 4 | 0 | |
| S50 | 14603 | 5/15/2024 23:00 | 70.80 | 63.82 | 12.6 | 8 | 0 | |
| Thursday, May 16, 2024 | | | | | | | | |
| S50 | 14603 | 5/16/2024 0:00 | 71.10 | 63.68 | 11.6 | 8 | 0 | |
| S50 | 14603 | 5/16/2024 1:00 | 72.50 | 63.72 | 10 | 4 | 0 | |
| S50 | 14603 | 5/16/2024 2:00 | 67.60 | 63.43 | 10.3 | 4 | 0 | |
| S50 | 14603 | 5/16/2024 3:00 | 65.00 | 63.41 | 9.5 | 5 | 0 | |
| S50 | 14603 | 5/16/2024 4:00 | 69.80 | 63.44 | 8 | 4 | 0 | |
| S50 | 14603 | 5/16/2024 5:00 | 76.20 | 63.48 | 8 | 4 | 0 | |
| S50 | 14603 | 5/16/2024 6:00 | 80.10 | 63.94 | 9.3 | 5 | 0 | |
| S50 | 14603 | 5/16/2024 7:00 | 82.50 | 64.97 | 13 | 5 | 0 | |
| S50 | 14603 | 5/16/2024 8:00 | 77.20 | 63.61 | 16.5 | 13 | 0 | |
| S50 | 14603 | 5/16/2024 9:00 | 84.10 | 65.12 | 18.1 | 4 | 0 | |
| S50 | 14603 | 5/16/2024 10:00 | 77.70 | 63.84 | 19.5 | 8 | 0 | |
| S50 | 14603 | 5/16/2024 11:00 | 77.60 | 64.06 | 20.4 | 4 | 0 | |
| S50 | 14603 | 5/16/2024 12:00 | 81.10 | 65.40 | 20.3 | 8 | 0 | |
| S50 | 14603 | 5/16/2024 13:00 | 81.00 | 63.03 | 21.1 | 4 | 0 | |
| S50 | 14603 | 5/16/2024 14:00 | 86.30 | 64.81 | 23 | 9 | 0 | Unloading Noise (2 Sec) |
| S50 | 14603 | 5/16/2024 15:00 | 81.50 | 61.53 | 22.9 | 9 | 0 | |
| S50 | 14603 | 5/16/2024 16:00 | 82.30 | 60.52 | 22.7 | 24 | 0 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/16/2024 17:00 | 77.20 | 59.09 | 21.7 | 15 | 0 | |
| S50 | 14603 | 5/16/2024 18:00 | 73.50 | 57.94 | 20.6 | 18 | 0 | |
| S50 | 14603 | 5/16/2024 19:00 | 82.80 | 59.55 | 17.9 | 13 | 0 | |
| S50 | 14603 | 5/16/2024 20:00 | 79.00 | 58.27 | 17 | 13 | 0 | |
| S50 | 14603 | 5/16/2024 21:00 | 79.00 | 55.54 | 16.1 | 8 | 0 | |
| S50 | 14603 | 5/16/2024 22:00 | 83.10 | 55.79 | 14.3 | 5 | 0 | |
| S50 | 14603 | 5/16/2024 23:00 | 70.20 | 53.29 | 13.1 | 5 | 0 | |
| Friday, May 17, 2024 | | | | | | | | |
| S50 | 14603 | 5/17/2024 0:00 | 70.40 | 53.15 | 12.9 | 9 | 0 | |
| S50 | 14603 | 5/17/2024 1:00 | 60.10 | 47.40 | 13.4 | 4 | 0 | |
| S50 | 14603 | 5/17/2024 2:00 | 68.20 | 47.59 | 12.2 | 0 | 0 | |
| S50 | 14603 | 5/17/2024 3:00 | 59.90 | 45.34 | 11.2 | 5 | 0 | |
| S50 | 14603 | 5/17/2024 4:00 | 61.80 | 45.10 | 11.3 | 4 | 0 | |
| S50 | 14603 | 5/17/2024 5:00 | 79.40 | 50.17 | 11.4 | 0 | 0 | |
| S50 | 14603 | 5/17/2024 6:00 | 72.30 | 52.63 | 12.7 | 0 | 0 | |
| S50 | 14603 | 5/17/2024 7:00 | 74.10 | 58.38 | 14.4 | 5 | 0 | |
| S50 | 14603 | 5/17/2024 8:00 | 81.20 | 64.65 | 15.1 | 5 | 0 | |
| S50 | 14603 | 5/17/2024 9:00 | 89.80 | 64.79 | 15.8 | 8 | 0 | Combination of unloading and Air Horn noise (4 Sec) |
| S50 | 14603 | 5/17/2024 10:00 | 75.80 | 59.73 | 16.1 | 4 | 0 | |
| S50 | 14603 | 5/17/2024 11:00 | 87.40 | 65.31 | 16 | 11 | 0.8 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/17/2024 12:00 | 80.50 | 65.20 | 15.9 | 8 | 1.2 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/17/2024 13:00 | 77.10 | 60.64 | 15.9 | 8 | 1.5 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/17/2024 14:00 | 77.70 | 61.79 | 16 | 22 | 1 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/17/2024 15:00 | 86.90 | 61.12 | 17.1 | 4 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 14603 | 5/17/2024 16:00 | 78.90 | 58.78 | 18.4 | 11 | 0 | |
| S50 | 14603 | 5/17/2024 17:00 | 69.60 | 57.20 | 17.9 | 11 | 0 | |
| S50 | 14603 | 5/17/2024 18:00 | 68.70 | 55.97 | 17.5 | 15 | 0 | |
| S50 | 14603 | 5/17/2024 19:00 | 72.90 | 57.92 | 16.3 | 15 | 0 | |
| S50 | 14603 | 5/17/2024 20:00 | 69.80 | 56.56 | 15.3 | 13 | 0 | |
| S50 | 14603 | 5/17/2024 21:00 | 73.30 | 53.78 | 15.2 | 11 | 0 | |
| S50 | 14603 | 5/17/2024 22:00 | 71.40 | 53.36 | 14.8 | 9 | 0 | |
| S50 | 14603 | 5/17/2024 23:00 | 73.50 | 52.36 | 13.6 | 11 | 0 | |
| S50 | 14603 | 5/17/2024 23:59 | 67.10 | 50.90 | 14.2 | 9 | 0 | |

Table D-2 Noise Level and Weather Data Measured for Sensor B

| Sensor Type | Serial No. | Date/Time MM/DD/YYYY HH:MM | L _{max} (dBA) | L _{eq} (dBA) | 1-hour Average Air Temperature (°C) | 1-hour Average Wind Speed (km/h) | 1-hour Cumulative Precipitation (mm) | Comments |
|------------------------------|------------|----------------------------|------------------------|-----------------------|-------------------------------------|----------------------------------|--------------------------------------|--|
| Friday, May 3, 2024 | | | | | | | | |
| S50 | 13846 | 5/3/2024 0:00 | | | 9.9 | 4 | 0 | |
| S50 | 13846 | 5/3/2024 1:00 | 71.80 | 49.40 | 7.8 | 5 | 0 | |
| S50 | 13846 | 5/3/2024 2:00 | 62.10 | 47.90 | 8.3 | 8 | 0 | |
| S50 | 13846 | 5/3/2024 3:00 | 58.70 | 47.50 | 9.3 | 13 | 0 | |
| S50 | 13846 | 5/3/2024 4:00 | 55.10 | 47.60 | 8.9 | 8 | 0 | |
| S50 | 13846 | 5/3/2024 5:00 | 60.80 | 48.10 | 8.6 | 5 | 0 | |
| S50 | 13846 | 5/3/2024 6:00 | 85.00 | 61.00 | 10.2 | 4 | 0 | |
| S50 | 13846 | 5/3/2024 7:00 | 81.10 | 63.30 | 12.4 | 4 | 0 | |
| S50 | 13846 | 5/3/2024 8:00 | 92.60 | 71.20 | 12.5 | 17 | 0 | Top layer install or rebar install on L4 P#1 |
| S50 | 13846 | 5/3/2024 9:00 | 91.60 | 72.40 | 13.9 | 9 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/3/2024 10:00 | 90.00 | 71.10 | 12.9 | 9 | 1.2 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/3/2024 11:00 | 92.60 | 74.33 | 13.1 | 17 | 1.5 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/3/2024 12:00 | 84.80 | 69.00 | 12.5 | 4 | 2.5 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/3/2024 13:00 | 87.60 | 66.66 | 13.1 | 17 | 1 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/3/2024 14:00 | 82.80 | 63.97 | 14.6 | 17 | 0 | |
| S50 | 13846 | 5/3/2024 15:00 | 85.00 | 65.82 | 14 | 9 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/3/2024 16:00 | 77.70 | 61.51 | 13.1 | 13 | 0.8 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/3/2024 17:00 | 73.10 | 56.12 | 12.6 | 11 | 0 | |
| S50 | 13846 | 5/3/2024 18:00 | 69.00 | 54.93 | 12.8 | 0 | 0.5 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/3/2024 19:00 | 62.00 | 53.73 | 12.4 | 8 | 0 | |
| S50 | 13846 | 5/3/2024 20:00 | 72.60 | 58.58 | 12.4 | 5 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/3/2024 21:00 | 67.10 | 51.80 | 12.2 | 4 | 0 | |
| S50 | 13846 | 5/3/2024 22:00 | 76.90 | 51.84 | 12 | 0 | 0 | |
| S50 | 13846 | 5/3/2024 23:00 | 76.80 | 52.24 | 11.2 | 8 | 0 | |
| Saturday, May 4, 2024 | | | | | | | | |
| S50 | 13846 | 5/4/2024 0:00 | 70.50 | 50.61 | 10.6 | 5 | 0 | |
| S50 | 13846 | 5/4/2024 1:00 | 61.40 | 49.34 | 10.8 | 11 | 0 | |
| S50 | 13846 | 5/4/2024 2:00 | 60.70 | 48.59 | 11.7 | 8 | 0 | |
| S50 | 13846 | 5/4/2024 3:00 | 62.00 | 47.98 | 10.4 | 5 | 0 | |
| S50 | 13846 | 5/4/2024 4:00 | 53.50 | 47.56 | 10.2 | 9 | 0 | |
| S50 | 13846 | 5/4/2024 5:00 | 53.10 | 47.75 | 11.6 | 8 | 0 | |
| S50 | 13846 | 5/4/2024 6:00 | 65.80 | 48.86 | 11.8 | 8 | 0 | |
| S50 | 13846 | 5/4/2024 7:00 | 60.80 | 50.19 | 13.3 | 13 | 0 | |
| S50 | 13846 | 5/4/2024 8:00 | 60.20 | 50.56 | 15.4 | 17 | 0 | |
| S50 | 13846 | 5/4/2024 9:00 | 62.70 | 51.59 | 17.6 | 17 | 0 | |
| S50 | 13846 | 5/4/2024 10:00 | 65.10 | 51.70 | 18.9 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/4/2024 11:00 | 68.50 | 51.90 | 19.5 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/4/2024 12:00 | 68.50 | 53.06 | 21.2 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/4/2024 13:00 | 75.00 | 54.71 | 20.6 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/4/2024 14:00 | 77.40 | 55.75 | 19.3 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/4/2024 15:00 | 74.90 | 54.46 | 20.6 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/4/2024 16:00 | 74.70 | 54.69 | 20.4 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/4/2024 17:00 | 66.50 | 51.94 | 20.1 | 17 | 0 | |
| S50 | 13846 | 5/4/2024 18:00 | 75.80 | 52.26 | 18 | 18 | 0 | |
| S50 | 13846 | 5/4/2024 19:00 | 70.70 | 52.95 | 17 | 24 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/4/2024 20:00 | 81.30 | 54.71 | 15.7 | 17 | 0 | |
| S50 | 13846 | 5/4/2024 21:00 | 63.40 | 51.25 | 14.5 | 15 | 0 | |
| S50 | 13846 | 5/4/2024 22:00 | 75.50 | 51.99 | 14 | 17 | 0 | |
| S50 | 13846 | 5/4/2024 23:00 | 76.40 | 51.22 | 13.1 | 15 | 0 | |
| Sunday, May 5, 2024 | | | | | | | | |
| S50 | 13846 | 5/5/2024 0:00 | 72.90 | 50.60 | 13.2 | 15 | 0 | |
| S50 | 13846 | 5/5/2024 1:00 | 72.10 | 49.66 | 12.9 | 15 | 0 | |
| S50 | 13846 | 5/5/2024 2:00 | 58.00 | 48.06 | 12.1 | 13 | 0.5 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/5/2024 3:00 | 60.20 | 48.76 | 11.5 | 13 | 0 | |
| S50 | 13846 | 5/5/2024 4:00 | 52.50 | 47.53 | 11.4 | 11 | 0 | |
| S50 | 13846 | 5/5/2024 5:00 | 56.30 | 48.18 | 11.4 | 13 | 0 | |
| S50 | 13846 | 5/5/2024 6:00 | 52.50 | 47.56 | 11.4 | 9 | 0 | |
| S50 | 13846 | 5/5/2024 7:00 | 72.30 | 54.81 | 11.7 | 9 | 0 | |
| S50 | 13846 | 5/5/2024 8:00 | 81.20 | 53.73 | 12.3 | 11 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/5/2024 9:00 | 73.50 | 50.46 | 13.2 | 8 | 0 | |
| S50 | 13846 | 5/5/2024 10:00 | 63.90 | 50.38 | 14.1 | 15 | 0 | |
| S50 | 13846 | 5/5/2024 11:00 | 74.40 | 54.56 | 15.9 | 11 | 0 | |
| S50 | 13846 | 5/5/2024 12:00 | 64.30 | 50.42 | 17.3 | 13 | 0 | |
| S50 | 13846 | 5/5/2024 13:00 | 62.90 | 53.21 | 18.2 | 13 | 0 | |
| S50 | 13846 | 5/5/2024 14:00 | 57.50 | 50.11 | 17.6 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/5/2024 15:00 | 63.60 | 51.09 | 17.2 | 15 | 0 | |
| S50 | 13846 | 5/5/2024 16:00 | 66.00 | 52.36 | 15.5 | 15 | 0 | |
| S50 | 13846 | 5/5/2024 17:00 | 62.90 | 50.61 | 15.6 | 11 | 0 | |
| S50 | 13846 | 5/5/2024 18:00 | 67.50 | 50.08 | 16.2 | 13 | 0 | |
| S50 | 13846 | 5/5/2024 19:00 | 66.10 | 50.22 | 14.6 | 11 | 0 | |
| S50 | 13846 | 5/5/2024 20:00 | 66.20 | 50.74 | 12.4 | 9 | 0 | |
| S50 | 13846 | 5/5/2024 21:00 | 65.20 | 49.34 | 11 | 11 | 0 | |
| S50 | 13846 | 5/5/2024 22:00 | 76.40 | 50.91 | 9.7 | 9 | 0 | |
| S50 | 13846 | 5/5/2024 23:00 | 76.50 | 50.29 | 9.5 | 8 | 0 | |

Table D-2 Noise Level and Weather Data Measured for Sensor B

| Sensor Type | Serial No. | Date/Time MM/DD/YYYY HH:MM | L _{max} (dBA) | L _{eq} (dBA) | 1-hour Average Air Temperature (°C) | 1-hour Average Wind Speed (km/h) | 1-hour Cumulative Precipitation (mm) | Comments |
|-------------------------------|------------|----------------------------|------------------------|-----------------------|-------------------------------------|----------------------------------|--------------------------------------|---|
| Monday, May 6, 2024 | | | | | | | | |
| S50 | 13846 | 5/6/2024 0:00 | 71.70 | 52.77 | 7.2 | 9 | 0 | |
| S50 | 13846 | 5/6/2024 1:00 | 58.80 | 49.48 | 7.2 | 9 | 0 | |
| S50 | 13846 | 5/6/2024 2:00 | 59.60 | 47.51 | 7.2 | 11 | 0 | |
| S50 | 13846 | 5/6/2024 3:00 | 58.60 | 47.40 | 7.2 | 8 | 0 | |
| S50 | 13846 | 5/6/2024 4:00 | 51.30 | 46.86 | 6.5 | 9 | 0 | |
| S50 | 13846 | 5/6/2024 5:00 | 65.10 | 57.04 | 6.3 | 5 | 0 | |
| S50 | 13846 | 5/6/2024 6:00 | 64.30 | 61.47 | 6.2 | 4 | 0 | |
| S50 | 13846 | 5/6/2024 7:00 | 77.10 | 64.26 | 9.3 | 11 | 0 | |
| S50 | 13846 | 5/6/2024 8:00 | 89.40 | 73.13 | 11 | 8 | 0 | Hammering Noise - Concrete Chipping |
| S50 | 13846 | 5/6/2024 9:00 | 87.70 | 72.79 | 12.6 | 9 | 0 | Hammering Noise - Concrete Chipping |
| S50 | 13846 | 5/6/2024 10:00 | 89.50 | 72.77 | 14.5 | 4 | 0 | Hammering Noise - Concrete Chipping |
| S50 | 13846 | 5/6/2024 11:00 | 98.20 | 79.72 | 16 | 17 | 0 | Combination of hammering and grinding noise - Concrete Chipping |
| S50 | 13846 | 5/6/2024 12:00 | 88.30 | 73.79 | 17.1 | 11 | 0 | Hammering Noise - Concrete Chipping |
| S50 | 13846 | 5/6/2024 13:00 | 86.40 | 71.73 | 17.6 | 9 | 0 | Combination of hammering and grinding noise - Concrete Chipping |
| S50 | 13846 | 5/6/2024 14:00 | 89.30 | 72.40 | 18.3 | 8 | 0 | Hammering Noise - Concrete Chipping |
| S50 | 13846 | 5/6/2024 15:00 | 88.00 | 72.50 | 18.4 | 11 | 0 | Combination of hammering and grinding noise - Concrete Chipping |
| S50 | 13846 | 5/6/2024 16:00 | 89.10 | 68.26 | 18.1 | 9 | 0 | Hammering Noise - Concrete Chipping |
| S50 | 13846 | 5/6/2024 17:00 | 81.50 | 54.86 | 17.9 | 9 | 0 | |
| S50 | 13846 | 5/6/2024 18:00 | 70.20 | 51.76 | 17.6 | 13 | 0 | |
| S50 | 13846 | 5/6/2024 19:00 | 74.40 | 59.57 | 16.2 | 9 | 0 | |
| S50 | 13846 | 5/6/2024 20:00 | 80.70 | 59.38 | 12.5 | 5 | 0 | |
| S50 | 13846 | 5/6/2024 21:00 | 76.10 | 55.17 | 9.7 | 0 | 0 | |
| S50 | 13846 | 5/6/2024 22:00 | 76.40 | 51.51 | 7.9 | 5 | 0 | |
| S50 | 13846 | 5/6/2024 23:00 | 76.60 | 50.32 | 6.2 | 5 | 0 | |
| Tuesday, May 7, 2024 | | | | | | | | |
| S50 | 13846 | 5/7/2024 0:00 | 63.80 | 47.89 | 5.1 | 0 | 0 | |
| S50 | 13846 | 5/7/2024 1:00 | 70.40 | 52.59 | 5.3 | 0 | 0 | |
| S50 | 13846 | 5/7/2024 2:00 | 53.40 | 46.62 | 4.6 | 5 | 0 | |
| S50 | 13846 | 5/7/2024 3:00 | 58.00 | 46.72 | 3.4 | 4 | 0 | |
| S50 | 13846 | 5/7/2024 4:00 | 51.50 | 47.21 | 4 | 8 | 0 | |
| S50 | 13846 | 5/7/2024 5:00 | 73.50 | 55.52 | 3.1 | 8 | 0 | |
| S50 | 13846 | 5/7/2024 6:00 | 93.80 | 67.89 | 3.4 | 5 | 0 | Noise from site security speaker |
| S50 | 13846 | 5/7/2024 7:00 | 88.00 | 68.04 | 9.1 | 0 | 0 | Hammering Noise - Concrete Chipping |
| S50 | 13846 | 5/7/2024 8:00 | 86.30 | 69.74 | 13.1 | 9 | 0 | Hammering Noise (1 Sec) |
| S50 | 13846 | 5/7/2024 9:00 | 96.20 | 74.48 | 16.5 | 17 | 0 | Grinding Noise |
| S50 | 13846 | 5/7/2024 10:00 | 89.70 | 65.68 | 18.2 | 13 | 0 | Grinding Noise (1 Sec) |
| S50 | 13846 | 5/7/2024 11:00 | 90.90 | 72.72 | 19 | 11 | 0 | Hammering Noise |
| S50 | 13846 | 5/7/2024 12:00 | 90.00 | 73.60 | 19.6 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/7/2024 13:00 | 88.70 | 73.56 | 20.5 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/7/2024 14:00 | 92.40 | 74.34 | 20.2 | 18 | 0 | Hammering Noise |
| S50 | 13846 | 5/7/2024 15:00 | 91.60 | 74.05 | 20.3 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/7/2024 16:00 | 87.40 | 67.97 | 19.7 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/7/2024 17:00 | 75.00 | 62.19 | 18.5 | 13 | 0 | |
| S50 | 13846 | 5/7/2024 18:00 | 71.30 | 51.68 | 17.3 | 15 | 0 | |
| S50 | 13846 | 5/7/2024 19:00 | 82.40 | 59.71 | 16 | 13 | 0 | |
| S50 | 13846 | 5/7/2024 20:00 | 73.40 | 56.03 | 15.1 | 15 | 0 | |
| S50 | 13846 | 5/7/2024 21:00 | 77.10 | 52.15 | 11.6 | 15 | 4.1 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/7/2024 22:00 | 76.30 | 56.20 | 10.4 | 9 | 12.2 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/7/2024 23:00 | 94.00 | 67.06 | 9.9 | 9 | 3.2 | Adverse Weather (Data not valid) |
| Wednesday, May 8, 2024 | | | | | | | | |
| S50 | 13846 | 5/8/2024 0:00 | 73.80 | 55.96 | 9.8 | 21 | 7.3 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/8/2024 1:00 | 74.20 | 59.70 | 9.6 | 11 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/8/2024 2:00 | 58.10 | 50.63 | 10.4 | 9 | 0 | |
| S50 | 13846 | 5/8/2024 3:00 | 58.30 | 48.51 | 10.6 | 4 | 0 | |
| S50 | 13846 | 5/8/2024 4:00 | 60.40 | 47.88 | 10.9 | 5 | 0 | |
| S50 | 13846 | 5/8/2024 5:00 | 69.20 | 52.40 | 11.3 | 8 | 0 | |
| S50 | 13846 | 5/8/2024 6:00 | 74.80 | 60.91 | 11.4 | 9 | 0 | |
| S50 | 13846 | 5/8/2024 7:00 | 79.70 | 65.85 | 14.7 | 24 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/8/2024 8:00 | 86.40 | 74.27 | 16.5 | 30 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/8/2024 9:00 | 92.80 | 76.68 | 17.3 | 46 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/8/2024 10:00 | 85.20 | 71.77 | 18.3 | 43 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/8/2024 11:00 | 94.00 | 75.98 | 18.9 | 43 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/8/2024 12:00 | 94.30 | 76.79 | 19.1 | 43 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/8/2024 13:00 | 84.40 | 72.51 | 15.7 | 37 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/8/2024 14:00 | 92.80 | 75.79 | 15.6 | 35 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/8/2024 15:00 | 89.20 | 72.57 | 15.2 | 37 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/8/2024 16:00 | 86.10 | 68.01 | 15.1 | 41 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/8/2024 17:00 | 80.80 | 60.12 | 13.5 | 32 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/8/2024 18:00 | 73.10 | 56.85 | 13.1 | 24 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/8/2024 19:00 | 80.00 | 58.86 | 11.6 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/8/2024 20:00 | 70.40 | 54.63 | 10.5 | 13 | 0 | |
| S50 | 13846 | 5/8/2024 21:00 | 61.70 | 50.32 | 10 | 9 | 0 | |
| S50 | 13846 | 5/8/2024 22:00 | 77.10 | 51.67 | 9.2 | 4 | 0 | |
| S50 | 13846 | 5/8/2024 23:00 | 77.10 | 54.48 | 7.5 | 9 | 0 | |

Table D-2 Noise Level and Weather Data Measured for Sensor B

| Sensor Type | Serial No. | Date/Time MM/DD/YYYY HH:MM | L _{max} (dBA) | L _{eq} (dBA) | 1-hour Average Air Temperature (°C) | 1-hour Average Wind Speed (km/h) | 1-hour Cumulative Precipitation (mm) | Comments |
|-------------------------------|------------|----------------------------|------------------------|-----------------------|-------------------------------------|----------------------------------|--------------------------------------|----------------------------------|
| Thursday, May 9, 2024 | | | | | | | | |
| S50 | 13846 | 5/9/2024 0:00 | 71.40 | 53.55 | 6.9 | 0 | 0 | |
| S50 | 13846 | 5/9/2024 1:00 | 56.30 | 47.65 | 5.9 | 4 | 0 | |
| S50 | 13846 | 5/9/2024 2:00 | 54.00 | 47.02 | 6.8 | 9 | 0 | |
| S50 | 13846 | 5/9/2024 3:00 | 52.50 | 47.00 | 6.8 | 11 | 0 | |
| S50 | 13846 | 5/9/2024 4:00 | 62.20 | 47.28 | 6 | 4 | 0 | |
| S50 | 13846 | 5/9/2024 5:00 | 52.00 | 47.50 | 5.2 | 4 | 0 | |
| S50 | 13846 | 5/9/2024 6:00 | 73.70 | 60.30 | 6.7 | 4 | 0 | |
| S50 | 13846 | 5/9/2024 7:00 | 76.70 | 62.72 | 9.5 | 9 | 0 | |
| S50 | 13846 | 5/9/2024 8:00 | 88.00 | 69.78 | 11.9 | 11 | 0 | |
| S50 | 13846 | 5/9/2024 9:00 | 90.50 | 72.33 | 13.6 | 17 | 0 | Hammering Noise (1 Sec) |
| S50 | 13846 | 5/9/2024 10:00 | 88.70 | 71.81 | 15.1 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/9/2024 11:00 | 89.90 | 75.53 | 15.4 | 13 | 0 | |
| S50 | 13846 | 5/9/2024 12:00 | 94.30 | 74.96 | 16.3 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/9/2024 13:00 | 86.30 | 69.86 | 15.6 | 11 | 0 | |
| S50 | 13846 | 5/9/2024 14:00 | 88.50 | 72.55 | 15.3 | 11 | 0 | |
| S50 | 13846 | 5/9/2024 15:00 | 87.10 | 69.61 | 14.2 | 13 | 0 | |
| S50 | 13846 | 5/9/2024 16:00 | 81.30 | 64.32 | 13.8 | 13 | 0 | |
| S50 | 13846 | 5/9/2024 17:00 | 65.00 | 52.57 | 13.3 | 13 | 0 | |
| S50 | 13846 | 5/9/2024 18:00 | 75.70 | 53.62 | 12.1 | 9 | 0 | |
| S50 | 13846 | 5/9/2024 19:00 | 75.00 | 59.72 | 11 | 5 | 0 | |
| S50 | 13846 | 5/9/2024 20:00 | 84.00 | 56.18 | 11.1 | 5 | 0 | |
| S50 | 13846 | 5/9/2024 21:00 | 62.80 | 50.52 | 10.7 | 5 | 0 | |
| S50 | 13846 | 5/9/2024 22:00 | 76.10 | 51.33 | 9.1 | 5 | 0 | |
| S50 | 13846 | 5/9/2024 23:00 | 76.10 | 51.66 | 9.2 | 4 | 0 | |
| Friday, May 10, 2024 | | | | | | | | |
| S50 | 13846 | 5/10/2024 0:00 | 90.00 | 57.12 | 9.6 | 8 | 0 | Noise from train horn (1 Sec) |
| S50 | 13846 | 5/10/2024 1:00 | 67.20 | 48.65 | 8.9 | 8 | 0 | |
| S50 | 13846 | 5/10/2024 2:00 | 57.10 | 47.68 | 8.7 | 11 | 0 | |
| S50 | 13846 | 5/10/2024 3:00 | 57.70 | 47.34 | 8.1 | 5 | 0 | |
| S50 | 13846 | 5/10/2024 4:00 | 61.80 | 47.67 | 5.6 | 5 | 0 | |
| S50 | 13846 | 5/10/2024 5:00 | 61.20 | 49.09 | 4.4 | 4 | 0 | |
| S50 | 13846 | 5/10/2024 6:00 | 93.80 | 67.54 | 7.4 | 4 | 0 | Noise from site security speaker |
| S50 | 13846 | 5/10/2024 7:00 | 79.80 | 64.32 | 9.1 | 8 | 0 | |
| S50 | 13846 | 5/10/2024 8:00 | 86.10 | 66.53 | 10 | 5 | 0 | |
| S50 | 13846 | 5/10/2024 9:00 | 89.50 | 68.72 | 11.3 | 4 | 0 | |
| S50 | 13846 | 5/10/2024 10:00 | 94.70 | 68.12 | 12.5 | 11 | 0 | Hammering Noise (4 Secs) |
| S50 | 13846 | 5/10/2024 11:00 | 88.90 | 72.52 | 13.7 | 13 | 0 | |
| S50 | 13846 | 5/10/2024 12:00 | 94.20 | 72.81 | 15.4 | 4 | 0 | Hammering Noise (1 Sec) |
| S50 | 13846 | 5/10/2024 13:00 | 91.00 | 73.52 | 14.3 | 9 | 0 | Hammering Noise |
| S50 | 13846 | 5/10/2024 14:00 | 92.80 | 77.89 | 14.3 | 11 | 0 | Hammering Noise |
| S50 | 13846 | 5/10/2024 15:00 | 92.70 | 73.09 | 15.3 | 9 | 0 | Hammering Noise |
| S50 | 13846 | 5/10/2024 16:00 | 81.40 | 60.09 | 13.5 | 24 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/10/2024 17:00 | 84.60 | 55.27 | 14.9 | 11 | 0 | |
| S50 | 13846 | 5/10/2024 18:00 | 74.10 | 54.57 | 14.2 | 9 | 0 | |
| S50 | 13846 | 5/10/2024 19:00 | 70.70 | 59.95 | 13 | 9 | 0 | |
| S50 | 13846 | 5/10/2024 20:00 | 72.50 | 56.23 | 10.3 | 9 | 0 | |
| S50 | 13846 | 5/10/2024 21:00 | 63.90 | 49.64 | 10.8 | 9 | 0 | |
| S50 | 13846 | 5/10/2024 22:00 | 76.00 | 50.58 | 11 | 8 | 0 | |
| S50 | 13846 | 5/10/2024 23:00 | 76.10 | 53.20 | 8.6 | 4 | 0 | |
| Saturday, May 11, 2024 | | | | | | | | |
| S50 | 13846 | 5/11/2024 0:00 | 66.00 | 53.64 | 7 | 5 | 0 | |
| S50 | 13846 | 5/11/2024 1:00 | 60.10 | 50.41 | 6.8 | 0 | 0 | |
| S50 | 13846 | 5/11/2024 2:00 | 82.80 | 52.02 | 3.5 | 0 | 0 | |
| S50 | 13846 | 5/11/2024 3:00 | 63.10 | 48.55 | 4 | 4 | 0 | |
| S50 | 13846 | 5/11/2024 4:00 | 59.60 | 47.62 | 3.6 | 5 | 0 | |
| S50 | 13846 | 5/11/2024 5:00 | 58.80 | 47.32 | 4.3 | 8 | 0 | |
| S50 | 13846 | 5/11/2024 6:00 | 53.10 | 47.29 | 6.4 | 8 | 0 | |
| S50 | 13846 | 5/11/2024 7:00 | 62.00 | 51.75 | 9.9 | 11 | 0 | |
| S50 | 13846 | 5/11/2024 8:00 | 66.20 | 52.86 | 12.3 | 17 | 0 | |
| S50 | 13846 | 5/11/2024 9:00 | 71.00 | 52.73 | 12.2 | 18 | 0 | |
| S50 | 13846 | 5/11/2024 10:00 | 70.80 | 54.08 | 12.4 | 26 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/11/2024 11:00 | 77.20 | 55.34 | 11.7 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/11/2024 12:00 | 70.90 | 56.87 | 12.2 | 28 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/11/2024 13:00 | 70.00 | 55.29 | 10.6 | 28 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/11/2024 14:00 | 66.10 | 52.61 | 10.7 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/11/2024 15:00 | 81.80 | 55.12 | 12 | 18 | 0 | |
| S50 | 13846 | 5/11/2024 16:00 | 62.10 | 50.43 | 11.2 | 11 | 0 | |
| S50 | 13846 | 5/11/2024 17:00 | 67.00 | 52.30 | 10.6 | 15 | 0 | |
| S50 | 13846 | 5/11/2024 18:00 | 60.10 | 52.22 | 10.6 | 15 | 0 | |
| S50 | 13846 | 5/11/2024 19:00 | 77.70 | 53.89 | 9.8 | 4 | 2.2 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/11/2024 20:00 | 62.10 | 50.37 | 9.5 | 8 | 0.8 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/11/2024 21:00 | 58.90 | 50.34 | 9.3 | 15 | 2.3 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/11/2024 22:00 | 77.40 | 51.70 | 8.8 | 13 | 3.8 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/11/2024 23:00 | 77.30 | 52.00 | 8.9 | 13 | 0 | |

Table D-2 Noise Level and Weather Data Measured for Sensor B

| Sensor Type | Serial No. | Date/Time MM/DD/YYYY HH:MM | L _{max} (dBA) | L _{eq} (dBA) | 1-hour Average Air Temperature (°C) | 1-hour Average Wind Speed (km/h) | 1-hour Cumulative Precipitation (mm) | Comments |
|------------------------------|------------|----------------------------|------------------------|-----------------------|-------------------------------------|----------------------------------|--------------------------------------|---|
| Sunday, May 12, 2024 | | | | | | | | |
| S50 | 13846 | 5/12/2024 0:00 | 68.70 | 54.17 | 9 | 9 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/12/2024 1:00 | 56.30 | 49.63 | 9 | 9 | 0 | |
| S50 | 13846 | 5/12/2024 2:00 | 55.20 | 48.31 | 8.8 | 13 | 0 | |
| S50 | 13846 | 5/12/2024 3:00 | 56.60 | 47.70 | 8.5 | 9 | 0 | |
| S50 | 13846 | 5/12/2024 4:00 | 58.30 | 47.30 | 7.8 | 5 | 0 | |
| S50 | 13846 | 5/12/2024 5:00 | 52.10 | 46.92 | 7.8 | 13 | 0 | |
| S50 | 13846 | 5/12/2024 6:00 | 52.30 | 47.12 | 7.9 | 11 | 0 | |
| S50 | 13846 | 5/12/2024 7:00 | 59.10 | 48.42 | 9.7 | 13 | 0 | |
| S50 | 13846 | 5/12/2024 8:00 | 59.80 | 48.26 | 10.7 | 18 | 0 | |
| S50 | 13846 | 5/12/2024 9:00 | 65.60 | 48.87 | 10.8 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/12/2024 10:00 | 65.60 | 50.29 | 12 | 15 | 0 | |
| S50 | 13846 | 5/12/2024 11:00 | 60.20 | 49.78 | 13.9 | 13 | 0 | |
| S50 | 13846 | 5/12/2024 12:00 | 62.80 | 49.93 | 14.1 | 11 | 0 | |
| S50 | 13846 | 5/12/2024 13:00 | 65.50 | 50.78 | 15.5 | 17 | 0 | |
| S50 | 13846 | 5/12/2024 14:00 | 69.00 | 51.47 | 16.3 | 8 | 0 | |
| S50 | 13846 | 5/12/2024 15:00 | 93.80 | 66.61 | 16.3 | 9 | 0 | Noise from site security speaker |
| S50 | 13846 | 5/12/2024 16:00 | 66.70 | 51.63 | 16.6 | 17 | 0 | |
| S50 | 13846 | 5/12/2024 17:00 | 67.00 | 53.00 | 17.1 | 18 | 0 | |
| S50 | 13846 | 5/12/2024 18:00 | 68.60 | 52.07 | 16 | 18 | 0 | |
| S50 | 13846 | 5/12/2024 19:00 | 69.00 | 51.85 | 15 | 15 | 0 | |
| S50 | 13846 | 5/12/2024 20:00 | 63.40 | 50.12 | 13.9 | 18 | 0 | |
| S50 | 13846 | 5/12/2024 21:00 | 70.20 | 51.96 | 12.5 | 17 | 0 | |
| S50 | 13846 | 5/12/2024 22:00 | 76.60 | 51.61 | 11.2 | 15 | 0 | |
| S50 | 13846 | 5/12/2024 23:00 | 76.20 | 51.50 | 9.8 | 11 | 0 | |
| Monday, May 13, 2024 | | | | | | | | |
| S50 | 13846 | 5/13/2024 0:00 | 78.00 | 57.50 | 9.4 | 13 | 0 | |
| S50 | 13846 | 5/13/2024 1:00 | 61.20 | 48.57 | 9.3 | 13 | 0 | |
| S50 | 13846 | 5/13/2024 2:00 | 52.30 | 47.20 | 9.5 | 11 | 0 | |
| S50 | 13846 | 5/13/2024 3:00 | 61.00 | 47.18 | 9.6 | 13 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/13/2024 4:00 | 94.00 | 66.71 | 9.6 | 11 | 0 | Noise from site security speaker |
| S50 | 13846 | 5/13/2024 5:00 | 83.10 | 58.40 | 10.4 | 18 | 0 | |
| S50 | 13846 | 5/13/2024 6:00 | 78.60 | 61.63 | 10.8 | 11 | 0 | |
| S50 | 13846 | 5/13/2024 7:00 | 69.00 | 61.99 | 11.6 | 0 | 0 | |
| S50 | 13846 | 5/13/2024 8:00 | 94.00 | 72.87 | 14.3 | 17 | 0 | Grinding Noise |
| S50 | 13846 | 5/13/2024 9:00 | 92.60 | 70.32 | 18 | 18 | 0 | Combination of hammering and grinding noise |
| S50 | 13846 | 5/13/2024 10:00 | 91.80 | 71.12 | 15.6 | 13 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/13/2024 11:00 | 87.20 | 73.09 | 17.8 | 17 | 0 | |
| S50 | 13846 | 5/13/2024 12:00 | 93.70 | 73.89 | 19.9 | 15 | 0 | Offloading noise (0.5 Sec) |
| S50 | 13846 | 5/13/2024 13:00 | 83.20 | 69.66 | 21.3 | 17 | 0 | |
| S50 | 13846 | 5/13/2024 14:00 | 92.00 | 77.10 | 21.8 | 26 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/13/2024 15:00 | 94.50 | 75.32 | 23 | 17 | 0 | Hammering Noise |
| S50 | 13846 | 5/13/2024 16:00 | 86.70 | 69.18 | 24.4 | 30 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/13/2024 17:00 | 77.00 | 59.60 | 23.3 | 34 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/13/2024 18:00 | 72.00 | 59.82 | 23 | 32 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/13/2024 19:00 | 80.60 | 66.70 | 21.8 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/13/2024 20:00 | 77.30 | 63.61 | 17.6 | 8 | 0 | |
| S50 | 13846 | 5/13/2024 21:00 | 65.10 | 51.19 | 15.8 | 0 | 0 | |
| S50 | 13846 | 5/13/2024 22:00 | 74.70 | 51.56 | 13.5 | 8 | 0 | |
| S50 | 13846 | 5/13/2024 23:00 | 76.00 | 50.90 | 13.4 | 5 | 0 | |
| Tuesday, May 14, 2024 | | | | | | | | |
| S50 | 13846 | 5/14/2024 0:00 | 73.10 | 49.05 | 13.8 | 0 | 0 | |
| S50 | 13846 | 5/14/2024 1:00 | 93.50 | 66.33 | 13 | 4 | 0 | Noise from site security speaker |
| S50 | 13846 | 5/14/2024 2:00 | 51.50 | 46.58 | 12.6 | 4 | 0 | |
| S50 | 13846 | 5/14/2024 3:00 | 58.60 | 46.69 | 12.8 | 4 | 0 | |
| S50 | 13846 | 5/14/2024 4:00 | 51.30 | 46.47 | 12.9 | 4 | 0 | |
| S50 | 13846 | 5/14/2024 5:00 | 54.20 | 46.79 | 13.3 | 0 | 0 | |
| S50 | 13846 | 5/14/2024 6:00 | 84.30 | 59.88 | 13.8 | 9 | 0 | |
| S50 | 13846 | 5/14/2024 7:00 | 78.40 | 67.94 | 14.8 | 5 | 0 | |
| S50 | 13846 | 5/14/2024 8:00 | 86.80 | 72.03 | 15.8 | 8 | 0 | |
| S50 | 13846 | 5/14/2024 9:00 | 92.60 | 74.25 | 16.6 | 8 | 0 | Hammering noise |
| S50 | 13846 | 5/14/2024 10:00 | 87.20 | 72.21 | 17.9 | 5 | 0 | |
| S50 | 13846 | 5/14/2024 11:00 | 88.00 | 70.99 | 18.3 | 13 | 0 | |
| S50 | 13846 | 5/14/2024 12:00 | 96.30 | 76.73 | 19.6 | 15 | 0 | Combination of Hammering and grinding noise |
| S50 | 13846 | 5/14/2024 13:00 | 86.40 | 69.41 | 19.4 | 13 | 0 | |
| S50 | 13846 | 5/14/2024 14:00 | 90.90 | 73.43 | 20.3 | 15 | 0 | Offloading noise (0.5 Sec) |
| S50 | 13846 | 5/14/2024 15:00 | 93.50 | 76.21 | 20 | 18 | 0 | Hammering noise |
| S50 | 13846 | 5/14/2024 16:00 | 88.70 | 68.32 | 20.2 | 15 | 0 | |
| S50 | 13846 | 5/14/2024 17:00 | 74.20 | 56.09 | 20 | 15 | 0 | |
| S50 | 13846 | 5/14/2024 18:00 | 64.70 | 53.30 | 18.5 | 13 | 0 | |
| S50 | 13846 | 5/14/2024 19:00 | 77.10 | 58.61 | 18 | 15 | 0 | |
| S50 | 13846 | 5/14/2024 20:00 | 74.40 | 59.33 | 15.8 | 13 | 0 | |
| S50 | 13846 | 5/14/2024 21:00 | 68.00 | 58.60 | 14 | 8 | 0 | |
| S50 | 13846 | 5/14/2024 22:00 | 76.80 | 58.66 | 12.7 | 5 | 0 | |
| S50 | 13846 | 5/14/2024 23:00 | 82.80 | 59.27 | 11.9 | 8 | 0 | |

Table D-2 Noise Level and Weather Data Measured for Sensor B

| Sensor Type | Serial No. | Date/Time MM/DD/YYYY HH:MM | L _{max} (dBA) | L _{eq} (dBA) | 1-hour Average Air Temperature (°C) | 1-hour Average Wind Speed (km/h) | 1-hour Cumulative Precipitation (mm) | Comments |
|--------------------------------|------------|----------------------------|------------------------|-----------------------|-------------------------------------|----------------------------------|--------------------------------------|----------------------------------|
| Wednesday, May 15, 2024 | | | | | | | | |
| S50 | 13846 | 5/15/2024 0:00 | 64.70 | 58.45 | 11.2 | 9 | 0 | |
| S50 | 13846 | 5/15/2024 1:00 | 66.50 | 58.82 | 11 | 5 | 0 | |
| S50 | 13846 | 5/15/2024 2:00 | 75.50 | 58.56 | 10.7 | 5 | 0 | |
| S50 | 13846 | 5/15/2024 3:00 | 62.00 | 58.43 | 9.7 | 4 | 0 | |
| S50 | 13846 | 5/15/2024 4:00 | 67.90 | 58.72 | 9.4 | 4 | 0 | |
| S50 | 13846 | 5/15/2024 5:00 | 59.70 | 58.67 | 10.6 | 5 | 0 | |
| S50 | 13846 | 5/15/2024 6:00 | 85.40 | 60.56 | 11.2 | 4 | 0 | |
| S50 | 13846 | 5/15/2024 7:00 | 88.10 | 67.72 | 13.4 | 11 | 0 | |
| S50 | 13846 | 5/15/2024 8:00 | 89.00 | 72.25 | 14.6 | 11 | 0 | |
| S50 | 13846 | 5/15/2024 9:00 | 97.80 | 71.95 | 15.8 | 15 | 0 | Offloading noise (1 Sec) |
| S50 | 13846 | 5/15/2024 10:00 | 89.70 | 71.90 | 17.1 | 15 | 0 | |
| S50 | 13846 | 5/15/2024 11:00 | 80.90 | 71.48 | 17.6 | 17 | 0 | |
| S50 | 13846 | 5/15/2024 12:00 | 84.90 | 71.15 | 19 | 18 | 0 | |
| S50 | 13846 | 5/15/2024 13:00 | 83.90 | 69.84 | 19 | 15 | 0 | |
| S50 | 13846 | 5/15/2024 14:00 | 89.20 | 72.11 | 20 | 15 | 0 | |
| S50 | 13846 | 5/15/2024 15:00 | 85.20 | 71.10 | 21.2 | 15 | 0 | |
| S50 | 13846 | 5/15/2024 16:00 | 83.10 | 62.64 | 20.1 | 17 | 0 | |
| S50 | 13846 | 5/15/2024 17:00 | 66.90 | 53.85 | 20.2 | 18 | 0 | |
| S50 | 13846 | 5/15/2024 18:00 | 63.50 | 53.76 | 19.4 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/15/2024 19:00 | 72.30 | 60.93 | 17.8 | 13 | 0 | |
| S50 | 13846 | 5/15/2024 20:00 | 79.00 | 55.00 | 15.4 | 8 | 0 | |
| S50 | 13846 | 5/15/2024 21:00 | 69.30 | 51.78 | 14.4 | 0 | 0 | |
| S50 | 13846 | 5/15/2024 22:00 | 75.90 | 51.52 | 12.4 | 4 | 0 | |
| S50 | 13846 | 5/15/2024 23:00 | 76.30 | 51.05 | 12.6 | 8 | 0 | |
| Thursday, May 16, 2024 | | | | | | | | |
| S50 | 13846 | 5/16/2024 0:00 | 66.60 | 50.43 | 11.6 | 8 | 0 | |
| S50 | 13846 | 5/16/2024 1:00 | 93.70 | 66.45 | 10 | 4 | 0 | Noise from site security speaker |
| S50 | 13846 | 5/16/2024 2:00 | 54.90 | 47.67 | 10.3 | 4 | 0 | |
| S50 | 13846 | 5/16/2024 3:00 | 61.10 | 47.53 | 9.5 | 5 | 0 | |
| S50 | 13846 | 5/16/2024 4:00 | 53.30 | 47.26 | 8 | 4 | 0 | |
| S50 | 13846 | 5/16/2024 5:00 | 61.70 | 47.80 | 8 | 4 | 0 | |
| S50 | 13846 | 5/16/2024 6:00 | 83.80 | 58.77 | 9.3 | 5 | 0 | |
| S50 | 13846 | 5/16/2024 7:00 | 81.70 | 65.97 | 13 | 5 | 0 | |
| S50 | 13846 | 5/16/2024 8:00 | 86.50 | 68.91 | 16.5 | 13 | 0 | |
| S50 | 13846 | 5/16/2024 9:00 | 84.90 | 72.02 | 18.1 | 4 | 0 | |
| S50 | 13846 | 5/16/2024 10:00 | 81.80 | 69.32 | 19.5 | 8 | 0 | |
| S50 | 13846 | 5/16/2024 11:00 | 85.90 | 70.64 | 20.4 | 4 | 0 | |
| S50 | 13846 | 5/16/2024 12:00 | 83.40 | 70.63 | 20.3 | 8 | 0 | |
| S50 | 13846 | 5/16/2024 13:00 | 84.80 | 66.57 | 21.1 | 4 | 0 | |
| S50 | 13846 | 5/16/2024 14:00 | 84.80 | 68.70 | 23 | 9 | 0 | |
| S50 | 13846 | 5/16/2024 15:00 | 91.00 | 68.00 | 22.9 | 9 | 0 | Offloading Noise (0.5 Sec) |
| S50 | 13846 | 5/16/2024 16:00 | 85.80 | 66.20 | 22.7 | 24 | 0 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/16/2024 17:00 | 77.00 | 59.59 | 21.7 | 15 | 0 | |
| S50 | 13846 | 5/16/2024 18:00 | 70.20 | 54.62 | 20.6 | 18 | 0 | |
| S50 | 13846 | 5/16/2024 19:00 | 71.60 | 61.74 | 17.9 | 13 | 0 | |
| S50 | 13846 | 5/16/2024 20:00 | 78.10 | 58.85 | 17 | 13 | 0 | |
| S50 | 13846 | 5/16/2024 21:00 | 71.20 | 52.64 | 16.1 | 8 | 0 | |
| S50 | 13846 | 5/16/2024 22:00 | 74.70 | 53.30 | 14.3 | 5 | 0 | |
| S50 | 13846 | 5/16/2024 23:00 | 75.40 | 52.95 | 13.1 | 5 | 0 | |
| Friday, May 17, 2024 | | | | | | | | |
| S50 | 13846 | 5/17/2024 0:00 | 72.60 | 52.33 | 12.9 | 9 | 0 | |
| S50 | 13846 | 5/17/2024 1:00 | 63.00 | 49.45 | 13.4 | 4 | 0 | |
| S50 | 13846 | 5/17/2024 2:00 | 65.70 | 50.25 | 12.2 | 0 | 0 | |
| S50 | 13846 | 5/17/2024 3:00 | 54.90 | 48.94 | 11.2 | 5 | 0 | |
| S50 | 13846 | 5/17/2024 4:00 | 51.70 | 49.01 | 11.3 | 4 | 0 | |
| S50 | 13846 | 5/17/2024 5:00 | 62.60 | 49.41 | 11.4 | 0 | 0 | |
| S50 | 13846 | 5/17/2024 6:00 | 83.30 | 59.76 | 12.7 | 0 | 0 | |
| S50 | 13846 | 5/17/2024 7:00 | 79.10 | 63.34 | 14.4 | 5 | 0 | |
| S50 | 13846 | 5/17/2024 8:00 | 93.50 | 69.00 | 15.1 | 5 | 0 | Offloading Noise (1 Sec) |
| S50 | 13846 | 5/17/2024 9:00 | 88.70 | 70.22 | 15.8 | 8 | 0 | |
| S50 | 13846 | 5/17/2024 10:00 | 85.20 | 66.80 | 16.1 | 4 | 0 | |
| S50 | 13846 | 5/17/2024 11:00 | 95.70 | 72.82 | 16 | 11 | 0.8 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/17/2024 12:00 | 89.60 | 70.30 | 15.9 | 8 | 1.2 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/17/2024 13:00 | 86.20 | 65.53 | 15.9 | 8 | 1.5 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/17/2024 14:00 | 83.50 | 72.34 | 16 | 22 | 1 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/17/2024 15:00 | 79.20 | 60.99 | 17.1 | 4 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 13846 | 5/17/2024 16:00 | 69.90 | 54.31 | 18.4 | 11 | 0 | |
| S50 | 13846 | 5/17/2024 17:00 | 65.00 | 53.01 | 17.9 | 11 | 0 | |
| S50 | 13846 | 5/17/2024 18:00 | 71.40 | 53.85 | 17.5 | 15 | 0 | |
| S50 | 13846 | 5/17/2024 19:00 | 71.10 | 60.26 | 16.3 | 15 | 0 | |
| S50 | 13846 | 5/17/2024 20:00 | 79.80 | 57.51 | 15.3 | 13 | 0 | |
| S50 | 13846 | 5/17/2024 21:00 | 67.80 | 52.65 | 15.2 | 11 | 0 | |
| S50 | 13846 | 5/17/2024 22:00 | 77.90 | 53.24 | 14.8 | 9 | 0 | |
| S50 | 13846 | 5/17/2024 23:00 | 77.90 | 52.98 | 13.6 | 11 | 0 | |
| S50 | 13846 | 5/17/2024 23:59 | 62.10 | 50.80 | 14.2 | 9 | 0 | |

Table D-3 Noise Level and Weather Data Measured for Sensor C

| Sensor Type | Serial No. | Date/Time MM/DD/YYYY HH:MM | L _{max} (dBA) | L _{eq} (dBA) | 1-hour Average Air Temperature (°C) | 1-hour Average Wind Speed (km/h) | 1-hour Cumulative Precipitation (mm) | Comments |
|------------------------------|------------|----------------------------------|------------------------|-----------------------|-------------------------------------|----------------------------------|--------------------------------------|----------------------------------|
| Friday, May 3, 2024 | | | | | | | | |
| S50 | 13649 | 5/3/2024 0:00 | | | 9.9 | 4 | 0 | |
| S50 | 13649 | 5/3/2024 1:00 | 64.7 | 50.9 | 7.8 | 5 | 0 | |
| S50 | 13649 | 5/3/2024 2:00 | 65.6 | 47.5 | 8.3 | 8 | 0 | |
| S50 | 13649 | 5/3/2024 3:00 | 53.4 | 46.7 | 9.3 | 13 | 0 | |
| S50 | 13649 | 5/3/2024 4:00 | 54.7 | 46.2 | 8.9 | 8 | 0 | |
| S50 | 13649 | 5/3/2024 5:00 | 56.5 | 47.4 | 8.6 | 5 | 0 | |
| S50 | 13649 | 5/3/2024 6:00 | 91 | 67 | 10.2 | 4 | 0 | Noise from train horn |
| S50 | 13649 | 5/3/2024 7:00 | 86.9 | 68.6 | 12.4 | 4 | 0 | Noise from train horn |
| S50 | 13649 | 5/3/2024 8:00 | 77.1 | 65.1 | 12.5 | 17 | 0 | |
| S50 | 13649 | 5/3/2024 9:00 | 80.9 | 66.5 | 13.9 | 9 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/3/2024 10:00 | 79.5 | 63.3 | 12.9 | 9 | 1.2 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/3/2024 11:00 | 86.7 | 68.72 | 13.1 | 17 | 1.5 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/3/2024 12:00 | 83.2 | 69.64 | 12.5 | 4 | 2.5 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/3/2024 13:00 | 82.6 | 62.88 | 13.1 | 17 | 1 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/3/2024 14:00 | 86.6 | 60.53 | 14.6 | 17 | 0 | Offloading Noise (1 Sec) |
| S50 | 13649 | 5/3/2024 15:00 | 75.1 | 59.76 | 14 | 9 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/3/2024 16:00 | 68.8 | 56.93 | 13.1 | 13 | 0.8 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/3/2024 17:00 | 74 | 57.00 | 12.6 | 11 | 0 | |
| S50 | 13649 | 5/3/2024 18:00 | 77.1 | 56.95 | 12.8 | 0 | 0.5 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/3/2024 19:00 | 65.4 | 54.87 | 12.4 | 8 | 0 | |
| S50 | 13649 | 5/3/2024 20:00 | 77.6 | 63.79 | 12.4 | 5 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/3/2024 21:00 | 72.2 | 53.41 | 12.2 | 4 | 0 | |
| S50 | 13649 | 5/3/2024 22:00 | 66.9 | 51.43 | 12 | 0 | 0 | |
| S50 | 13649 | 5/3/2024 23:00 | 75.9 | 52.71 | 11.2 | 8 | 0 | |
| Saturday, May 4, 2024 | | | | | | | | |
| S50 | 13649 | 5/4/2024 0:00 | 74.2 | 52.25 | 10.6 | 5 | 0 | |
| S50 | 13649 | 5/4/2024 1:00 | 65.7 | 50.27 | 10.8 | 11 | 0 | |
| S50 | 13649 | 5/4/2024 2:00 | 61 | 48.63 | 11.7 | 8 | 0 | |
| S50 | 13649 | 5/4/2024 3:00 | 64.7 | 47.15 | 10.4 | 5 | 0 | |
| S50 | 13649 | 5/4/2024 4:00 | 55.8 | 46.09 | 10.2 | 9 | 0 | |
| S50 | 13649 | 5/4/2024 5:00 | 53.4 | 46.64 | 11.6 | 8 | 0 | |
| S50 | 13649 | 5/4/2024 6:00 | 68.6 | 49.00 | 11.8 | 8 | 0 | |
| S50 | 13649 | 5/4/2024 7:00 | 63.4 | 50.52 | 13.3 | 13 | 0 | |
| S50 | 13649 | 5/4/2024 8:00 | 59.6 | 51.25 | 15.4 | 17 | 0 | |
| S50 | 13649 | 5/4/2024 9:00 | 68.8 | 53.30 | 17.6 | 17 | 0 | |
| S50 | 13649 | 5/4/2024 10:00 | 71.1 | 53.32 | 18.9 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/4/2024 11:00 | 70.5 | 52.62 | 19.5 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/4/2024 12:00 | 68.6 | 53.66 | 21.2 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/4/2024 13:00 | 76.1 | 55.49 | 20.6 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/4/2024 14:00 | 84.5 | 57.92 | 19.3 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/4/2024 15:00 | 82.5 | 55.73 | 20.6 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/4/2024 16:00 | 80.5 | 56.47 | 20.4 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/4/2024 17:00 | 69.5 | 52.96 | 20.1 | 17 | 0 | |
| S50 | 13649 | 5/4/2024 18:00 | 65.2 | 51.86 | 18 | 18 | 0 | |
| S50 | 13649 | 5/4/2024 19:00 | 80.2 | 55.37 | 17 | 24 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/4/2024 20:00 | 79 | 56.49 | 15.7 | 17 | 0 | |
| S50 | 13649 | 5/4/2024 21:00 | 66.6 | 52.60 | 14.5 | 15 | 0 | |
| S50 | 13649 | 5/4/2024 22:00 | 70.6 | 52.63 | 14 | 17 | 0 | |
| S50 | 13649 | 5/4/2024 23:00 | 79.8 | 52.22 | 13.1 | 15 | 0 | |
| Sunday, May 5, 2024 | | | | | | | | |
| S50 | 13649 | 5/5/2024 0:00 | 81.3 | 53.22 | 13.2 | 15 | 0 | |
| S50 | 13649 | 5/5/2024 1:00 | 77.3 | 51.42 | 12.9 | 15 | 0 | |
| S50 | 13649 | 5/5/2024 2:00 | 62.2 | 47.97 | 12.1 | 13 | 0.5 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/5/2024 3:00 | 64.2 | 47.84 | 11.5 | 13 | 0 | |
| S50 | 13649 | 5/5/2024 4:00 | 57.6 | 45.92 | 11.4 | 11 | 0 | |
| S50 | 13649 | 5/5/2024 5:00 | 58.6 | 49.11 | 11.4 | 13 | 0 | |
| S50 | 13649 | 5/5/2024 6:00 | 58.2 | 45.43 | 11.4 | 9 | 0 | |
| S50 | 13649 | 5/5/2024 7:00 | 66.4 | 50.83 | 11.7 | 9 | 0 | |
| S50 | 13649 | 5/5/2024 8:00 | 69 | 48.91 | 12.3 | 11 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/5/2024 9:00 | 57.4 | 48.24 | 13.2 | 8 | 0 | |
| S50 | 13649 | 5/5/2024 10:00 | 54.8 | 48.25 | 14.1 | 15 | 0 | |
| S50 | 13649 | 5/5/2024 11:00 | 68.6 | 58.16 | 15.9 | 11 | 0 | |
| S50 | 13649 | 5/5/2024 12:00 | 56.5 | 48.84 | 17.3 | 13 | 0 | |
| S50 | 13649 | 5/5/2024 13:00 | 68.4 | 57.07 | 18.2 | 13 | 0 | |
| S50 | 13649 | 5/5/2024 14:00 | 57.8 | 48.38 | 17.6 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/5/2024 15:00 | 66.3 | 48.77 | 17.2 | 15 | 0 | |
| S50 | 13649 | 5/5/2024 16:00 | 72.2 | 52.61 | 15.5 | 15 | 0 | |
| S50 | 13649 | 5/5/2024 17:00 | 63 | 49.16 | 15.6 | 11 | 0 | |
| S50 | 13649 | 5/5/2024 18:00 | 64.1 | 48.78 | 16.2 | 13 | 0 | |
| S50 | 13649 | 5/5/2024 19:00 | 69.1 | 50.05 | 14.6 | 11 | 0 | |
| S50 | 13649 | 5/5/2024 20:00 | 69.5 | 49.85 | 12.4 | 9 | 0 | |
| S50 | 13649 | 5/5/2024 21:00 | 70.9 | 49.05 | 11 | 11 | 0 | |
| S50 | 13649 | 5/5/2024 22:00 | 68.8 | 48.56 | 9.7 | 9 | 0 | |
| S50 | 13649 | 5/5/2024 23:00 | 54.1 | 46.24 | 9.5 | 8 | 0 | |

Table D-3 Noise Level and Weather Data Measured for Sensor C

| Sensor Type | Serial No. | Date/Time MM/DD/YYYY HH:MM | L _{max} (dBA) | L _{eq} (dBA) | 1-hour Average Air Temperature (°C) | 1-hour Average Wind Speed (km/h) | 1-hour Cumulative Precipitation (mm) | Comments |
|-------------------------------|------------|----------------------------------|------------------------|-----------------------|-------------------------------------|----------------------------------|--------------------------------------|------------------------------------|
| Monday, May 6, 2024 | | | | | | | | |
| S50 | 13649 | 5/6/2024 0:00 | 76.1 | 55.18 | 7.2 | 9 | 0 | |
| S50 | 13649 | 5/6/2024 1:00 | 61.5 | 46.99 | 7.2 | 9 | 0 | |
| S50 | 13649 | 5/6/2024 2:00 | 52.8 | 42.98 | 7.2 | 11 | 0 | |
| S50 | 13649 | 5/6/2024 3:00 | 54.1 | 42.89 | 7.2 | 8 | 0 | |
| S50 | 13649 | 5/6/2024 4:00 | 53.5 | 42.14 | 6.5 | 9 | 0 | |
| S50 | 13649 | 5/6/2024 5:00 | 72 | 62.14 | 6.3 | 5 | 0 | |
| S50 | 13649 | 5/6/2024 6:00 | 69.9 | 66.71 | 6.2 | 4 | 0 | |
| S50 | 13649 | 5/6/2024 7:00 | 75.5 | 66.80 | 9.3 | 11 | 0 | |
| S50 | 13649 | 5/6/2024 8:00 | 84.7 | 65.96 | 11 | 8 | 0 | |
| S50 | 13649 | 5/6/2024 9:00 | 79.3 | 66.21 | 12.6 | 9 | 0 | |
| S50 | 13649 | 5/6/2024 10:00 | 80.7 | 67.76 | 14.5 | 4 | 0 | |
| S50 | 13649 | 5/6/2024 11:00 | 89.9 | 72.93 | 16 | 17 | 0 | Grinding Noise - Concrete Chipping |
| S50 | 13649 | 5/6/2024 12:00 | 85.3 | 71.90 | 17.1 | 11 | 0 | Grinding Noise - Concrete Chipping |
| S50 | 13649 | 5/6/2024 13:00 | 86.4 | 69.20 | 17.6 | 9 | 0 | Grinding Noise - Concrete Chipping |
| S50 | 13649 | 5/6/2024 14:00 | 80.3 | 67.80 | 18.3 | 8 | 0 | |
| S50 | 13649 | 5/6/2024 15:00 | 81.8 | 68.36 | 18.4 | 11 | 0 | |
| S50 | 13649 | 5/6/2024 16:00 | 92.1 | 78.11 | 18.1 | 9 | 0 | Grinding Noise - Concrete Chipping |
| S50 | 13649 | 5/6/2024 17:00 | 67.2 | 51.01 | 17.9 | 9 | 0 | |
| S50 | 13649 | 5/6/2024 18:00 | 68.2 | 49.84 | 17.6 | 13 | 0 | |
| S50 | 13649 | 5/6/2024 19:00 | 69.9 | 65.38 | 16.2 | 9 | 0 | |
| S50 | 13649 | 5/6/2024 20:00 | 72.3 | 64.26 | 12.5 | 5 | 0 | |
| S50 | 13649 | 5/6/2024 21:00 | 65.1 | 50.66 | 9.7 | 0 | 0 | |
| S50 | 13649 | 5/6/2024 22:00 | 66.9 | 51.57 | 7.9 | 5 | 0 | |
| S50 | 13649 | 5/6/2024 23:00 | 60.5 | 48.41 | 6.2 | 5 | 0 | |
| Tuesday, May 7, 2024 | | | | | | | | |
| S50 | 13649 | 5/7/2024 0:00 | 58.2 | 48.14 | 5.1 | 0 | 0 | |
| S50 | 13649 | 5/7/2024 1:00 | 73 | 54.50 | 5.3 | 0 | 0 | |
| S50 | 13649 | 5/7/2024 2:00 | 55 | 45.41 | 4.6 | 5 | 0 | |
| S50 | 13649 | 5/7/2024 3:00 | 60.2 | 46.39 | 3.4 | 4 | 0 | |
| S50 | 13649 | 5/7/2024 4:00 | 56.2 | 47.22 | 4 | 8 | 0 | |
| S50 | 13649 | 5/7/2024 5:00 | 80.9 | 61.04 | 3.1 | 8 | 0 | |
| S50 | 13649 | 5/7/2024 6:00 | 75 | 68.35 | 3.4 | 5 | 0 | |
| S50 | 13649 | 5/7/2024 7:00 | 83.1 | 69.44 | 9.1 | 0 | 0 | |
| S50 | 13649 | 5/7/2024 8:00 | 83.2 | 70.10 | 13.1 | 9 | 0 | |
| S50 | 13649 | 5/7/2024 9:00 | 87.3 | 68.24 | 16.5 | 17 | 0 | Grinding Noise |
| S50 | 13649 | 5/7/2024 10:00 | 82.9 | 62.29 | 18.2 | 13 | 0 | |
| S50 | 13649 | 5/7/2024 11:00 | 83.1 | 67.07 | 19 | 11 | 0 | |
| S50 | 13649 | 5/7/2024 12:00 | 79.1 | 67.05 | 19.6 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/7/2024 13:00 | 82.7 | 64.56 | 20.5 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/7/2024 14:00 | 81.5 | 66.18 | 20.2 | 18 | 0 | |
| S50 | 13649 | 5/7/2024 15:00 | 91.5 | 67.54 | 20.3 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/7/2024 16:00 | 76.9 | 65.52 | 19.7 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/7/2024 17:00 | 77.2 | 62.87 | 18.5 | 13 | 0 | |
| S50 | 13649 | 5/7/2024 18:00 | 64.9 | 52.44 | 17.3 | 15 | 0 | |
| S50 | 13649 | 5/7/2024 19:00 | 71.5 | 68.06 | 16 | 13 | 0 | |
| S50 | 13649 | 5/7/2024 20:00 | 81.7 | 63.27 | 15.1 | 15 | 0 | |
| S50 | 13649 | 5/7/2024 21:00 | 75 | 52.27 | 11.6 | 15 | 4.1 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/7/2024 22:00 | 66.8 | 53.58 | 10.4 | 9 | 12.2 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/7/2024 23:00 | 69.2 | 53.93 | 9.9 | 9 | 3.2 | Adverse Weather (Data not valid) |
| Wednesday, May 8, 2024 | | | | | | | | |
| S50 | 13649 | 5/8/2024 0:00 | 73.8 | 57.18 | 9.8 | 21 | 7.3 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/8/2024 1:00 | 73.1 | 55.55 | 9.6 | 11 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/8/2024 2:00 | 57.4 | 48.91 | 10.4 | 9 | 0 | |
| S50 | 13649 | 5/8/2024 3:00 | 58.7 | 47.99 | 10.6 | 4 | 0 | |
| S50 | 13649 | 5/8/2024 4:00 | 63.9 | 46.80 | 10.9 | 5 | 0 | |
| S50 | 13649 | 5/8/2024 5:00 | 77.1 | 59.80 | 11.3 | 8 | 0 | |
| S50 | 13649 | 5/8/2024 6:00 | 80.7 | 69.87 | 11.4 | 9 | 0 | |
| S50 | 13649 | 5/8/2024 7:00 | 84.2 | 71.26 | 14.7 | 24 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/8/2024 8:00 | 79.7 | 69.07 | 16.5 | 30 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/8/2024 9:00 | 92.7 | 69.74 | 17.3 | 46 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/8/2024 10:00 | 83.1 | 65.63 | 18.3 | 43 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/8/2024 11:00 | 87.1 | 68.58 | 18.9 | 43 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/8/2024 12:00 | 83.9 | 70.20 | 19.1 | 43 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/8/2024 13:00 | 81 | 65.07 | 15.7 | 37 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/8/2024 14:00 | 81.3 | 66.21 | 15.6 | 35 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/8/2024 15:00 | 87.4 | 67.05 | 15.2 | 37 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/8/2024 16:00 | 87 | 58.26 | 15.1 | 41 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/8/2024 17:00 | 65.8 | 51.92 | 13.5 | 32 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/8/2024 18:00 | 66.5 | 50.35 | 13.1 | 24 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/8/2024 19:00 | 69.2 | 64.03 | 11.6 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/8/2024 20:00 | 75.5 | 58.41 | 10.5 | 13 | 0 | |
| S50 | 13649 | 5/8/2024 21:00 | 66.7 | 49.90 | 10 | 9 | 0 | |
| S50 | 13649 | 5/8/2024 22:00 | 67.3 | 50.96 | 9.2 | 4 | 0 | |
| S50 | 13649 | 5/8/2024 23:00 | 76.3 | 55.94 | 7.5 | 9 | 0 | |

Table D-3 Noise Level and Weather Data Measured for Sensor C

| Sensor Type | Serial No. | Date/Time MM/DD/YYYY HH:MM | L _{max} (dBA) | L _{eq} (dBA) | 1-hour Average Air Temperature (°C) | 1-hour Average Wind Speed (km/h) | 1-hour Cumulative Precipitation (mm) | Comments |
|-------------------------------|------------|----------------------------|------------------------|-----------------------|-------------------------------------|----------------------------------|--------------------------------------|--|
| Thursday, May 9, 2024 | | | | | | | | |
| S50 | 13649 | 5/9/2024 0:00 | 76.8 | 56.53 | 6.9 | 0 | 0 | |
| S50 | 13649 | 5/9/2024 1:00 | 56.1 | 47.35 | 5.9 | 4 | 0 | |
| S50 | 13649 | 5/9/2024 2:00 | 55 | 45.64 | 6.8 | 9 | 0 | |
| S50 | 13649 | 5/9/2024 3:00 | 54.2 | 46.16 | 6.8 | 11 | 0 | |
| S50 | 13649 | 5/9/2024 4:00 | 52.9 | 45.55 | 6 | 4 | 0 | |
| S50 | 13649 | 5/9/2024 5:00 | 55.9 | 47.66 | 5.2 | 4 | 0 | |
| S50 | 13649 | 5/9/2024 6:00 | 79.5 | 66.94 | 6.7 | 4 | 0 | |
| S50 | 13649 | 5/9/2024 7:00 | 80.4 | 67.91 | 9.5 | 9 | 0 | |
| S50 | 13649 | 5/9/2024 8:00 | 81.7 | 67.04 | 11.9 | 11 | 0 | |
| S50 | 13649 | 5/9/2024 9:00 | 84.8 | 68.40 | 13.6 | 17 | 0 | |
| S50 | 13649 | 5/9/2024 10:00 | 79.2 | 64.83 | 15.1 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/9/2024 11:00 | 80.6 | 68.10 | 15.4 | 13 | 0 | |
| S50 | 13649 | 5/9/2024 12:00 | 84.7 | 67.60 | 16.3 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/9/2024 13:00 | 79.6 | 66.38 | 15.6 | 11 | 0 | |
| S50 | 13649 | 5/9/2024 14:00 | 85.2 | 70.55 | 15.3 | 11 | 0 | Combination of Machinery and hammering noise |
| S50 | 13649 | 5/9/2024 15:00 | 80.4 | 69.35 | 14.2 | 13 | 0 | |
| S50 | 13649 | 5/9/2024 16:00 | 84.1 | 64.66 | 13.8 | 13 | 0 | |
| S50 | 13649 | 5/9/2024 17:00 | 71.3 | 54.02 | 13.3 | 13 | 0 | |
| S50 | 13649 | 5/9/2024 18:00 | 71.4 | 54.60 | 12.1 | 9 | 0 | |
| S50 | 13649 | 5/9/2024 19:00 | 72.9 | 66.02 | 11 | 5 | 0 | |
| S50 | 13649 | 5/9/2024 20:00 | 77.5 | 60.32 | 11.1 | 5 | 0 | |
| S50 | 13649 | 5/9/2024 21:00 | 69.8 | 51.63 | 10.7 | 5 | 0 | |
| S50 | 13649 | 5/9/2024 22:00 | 72.7 | 50.68 | 9.1 | 5 | 0 | |
| S50 | 13649 | 5/9/2024 23:00 | 69.8 | 51.36 | 9.2 | 4 | 0 | |
| Friday, May 10, 2024 | | | | | | | | |
| S50 | 13649 | 5/10/2024 0:00 | 93.8 | 60.19 | 9.6 | 8 | 0 | Noise from train horn |
| S50 | 13649 | 5/10/2024 1:00 | 58.4 | 45.37 | 8.9 | 8 | 0 | |
| S50 | 13649 | 5/10/2024 2:00 | 61.3 | 47.24 | 8.7 | 11 | 0 | |
| S50 | 13649 | 5/10/2024 3:00 | 54.7 | 44.86 | 8.1 | 5 | 0 | |
| S50 | 13649 | 5/10/2024 4:00 | 53.1 | 46.00 | 5.6 | 5 | 0 | |
| S50 | 13649 | 5/10/2024 5:00 | 67.2 | 50.92 | 4.4 | 4 | 0 | |
| S50 | 13649 | 5/10/2024 6:00 | 76.3 | 67.42 | 7.4 | 4 | 0 | |
| S50 | 13649 | 5/10/2024 7:00 | 78.5 | 67.84 | 9.1 | 8 | 0 | |
| S50 | 13649 | 5/10/2024 8:00 | 76.8 | 65.37 | 10 | 5 | 0 | |
| S50 | 13649 | 5/10/2024 9:00 | 80.9 | 62.86 | 11.3 | 4 | 0 | |
| S50 | 13649 | 5/10/2024 10:00 | 73.8 | 61.52 | 12.5 | 11 | 0 | |
| S50 | 13649 | 5/10/2024 11:00 | 80 | 64.72 | 13.7 | 13 | 0 | |
| S50 | 13649 | 5/10/2024 12:00 | 82 | 65.40 | 15.4 | 4 | 0 | |
| S50 | 13649 | 5/10/2024 13:00 | 92.8 | 66.62 | 14.3 | 9 | 0 | Noise from train horn |
| S50 | 13649 | 5/10/2024 14:00 | 82.5 | 68.80 | 14.3 | 11 | 0 | |
| S50 | 13649 | 5/10/2024 15:00 | 82 | 64.54 | 15.3 | 9 | 0 | |
| S50 | 13649 | 5/10/2024 16:00 | 84.6 | 60.07 | 13.5 | 24 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/10/2024 17:00 | 70.2 | 55.32 | 14.9 | 11 | 0 | |
| S50 | 13649 | 5/10/2024 18:00 | 69 | 55.51 | 14.2 | 9 | 0 | |
| S50 | 13649 | 5/10/2024 19:00 | 72.8 | 66.68 | 13 | 9 | 0 | |
| S50 | 13649 | 5/10/2024 20:00 | 78.8 | 61.92 | 10.3 | 9 | 0 | |
| S50 | 13649 | 5/10/2024 21:00 | 70.3 | 51.21 | 10.8 | 9 | 0 | |
| S50 | 13649 | 5/10/2024 22:00 | 67.3 | 50.13 | 11 | 8 | 0 | |
| S50 | 13649 | 5/10/2024 23:00 | 81.3 | 52.95 | 8.6 | 4 | 0 | |
| Saturday, May 11, 2024 | | | | | | | | |
| S50 | 13649 | 5/11/2024 0:00 | 70.9 | 54.13 | 7 | 5 | 0 | |
| S50 | 13649 | 5/11/2024 1:00 | 62.7 | 47.58 | 6.8 | 0 | 0 | |
| S50 | 13649 | 5/11/2024 2:00 | 75.2 | 48.58 | 3.5 | 0 | 0 | |
| S50 | 13649 | 5/11/2024 3:00 | 67.7 | 48.58 | 4 | 4 | 0 | |
| S50 | 13649 | 5/11/2024 4:00 | 63 | 47.06 | 3.6 | 5 | 0 | |
| S50 | 13649 | 5/11/2024 5:00 | 54.4 | 44.71 | 4.3 | 8 | 0 | |
| S50 | 13649 | 5/11/2024 6:00 | 56.4 | 47.27 | 6.4 | 8 | 0 | |
| S50 | 13649 | 5/11/2024 7:00 | 62.2 | 52.49 | 9.9 | 11 | 0 | |
| S50 | 13649 | 5/11/2024 8:00 | 67.6 | 53.22 | 12.3 | 17 | 0 | |
| S50 | 13649 | 5/11/2024 9:00 | 67.4 | 53.00 | 12.2 | 18 | 0 | |
| S50 | 13649 | 5/11/2024 10:00 | 72.1 | 56.23 | 12.4 | 26 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/11/2024 11:00 | 68.4 | 54.95 | 11.7 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/11/2024 12:00 | 72.1 | 57.30 | 12.2 | 28 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/11/2024 13:00 | 68.7 | 52.92 | 10.6 | 28 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/11/2024 14:00 | 63.7 | 52.40 | 10.7 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/11/2024 15:00 | 80.1 | 55.02 | 12 | 18 | 0 | |
| S50 | 13649 | 5/11/2024 16:00 | 65.9 | 51.29 | 11.2 | 11 | 0 | |
| S50 | 13649 | 5/11/2024 17:00 | 59.4 | 51.70 | 10.6 | 15 | 0 | |
| S50 | 13649 | 5/11/2024 18:00 | 62.3 | 52.26 | 10.6 | 15 | 0 | |
| S50 | 13649 | 5/11/2024 19:00 | 79.5 | 55.49 | 9.8 | 4 | 2.2 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/11/2024 20:00 | 60.3 | 51.46 | 9.5 | 8 | 0.8 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/11/2024 21:00 | 65.4 | 51.71 | 9.3 | 15 | 2.3 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/11/2024 22:00 | 64.1 | 50.87 | 8.8 | 13 | 3.8 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/11/2024 23:00 | 67.4 | 51.30 | 8.9 | 13 | 0 | |

Table D-3 Noise Level and Weather Data Measured for Sensor C

| Sensor Type | Serial No. | Date/Time MM/DD/YYYY HH:MM | L _{max} (dBA) | L _{eq} (dBA) | 1-hour Average Air Temperature (°C) | 1-hour Average Wind Speed (km/h) | 1-hour Cumulative Precipitation (mm) | Comments |
|------------------------------|------------|----------------------------|------------------------|-----------------------|-------------------------------------|----------------------------------|--------------------------------------|----------------------------------|
| Sunday, May 12, 2024 | | | | | | | | |
| S50 | 13649 | 5/12/2024 0:00 | 64.1 | 52.12 | 9 | 9 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/12/2024 1:00 | 56.4 | 48.97 | 9 | 9 | 0 | |
| S50 | 13649 | 5/12/2024 2:00 | 57.5 | 46.93 | 8.8 | 13 | 0 | |
| S50 | 13649 | 5/12/2024 3:00 | 59.8 | 45.49 | 8.5 | 9 | 0 | |
| S50 | 13649 | 5/12/2024 4:00 | 61 | 44.70 | 7.8 | 5 | 0 | |
| S50 | 13649 | 5/12/2024 5:00 | 55.3 | 43.07 | 7.8 | 13 | 0 | |
| S50 | 13649 | 5/12/2024 6:00 | 52.9 | 43.33 | 7.9 | 11 | 0 | |
| S50 | 13649 | 5/12/2024 7:00 | 62.5 | 46.60 | 9.7 | 13 | 0 | |
| S50 | 13649 | 5/12/2024 8:00 | 58.7 | 46.20 | 10.7 | 18 | 0 | |
| S50 | 13649 | 5/12/2024 9:00 | 69.9 | 47.73 | 10.8 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/12/2024 10:00 | 68.9 | 49.51 | 12 | 15 | 0 | |
| S50 | 13649 | 5/12/2024 11:00 | 57.5 | 48.16 | 13.9 | 13 | 0 | |
| S50 | 13649 | 5/12/2024 12:00 | 63.5 | 48.52 | 14.1 | 11 | 0 | |
| S50 | 13649 | 5/12/2024 13:00 | 70.1 | 51.71 | 15.5 | 17 | 0 | |
| S50 | 13649 | 5/12/2024 14:00 | 68.8 | 50.26 | 16.3 | 8 | 0 | |
| S50 | 13649 | 5/12/2024 15:00 | 69.8 | 50.34 | 16.3 | 9 | 0 | |
| S50 | 13649 | 5/12/2024 16:00 | 74.6 | 50.71 | 16.6 | 17 | 0 | |
| S50 | 13649 | 5/12/2024 17:00 | 73.2 | 53.29 | 17.1 | 18 | 0 | |
| S50 | 13649 | 5/12/2024 18:00 | 64.1 | 49.71 | 16 | 18 | 0 | |
| S50 | 13649 | 5/12/2024 19:00 | 66.2 | 49.90 | 15 | 15 | 0 | |
| S50 | 13649 | 5/12/2024 20:00 | 61.3 | 48.19 | 13.9 | 18 | 0 | |
| S50 | 13649 | 5/12/2024 21:00 | 66 | 49.25 | 12.5 | 17 | 0 | |
| S50 | 13649 | 5/12/2024 22:00 | 68 | 48.61 | 11.2 | 15 | 0 | |
| S50 | 13649 | 5/12/2024 23:00 | 65.2 | 48.87 | 9.8 | 11 | 0 | |
| Monday, May 13, 2024 | | | | | | | | |
| S50 | 13649 | 5/13/2024 0:00 | 80.6 | 60.65 | 9.4 | 13 | 0 | |
| S50 | 13649 | 5/13/2024 1:00 | 66.5 | 48.59 | 9.3 | 13 | 0 | |
| S50 | 13649 | 5/13/2024 2:00 | 54 | 45.52 | 9.5 | 11 | 0 | |
| S50 | 13649 | 5/13/2024 3:00 | 64.1 | 44.98 | 9.6 | 13 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/13/2024 4:00 | 68.9 | 48.12 | 9.6 | 11 | 0 | |
| S50 | 13649 | 5/13/2024 5:00 | 89 | 63.40 | 10.4 | 18 | 0 | Noise from train horn |
| S50 | 13649 | 5/13/2024 6:00 | 84.1 | 68.32 | 10.8 | 11 | 0 | |
| S50 | 13649 | 5/13/2024 7:00 | 78.7 | 69.12 | 11.6 | 0 | 0 | |
| S50 | 13649 | 5/13/2024 8:00 | 83.6 | 70.44 | 14.3 | 17 | 0 | |
| S50 | 13649 | 5/13/2024 9:00 | 79.3 | 64.69 | 18 | 18 | 0 | |
| S50 | 13649 | 5/13/2024 10:00 | 76.6 | 61.41 | 15.6 | 13 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/13/2024 11:00 | 78 | 65.64 | 17.8 | 17 | 0 | |
| S50 | 13649 | 5/13/2024 12:00 | 81.1 | 65.96 | 19.9 | 15 | 0 | |
| S50 | 13649 | 5/13/2024 13:00 | 77.8 | 63.01 | 21.3 | 17 | 0 | |
| S50 | 13649 | 5/13/2024 14:00 | 79.5 | 65.72 | 21.8 | 26 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/13/2024 15:00 | 80.4 | 67.47 | 23 | 17 | 0 | |
| S50 | 13649 | 5/13/2024 16:00 | 82.6 | 63.49 | 24.4 | 30 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/13/2024 17:00 | 72.5 | 55.43 | 23.3 | 34 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/13/2024 18:00 | 69 | 52.82 | 23 | 32 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/13/2024 19:00 | 74 | 66.98 | 21.8 | 22 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/13/2024 20:00 | 77.8 | 65.91 | 17.6 | 8 | 0 | |
| S50 | 13649 | 5/13/2024 21:00 | 66.7 | 50.54 | 15.8 | 0 | 0 | |
| S50 | 13649 | 5/13/2024 22:00 | 70.1 | 51.95 | 13.5 | 8 | 0 | |
| S50 | 13649 | 5/13/2024 23:00 | 66.9 | 48.72 | 13.4 | 5 | 0 | |
| Tuesday, May 14, 2024 | | | | | | | | |
| S50 | 13649 | 5/14/2024 0:00 | 77.6 | 49.17 | 13.8 | 0 | 0 | |
| S50 | 13649 | 5/14/2024 1:00 | 68.5 | 49.37 | 13 | 4 | 0 | |
| S50 | 13649 | 5/14/2024 2:00 | 55.5 | 44.47 | 12.6 | 4 | 0 | |
| S50 | 13649 | 5/14/2024 3:00 | 61 | 44.34 | 12.8 | 4 | 0 | |
| S50 | 13649 | 5/14/2024 4:00 | 53.2 | 44.13 | 12.9 | 4 | 0 | |
| S50 | 13649 | 5/14/2024 5:00 | 54.2 | 44.88 | 13.3 | 0 | 0 | |
| S50 | 13649 | 5/14/2024 6:00 | 92 | 67.10 | 13.8 | 9 | 0 | Noise from train horn |
| S50 | 13649 | 5/14/2024 7:00 | 78.3 | 69.05 | 14.8 | 5 | 0 | |
| S50 | 13649 | 5/14/2024 8:00 | 82.3 | 70.14 | 15.8 | 8 | 0 | |
| S50 | 13649 | 5/14/2024 9:00 | 81.7 | 69.48 | 16.6 | 8 | 0 | |
| S50 | 13649 | 5/14/2024 10:00 | 86 | 65.17 | 17.9 | 5 | 0 | Hammering Noise (2 sec) |
| S50 | 13649 | 5/14/2024 11:00 | 79.4 | 63.87 | 18.3 | 13 | 0 | |
| S50 | 13649 | 5/14/2024 12:00 | 83.1 | 68.13 | 19.6 | 15 | 0 | |
| S50 | 13649 | 5/14/2024 13:00 | 78.8 | 63.57 | 19.4 | 13 | 0 | |
| S50 | 13649 | 5/14/2024 14:00 | 85.8 | 66.36 | 20.3 | 15 | 0 | |
| S50 | 13649 | 5/14/2024 15:00 | 81.8 | 67.07 | 20 | 18 | 0 | |
| S50 | 13649 | 5/14/2024 16:00 | 76 | 63.47 | 20.2 | 15 | 0 | |
| S50 | 13649 | 5/14/2024 17:00 | 69.8 | 53.84 | 20 | 15 | 0 | |
| S50 | 13649 | 5/14/2024 18:00 | 65.3 | 52.13 | 18.5 | 13 | 0 | |
| S50 | 13649 | 5/14/2024 19:00 | 70.8 | 64.31 | 18 | 15 | 0 | |
| S50 | 13649 | 5/14/2024 20:00 | 81.1 | 65.87 | 15.8 | 13 | 0 | |
| S50 | 13649 | 5/14/2024 21:00 | 72 | 65.24 | 14 | 8 | 0 | |
| S50 | 13649 | 5/14/2024 22:00 | 69.4 | 64.98 | 12.7 | 5 | 0 | |
| S50 | 13649 | 5/14/2024 23:00 | 75.8 | 65.06 | 11.9 | 8 | 0 | |

Table D-3 Noise Level and Weather Data Measured for Sensor C

| Sensor Type | Serial No. | Date/Time MM/DD/YYYY HH:MM | L _{max} (dBA) | L _{eq} (dBA) | 1-hour Average Air Temperature (°C) | 1-hour Average Wind Speed (km/h) | 1-hour Cumulative Precipitation (mm) | Comments |
|--------------------------------|------------|----------------------------------|------------------------|-----------------------|-------------------------------------|----------------------------------|--------------------------------------|---|
| Wednesday, May 15, 2024 | | | | | | | | |
| S50 | 13649 | 5/15/2024 0:00 | 67 | 65.00 | 11.2 | 9 | 0 | |
| S50 | 13649 | 5/15/2024 1:00 | 71.8 | 65.38 | 11 | 5 | 0 | |
| S50 | 13649 | 5/15/2024 2:00 | 71.2 | 65.08 | 10.7 | 5 | 0 | |
| S50 | 13649 | 5/15/2024 3:00 | 67.6 | 65.13 | 9.7 | 4 | 0 | |
| S50 | 13649 | 5/15/2024 4:00 | 69 | 65.07 | 9.4 | 4 | 0 | |
| S50 | 13649 | 5/15/2024 5:00 | 67.4 | 65.11 | 10.6 | 5 | 0 | |
| S50 | 13649 | 5/15/2024 6:00 | 92.5 | 67.29 | 11.2 | 4 | 0 | Noise from train horn |
| S50 | 13649 | 5/15/2024 7:00 | 78.8 | 70.12 | 13.4 | 11 | 0 | |
| S50 | 13649 | 5/15/2024 8:00 | 73.1 | 64.39 | 14.6 | 11 | 0 | |
| S50 | 13649 | 5/15/2024 9:00 | 82.1 | 66.52 | 15.8 | 15 | 0 | |
| S50 | 13649 | 5/15/2024 10:00 | 80.5 | 66.52 | 17.1 | 15 | 0 | |
| S50 | 13649 | 5/15/2024 11:00 | 78.8 | 68.14 | 17.6 | 17 | 0 | |
| S50 | 13649 | 5/15/2024 12:00 | 79 | 69.54 | 19 | 18 | 0 | |
| S50 | 13649 | 5/15/2024 13:00 | 86.8 | 68.14 | 19 | 15 | 0 | Combination of Hammering and grinding noise |
| S50 | 13649 | 5/15/2024 14:00 | 89.1 | 68.55 | 20 | 15 | 0 | Grinding noise |
| S50 | 13649 | 5/15/2024 15:00 | 91.3 | 69.45 | 21.2 | 15 | 0 | Offloading Noises |
| S50 | 13649 | 5/15/2024 16:00 | 81.7 | 63.55 | 20.1 | 17 | 0 | |
| S50 | 13649 | 5/15/2024 17:00 | 76.4 | 56.16 | 20.2 | 18 | 0 | |
| S50 | 13649 | 5/15/2024 18:00 | 72.9 | 57.35 | 19.4 | 21 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/15/2024 19:00 | 73.1 | 66.49 | 17.8 | 13 | 0 | |
| S50 | 13649 | 5/15/2024 20:00 | 85.9 | 59.01 | 15.4 | 8 | 0 | |
| S50 | 13649 | 5/15/2024 21:00 | 70.1 | 53.21 | 14.4 | 0 | 0 | |
| S50 | 13649 | 5/15/2024 22:00 | 66 | 51.39 | 12.4 | 4 | 0 | |
| S50 | 13649 | 5/15/2024 23:00 | 69.5 | 49.66 | 12.6 | 8 | 0 | |
| Thursday, May 16, 2024 | | | | | | | | |
| S50 | 13649 | 5/16/2024 0:00 | 71 | 51.63 | 11.6 | 8 | 0 | |
| S50 | 13649 | 5/16/2024 1:00 | 71.6 | 53.32 | 10 | 4 | 0 | |
| S50 | 13649 | 5/16/2024 2:00 | 64.7 | 47.08 | 10.3 | 4 | 0 | |
| S50 | 13649 | 5/16/2024 3:00 | 61.6 | 46.93 | 9.5 | 5 | 0 | |
| S50 | 13649 | 5/16/2024 4:00 | 52 | 44.07 | 8 | 4 | 0 | |
| S50 | 13649 | 5/16/2024 5:00 | 53.7 | 45.53 | 8 | 4 | 0 | |
| S50 | 13649 | 5/16/2024 6:00 | 90.5 | 64.70 | 9.3 | 5 | 0 | Noise from train horn |
| S50 | 13649 | 5/16/2024 7:00 | 78.5 | 68.85 | 13 | 5 | 0 | |
| S50 | 13649 | 5/16/2024 8:00 | 79.1 | 67.14 | 16.5 | 13 | 0 | |
| S50 | 13649 | 5/16/2024 9:00 | 84.4 | 66.61 | 18.1 | 4 | 0 | |
| S50 | 13649 | 5/16/2024 10:00 | 78.8 | 63.23 | 19.5 | 8 | 0 | |
| S50 | 13649 | 5/16/2024 11:00 | 79.8 | 65.04 | 20.4 | 4 | 0 | |
| S50 | 13649 | 5/16/2024 12:00 | 77.9 | 64.30 | 20.3 | 8 | 0 | |
| S50 | 13649 | 5/16/2024 13:00 | 75.9 | 62.24 | 21.1 | 4 | 0 | |
| S50 | 13649 | 5/16/2024 14:00 | 80.2 | 64.50 | 23 | 9 | 0 | |
| S50 | 13649 | 5/16/2024 15:00 | 83.7 | 65.75 | 22.9 | 9 | 0 | |
| S50 | 13649 | 5/16/2024 16:00 | 80.7 | 64.33 | 22.7 | 24 | 0 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/16/2024 17:00 | 73.9 | 59.15 | 21.7 | 15 | 0 | |
| S50 | 13649 | 5/16/2024 18:00 | 73.3 | 55.40 | 20.6 | 18 | 0 | |
| S50 | 13649 | 5/16/2024 19:00 | 74.6 | 69.30 | 17.9 | 13 | 0 | |
| S50 | 13649 | 5/16/2024 20:00 | 82.9 | 65.00 | 17 | 13 | 0 | |
| S50 | 13649 | 5/16/2024 21:00 | 74 | 53.59 | 16.1 | 8 | 0 | |
| S50 | 13649 | 5/16/2024 22:00 | 78.3 | 54.82 | 14.3 | 5 | 0 | |
| S50 | 13649 | 5/16/2024 23:00 | 70.5 | 53.29 | 13.1 | 5 | 0 | |
| Friday, May 17, 2024 | | | | | | | | |
| S50 | 13649 | 5/17/2024 0:00 | 74.9 | 52.19 | 12.9 | 9 | 0 | |
| S50 | 13649 | 5/17/2024 1:00 | 58 | 47.89 | 13.4 | 4 | 0 | |
| S50 | 13649 | 5/17/2024 2:00 | 64.1 | 50.31 | 12.2 | 0 | 0 | |
| S50 | 13649 | 5/17/2024 3:00 | 54.7 | 47.03 | 11.2 | 5 | 0 | |
| S50 | 13649 | 5/17/2024 4:00 | 53.2 | 47.04 | 11.3 | 4 | 0 | |
| S50 | 13649 | 5/17/2024 5:00 | 58.8 | 47.67 | 11.4 | 0 | 0 | |
| S50 | 13649 | 5/17/2024 6:00 | 91.3 | 66.74 | 12.7 | 0 | 0 | Noise from train horn |
| S50 | 13649 | 5/17/2024 7:00 | 72.7 | 69.83 | 14.4 | 5 | 0 | |
| S50 | 13649 | 5/17/2024 8:00 | 82.7 | 66.62 | 15.1 | 5 | 0 | |
| S50 | 13649 | 5/17/2024 9:00 | 87.1 | 65.32 | 15.8 | 8 | 0 | Noise from Air Horn |
| S50 | 13649 | 5/17/2024 10:00 | 83.4 | 60.02 | 16.1 | 4 | 0 | |
| S50 | 13649 | 5/17/2024 11:00 | 89.4 | 67.42 | 16 | 11 | 0.8 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/17/2024 12:00 | 83.1 | 64.84 | 15.9 | 8 | 1.2 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/17/2024 13:00 | 77.3 | 60.35 | 15.9 | 8 | 1.5 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/17/2024 14:00 | 94.6 | 72.56 | 16 | 22 | 1 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/17/2024 15:00 | 82.6 | 57.35 | 17.1 | 4 | 0.2 | Adverse Weather (Data not valid) |
| S50 | 13649 | 5/17/2024 16:00 | 76.5 | 55.61 | 18.4 | 11 | 0 | |
| S50 | 13649 | 5/17/2024 17:00 | 71.7 | 53.24 | 17.9 | 11 | 0 | |
| S50 | 13649 | 5/17/2024 18:00 | 72 | 54.57 | 17.5 | 15 | 0 | |
| S50 | 13649 | 5/17/2024 19:00 | 72.5 | 66.97 | 16.3 | 15 | 0 | |
| S50 | 13649 | 5/17/2024 20:00 | 87.3 | 61.94 | 15.3 | 13 | 0 | Siren noise from an emergency vehicle |
| S50 | 13649 | 5/17/2024 21:00 | 70.5 | 53.80 | 15.2 | 11 | 0 | |
| S50 | 13649 | 5/17/2024 22:00 | 74.6 | 54.35 | 14.8 | 9 | 0 | |
| S50 | 13649 | 5/17/2024 23:00 | 72.7 | 55.19 | 13.6 | 11 | 0 | |
| S50 | 13649 | 5/17/2024 23:59 | 66.3 | 51.31 | 14.2 | 9 | 0 | |

Appendix E

Weather Data Record for Monitoring Period





Hourly Data Report for May 03, 2024

If selected Local Standard Time (LST), add 1 hour to adjust for Daylight Saving Time where and when it is observed.

KITCHENER/WATERLOO ONTARIO Current Station Operator: NAVCAN

Table with station metadata: Latitude, Longitude, Elevation, Climate ID, WMO ID, TC ID.

Main hourly data table with columns: TIME, Temp, Dew Point, Rel Hum, Precip. Amount, Wind Dir, Wind Spd, Visibility, Stn Press, Hmdx, Wind Chill, Weather.

Legend box containing definitions for E (Estimated), M (Missing), NA (Not Available*), and [empty] (Indicates an unobserved value).

Date modified:

2024-03-27



Hourly Data Report for May 04, 2024

If selected Local Standard Time (LST), add 1 hour to adjust for Daylight Saving Time where and when it is observed.

KITCHENER/WATERLOO ONTARIO Current Station Operator: NAVCAN

Table with station metadata: Latitude, Longitude, Elevation, Climate ID, WMO ID, TC ID.

Main hourly data table with columns: TIME LST, Temp °C, Dew Point °C, Rel Hum %, Precip. Amount mm, Wind Dir 10's deg, Wind Spd km/h, Visibility km, Stn Press kPa, Hmdx, Wind Chill, Weather.

Legend box containing definitions for E (Estimated), M (Missing), NA (Not Available*), and [empty] (Indicates an unobserved value).

Date modified:

2024-03-27



Hourly Data Report for May 05, 2024

If selected Local Standard Time (LST), add 1 hour to adjust for Daylight Saving Time where and when it is observed.

KITCHENER/WATERLOO ONTARIO Current Station Operator: NAVCAN

Table with station metadata: Latitude, Longitude, Elevation, Climate ID, WMO ID, TC ID.

Main hourly data table with columns: TIME LST, Temp, Dew Point, Rel Hum, Precip. Amount, Wind Dir, Wind Spd, Visibility, Stn Press, Hmdx, Wind Chill, Weather.

Legend box containing definitions for E (Estimated), M (Missing), NA (Not Available*), and [empty] (Indicates an unobserved value).

Date modified:

2024-03-27



Hourly Data Report for May 06, 2024

If selected Local Standard Time (LST), add 1 hour to adjust for Daylight Saving Time where and when it is observed.

KITCHENER/WATERLOO ONTARIO Current Station Operator: NAVCAN

Table with station metadata: Latitude, Longitude, Elevation, Climate ID, WMO ID, TC ID.

Main hourly data table with columns: TIME LST, Temp, Dew Point, Rel Hum, Precip. Amount, Wind Dir, Wind Spd, Visibility, Stn Press, Hmdx, Wind Chill, Weather.

Legend box containing definitions for E (Estimated), M (Missing), NA (Not Available*), and [empty] (Indicates an unobserved value).

Date modified:

2024-03-27

Hourly Data Report for May 07, 2024

If selected Local Standard Time (LST), add 1 hour to adjust for Daylight Saving Time where and when it is observed.

**KITCHENER/WATERLOO
ONTARIO**
Current Station Operator: NAVCAN

| | | | | | |
|--------------------|-----------------|-------------------|-----------------|-------------------|----------|
| Latitude: | 43°27'39.000" N | Longitude: | 80°22'43.000" W | Elevation: | 321.60 m |
| Climate ID: | 6144239 | WMO ID: | 71368 | TC ID: | YKF |

| TIME LST | Temp | Dew Point | Rel Hum | Precip. Amount | Wind Dir | Wind Spd | Visibility | Stn Press | Hmdx | Wind Chill | Weather |
|-------------|------|-----------|---------|----------------|----------|----------|------------|-----------|------|------------|---------------------------|
| | °C | °C | % | mm | 10's deg | km/h | km | kPa | | | |
| 00:00 | 5.1 | 4.8 | 98 | 0.0 | | 0 | 16.1 | 97.59 | | | NA |
| 01:00 | 5.3 | 4.0 | 91 | 0.0 | | 0 | 16.1 | 97.58 | | | NA |
| 02:00 | 4.6 | 4.6 | 100 | 0.0 | 36 | 5 | 16.1 | 97.52 | | | NA |
| 03:00 | 3.4 | 3.4 | 100 | 0.0 | 33 | 4 | 16.1 | 97.49 | | | NA |
| 04:00 | 4.0 | 4.0 | 100 | 0.0 | 35 | 8 | 16.1 | 97.44 | | | NA |
| 05:00 | 3.1 | 3.1 | 100 | 0.0 | 30 | 8 | 16.1 | 97.44 | | | NA |
| 06:00 | 3.4 | 3.4 | 100 | 0.0 | 34 | 5 | 16.1 | 97.45 | | | NA |
| 07:00 | 9.1 | 5.3 | 77 | 0.0 | | 0 | 16.1 | 97.47 | | | NA |
| 08:00 | 13.1 | 5.3 | 59 | 0.0 | 8 | 9 | 16.1 | 97.45 | | | NA |
| 09:00 | 16.5 | 6.4 | 51 | 0.0 | 11 | 17 | 16.1 | 97.38 | | | NA |
| 10:00 | 18.2 | 8.1 | 51 | 0.0 | 11 | 13 | 16.1 | 97.36 | | | NA |
| 11:00 | 19.0 | 7.5 | 47 | 0.0 | 13 | 11 | 16.1 | 97.29 | | | NA |
| 12:00 | 19.6 | 6.2 | 41 | 0.0 | 10 | 21 | 16.1 | 97.15 | | | NA |
| 13:00 | 20.5 | 7.6 | 43 | 0.0 | 10 | 22 | 16.1 | 97.05 | | | NA |
| 14:00 | 20.2 | 4.5 | 35 | 0.0 | 12 | 18 | 16.1 | 97.02 | | | NA |
| 15:00 | 20.3 | 5.7 | 38 | 0.0 | 13 | 21 | 16.1 | 96.95 | | | NA |
| 16:00 | 19.7 | 3.5 | 34 | 0.0 | 11 | 21 | 16.1 | 96.91 | | | NA |
| 17:00 | 18.5 | 4.5 | 39 | 0.0 | 10 | 13 | 16.1 | 96.85 | | | NA |
| 18:00 | 17.3 | 6.5 | 49 | 0.0 | 11 | 15 | 16.1 | 96.76 | | | NA |
| 19:00 | 16.0 | 5.5 | 49 | 0.0 | 10 | 13 | 16.1 | 96.75 | | | NA |
| 20:00 | 15.1 | 5.1 | 51 | 0.0 | 9 | 15 | 16.1 | 96.71 | | | Rain |
| 21:00 | 11.6 | 7.4 | 75 | 4.1 | 3 | 15 | 4.8 | 96.71 | | | Thunderstorms, Heavy Rain |
| 22:00 | 10.4 | 8.7 | 89 | 12.2 | 8 | 9 | 16.1 | 96.61 | | | NA |
| 23:00 | 9.9 | 9.1 | 95 | 3.2 | 4 | 9 | 6.4 | 96.59 | | | Moderate Rain, Fog |

| Legend | |
|-----------------|---|
| • E = Estimated | • NA = Not Available* |
| • M = Missing | • [empty] = Indicates an unobserved value |

Date modified:

2024-03-27



Hourly Data Report for May 08, 2024

If selected Local Standard Time (LST), add 1 hour to adjust for Daylight Saving Time where and when it is observed.

KITCHENER/WATERLOO ONTARIO Current Station Operator: NAVCAN

Table with station metadata: Latitude, Longitude, Elevation, Climate ID, WMO ID, TC ID.

Main hourly data table with columns: TIME, Temp, Dew Point, Rel Hum, Precip. Amount, Wind Dir, Wind Spd, Visibility, Stn Press, Hmdx, Wind Chill, Weather.

Legend box containing definitions for E (Estimated), M (Missing), NA (Not Available*), and [empty] (Indicates an unobserved value).

Date modified:

2024-03-27



Hourly Data Report for May 09, 2024

If selected Local Standard Time (LST), add 1 hour to adjust for Daylight Saving Time where and when it is observed.

KITCHENER/WATERLOO ONTARIO Current Station Operator: NAVCAN

Table with station metadata: Latitude, Longitude, Elevation, Climate ID, WMO ID, TC ID.

Main hourly data table with columns: TIME LST, Temp, Dew Point, Rel Hum, Precip. Amount, Wind Dir, Wind Spd, Visibility, Stn Press, Hmdx, Wind Chill, Weather.

Legend box containing definitions for E (Estimated), M (Missing), NA (Not Available*), and [empty] (Indicates an unobserved value).

Date modified:

2024-03-27



Hourly Data Report for May 10, 2024

If selected Local Standard Time (LST), add 1 hour to adjust for Daylight Saving Time where and when it is observed.

KITCHENER/WATERLOO ONTARIO Current Station Operator: NAVCAN

Table with station metadata: Latitude, Longitude, Elevation, Climate ID, WMO ID, TC ID.

Main hourly data table with columns: TIME LST, Temp, Dew Point, Rel Hum, Precip. Amount, Wind Dir, Wind Spd, Visibility, Stn Press, Hmdx, Wind Chill, Weather.

Legend box containing definitions for E (Estimated), M (Missing), NA (Not Available*), and [empty] (Indicates an unobserved value).

Date modified:

2024-03-27



Hourly Data Report for May 11, 2024

If selected Local Standard Time (LST), add 1 hour to adjust for Daylight Saving Time where and when it is observed.

KITCHENER/WATERLOO ONTARIO Current Station Operator: NAVCAN

Table with station metadata: Latitude, Longitude, Elevation, Climate ID, WMO ID, TC ID.

Main hourly data table with columns: TIME, Temp, Dew Point, Rel Hum, Precip. Amount, Wind Dir, Wind Spd, Visibility, Stn Press, Hmdx, Wind Chill, Weather.

Legend box containing definitions for E (Estimated), M (Missing), NA (Not Available*), and [empty] (Indicates an unobserved value).

Date modified:

2024-03-27



Hourly Data Report for May 12, 2024

If selected Local Standard Time (LST), add 1 hour to adjust for Daylight Saving Time where and when it is observed.

KITCHENER/WATERLOO ONTARIO Current Station Operator: NAVCAN

| | | | | | |
|--------------------|-----------------|-------------------|-----------------|-------------------|----------|
| Latitude: | 43°27'39.000" N | Longitude: | 80°22'43.000" W | Elevation: | 321.60 m |
| Climate ID: | 6144239 | WMO ID: | 71368 | TC ID: | YKF |

| TIME LST | Temp | Dew Point | Rel Hum | Precip. Amount | Wind Dir | Wind Spd | Visibility | Stn Press | Hmdx | Wind Chill | Weather |
|-------------|------|-----------|---------|----------------|----------|----------|------------|-----------|------|------------|-----------|
| | °C | °C | % | mm | 10's deg | km/h | km | kPa | | | |
| 00:00 | 9.0 | 8.7 | 98 | 0.2 | 2 | 9 | 16.1 | 96.78 | | | NA |
| 01:00 | 9.0 | 8.7 | 98 | 0.0 | 1 | 9 | 9.7 | 96.80 | | | Rain, Fog |
| 02:00 | 8.8 | 8.5 | 98 | 0.0 | 36 | 13 | 16.1 | 96.87 | | | NA |
| 03:00 | 8.5 | 8.2 | 98 | 0.0 | 35 | 9 | 16.1 | 96.96 | | | Rain |
| 04:00 | 7.8 | 7.4 | 97 | 0.0 | 36 | 5 | 16.1 | 97.00 | | | NA |
| 05:00 | 7.8 | 7.8 | 100 | 0.0 | 31 | 13 | 16.1 | 97.10 | | | NA |
| 06:00 | 7.9 | 7.6 | 98 | 0.0 | 31 | 11 | 16.1 | 97.19 | | | NA |
| 07:00 | 9.7 | 8.1 | 90 | 0.0 | 34 | 13 | 16.1 | 97.24 | | | NA |
| 08:00 | 10.7 | 8.4 | 86 | 0.0 | 32 | 18 | 16.1 | 97.31 | | | NA |
| 09:00 | 10.8 | 7.8 | 82 | 0.0 | 32 | 21 | 16.1 | 97.37 | | | NA |
| 10:00 | 12.0 | 8.5 | 79 | 0.0 | 34 | 15 | 16.1 | 97.40 | | | NA |
| 11:00 | 13.9 | 8.1 | 68 | 0.0 | 31 | 13 | 16.1 | 97.42 | | | NA |
| 12:00 | 14.1 | 7.3 | 64 | 0.0 | 31 | 11 | 16.1 | 97.41 | | | NA |
| 13:00 | 15.5 | 7.3 | 58 | 0.0 | 32 | 17 | 16.1 | 97.41 | | | NA |
| 14:00 | 16.3 | 6.6 | 52 | 0.0 | 35 | 8 | 16.1 | 97.41 | | | NA |
| 15:00 | 16.3 | 7.9 | 57 | 0.0 | 26 | 9 | 16.1 | 97.38 | | | NA |
| 16:00 | 16.6 | 7.3 | 54 | 0.0 | 26 | 17 | 16.1 | 97.38 | | | NA |
| 17:00 | 17.1 | 6.8 | 50 | 0.0 | 28 | 18 | 16.1 | 97.39 | | | NA |
| 18:00 | 16.0 | 6.9 | 55 | 0.0 | 24 | 18 | 16.1 | 97.37 | | | NA |
| 19:00 | 15.0 | 7.3 | 60 | 0.0 | 24 | 15 | 16.1 | 97.36 | | | NA |
| 20:00 | 13.9 | 9.0 | 72 | 0.0 | 22 | 18 | 16.1 | 97.40 | | | NA |
| 21:00 | 12.5 | 8.6 | 77 | 0.0 | 19 | 17 | 16.1 | 97.44 | | | NA |
| 22:00 | 11.2 | 7.5 | 78 | 0.0 | 20 | 15 | 16.1 | 97.47 | | | NA |
| 23:00 | 9.8 | 6.9 | 82 | 0.0 | 19 | 11 | 16.1 | 97.46 | | | NA |

Legend

- E = Estimated
- M = Missing
- NA = Not Available*
- [empty] = Indicates an unobserved value

Date modified:

2024-03-27



Hourly Data Report for May 13, 2024

If selected Local Standard Time (LST), add 1 hour to adjust for Daylight Saving Time where and when it is observed.

KITCHENER/WATERLOO ONTARIO Current Station Operator: NAVCAN

Table with station metadata: Latitude, Longitude, Elevation, Climate ID, WMO ID, TC ID.

Main hourly data table with columns: TIME LST, Temp, Dew Point, Rel Hum, Precip. Amount, Wind Dir, Wind Spd, Visibility, Stn Press, Hmdx, Wind Chill, Weather.

Legend box containing definitions for E (Estimated), M (Missing), NA (Not Available*), and [empty] (Indicates an unobserved value).

Date modified:

2024-03-27



Hourly Data Report for May 14, 2024

If selected Local Standard Time (LST), add 1 hour to adjust for Daylight Saving Time where and when it is observed.

KITCHENER/WATERLOO ONTARIO Current Station Operator: NAVCAN

| | | | | | |
|--------------------|-----------------|-------------------|-----------------|-------------------|----------|
| Latitude: | 43°27'39.000" N | Longitude: | 80°22'43.000" W | Elevation: | 321.60 m |
| Climate ID: | 6144239 | WMO ID: | 71368 | TC ID: | YKF |

| TIME LST | Temp | Dew Point | Rel Hum | Precip. Amount | Wind Dir | Wind Spd | Visibility | Stn Press | Hmdx | Wind Chill | Weather |
|-------------|------|-----------|---------|----------------|----------|----------|------------|-----------|------|------------|---------|
| | °C | °C | % | mm | 10's deg | km/h | km | kPa | | | |
| 00:00 | 13.8 | 12.8 | 94 | 0.0 | | 0 | 16.1 | 97.25 | | | NA |
| 01:00 | 13.0 | 12.9 | 99 | 0.0 | M | 4 | 16.1 | 97.25 | | | NA |
| 02:00 | 12.6 | 12.5 | 99 | 0.0 | 7 | 4 | 16.1 | 97.20 | | | NA |
| 03:00 | 12.8 | 12.8 | 100 | 0.0 | M | 4 | 16.1 | 97.17 | | | NA |
| 04:00 | 12.9 | 12.9 | 100 | 0.0 | M | 4 | 16.1 | 97.13 | | | NA |
| 05:00 | 13.3 | 13.2 | 99 | 0.0 | | 0 | 16.1 | 97.19 | | | NA |
| 06:00 | 13.8 | 13.7 | 99 | 0.0 | 35 | 9 | 16.1 | 97.23 | | | NA |
| 07:00 | 14.8 | 14.5 | 98 | 0.0 | 31 | 5 | 16.1 | 97.30 | | | NA |
| 08:00 | 15.8 | 14.5 | 92 | 0.0 | 36 | 8 | 16.1 | 97.32 | | | NA |
| 09:00 | 16.6 | 14.8 | 89 | 0.0 | 35 | 8 | 16.1 | 97.33 | | | NA |
| 10:00 | 17.9 | 14.8 | 82 | 0.0 | 6 | 5 | 16.1 | 97.34 | | | NA |
| 11:00 | 18.3 | 14.8 | 80 | 0.0 | 34 | 13 | 16.1 | 97.34 | | | NA |
| 12:00 | 19.6 | 15.1 | 75 | 0.0 | 33 | 15 | 16.1 | 97.32 | | | NA |
| 13:00 | 19.4 | 12.8 | 65 | 0.0 | 35 | 13 | 16.1 | 97.29 | | | NA |
| 14:00 | 20.3 | 12.9 | 62 | 0.0 | 34 | 15 | 16.1 | 97.25 | | | NA |
| 15:00 | 20.0 | 10.5 | 54 | 0.0 | 35 | 18 | 16.1 | 97.20 | | | NA |
| 16:00 | 20.2 | 10.7 | 54 | 0.0 | 36 | 15 | 16.1 | 97.19 | | | NA |
| 17:00 | 20.0 | 10.9 | 55 | 0.0 | 35 | 15 | 16.1 | 97.19 | | | NA |
| 18:00 | 18.5 | 10.4 | 59 | 0.0 | 36 | 13 | 16.1 | 97.20 | | | NA |
| 19:00 | 18.0 | 10.5 | 61 | 0.0 | 36 | 15 | 16.1 | 97.22 | | | NA |
| 20:00 | 15.8 | 9.8 | 67 | 0.0 | 8 | 13 | 16.1 | 97.27 | | | NA |
| 21:00 | 14.0 | 9.9 | 76 | 0.0 | 3 | 8 | 16.1 | 97.31 | | | NA |
| 22:00 | 12.7 | 9.2 | 79 | 0.0 | 4 | 5 | 16.1 | 97.29 | | | NA |
| 23:00 | 11.9 | 8.8 | 81 | 0.0 | 36 | 8 | 16.1 | 97.27 | | | NA |

Legend

- E = Estimated
- M = Missing
- NA = Not Available*
- [empty] = Indicates an unobserved value

Date modified:

2024-03-27



Hourly Data Report for May 15, 2024

If selected Local Standard Time (LST), add 1 hour to adjust for Daylight Saving Time where and when it is observed.

KITCHENER/WATERLOO ONTARIO Current Station Operator: NAVCAN

Table with station metadata: Latitude, Longitude, Elevation, Climate ID, WMO ID, TC ID.

Main hourly data table with columns: TIME LST, Temp, Dew Point, Rel Hum, Precip. Amount, Wind Dir, Wind Spd, Visibility, Stn Press, Hmdx, Wind Chill, Weather.

Legend box containing definitions for E (Estimated), M (Missing), NA (Not Available*), and [empty] (Indicates an unobserved value).

Date modified:

2024-03-27



Hourly Data Report for May 16, 2024

If selected Local Standard Time (LST), add 1 hour to adjust for Daylight Saving Time where and when it is observed.

KITCHENER/WATERLOO ONTARIO Current Station Operator: NAVCAN

| | | | | | |
|--------------------|-----------------|-------------------|-----------------|-------------------|----------|
| Latitude: | 43°27'39.000" N | Longitude: | 80°22'43.000" W | Elevation: | 321.60 m |
| Climate ID: | 6144239 | WMO ID: | 71368 | TC ID: | YKF |

| TIME LST | Temp | Dew Point | Rel Hum | Precip. Amount | Wind Dir | Wind Spd | Visibility | Stn Press | Hmdx | Wind Chill | Weather |
|-------------|------|-----------|---------|----------------|----------|----------|------------|-----------|------|------------|---------|
| | °C | °C | % | mm | 10's deg | km/h | km | kPa | | | |
| 00:00 | 11.6 | 11.5 | 99 | 0.0 | 7 | 8 | 14.5 | 97.30 | | | NA |
| 01:00 | 10.0 | 10.0 | 100 | 0.0 | 34 | 4 | 8.1 | 97.31 | | | Fog |
| 02:00 | 10.3 | 10.3 | 100 | 0.0 | 35 | 4 | 9.7 | 97.32 | | | Fog |
| 03:00 | 9.5 | 9.5 | 100 | 0.0 | 35 | 5 | 1.6 | 97.31 | | | Fog |
| 04:00 | 8.0 | 8.0 | 100 | 0.0 | 32 | 4 | 0.4 | 97.30 | | | Fog |
| 05:00 | 8.0 | 8.0 | 100 | 0.0 | 36 | 4 | 0.8 | 97.31 | | | Fog |
| 06:00 | 9.3 | 9.3 | 100 | 0.0 | 29 | 5 | 11.3 | 97.38 | | | NA |
| 07:00 | 13.0 | 11.1 | 88 | 0.0 | 5 | 5 | 16.1 | 97.39 | | | NA |
| 08:00 | 16.5 | 10.6 | 68 | 0.0 | 5 | 13 | 16.1 | 97.40 | | | NA |
| 09:00 | 18.1 | 11.5 | 65 | 0.0 | M | 4 | 16.1 | 97.47 | | | NA |
| 10:00 | 19.5 | 12.1 | 62 | 0.0 | 6 | 8 | 16.1 | 97.46 | | | NA |
| 11:00 | 20.4 | 12.5 | 60 | 0.0 | M | 4 | 16.1 | 97.41 | | | NA |
| 12:00 | 20.3 | 13.0 | 63 | 0.0 | 8 | 8 | 16.1 | 97.35 | | | NA |
| 13:00 | 21.1 | 12.8 | 59 | 0.0 | M | 4 | 16.1 | 97.35 | | | NA |
| 14:00 | 23.0 | 14.3 | 58 | 0.0 | 13 | 9 | 16.1 | 97.35 | 27 | | NA |
| 15:00 | 22.9 | 13.1 | 54 | 0.0 | 14 | 9 | 16.1 | 97.33 | 26 | | NA |
| 16:00 | 22.7 | 13.7 | 56 | 0.0 | 11 | 24 | 16.1 | 97.29 | 26 | | NA |
| 17:00 | 21.7 | 13.1 | 58 | 0.0 | 11 | 15 | 16.1 | 97.31 | 25 | | NA |
| 18:00 | 20.6 | 13.0 | 61 | 0.0 | 13 | 18 | 16.1 | 97.33 | | | NA |
| 19:00 | 17.9 | 12.7 | 71 | 0.0 | 12 | 13 | 16.1 | 97.36 | | | NA |
| 20:00 | 17.0 | 12.8 | 76 | 0.0 | 13 | 13 | 16.1 | 97.37 | | | NA |
| 21:00 | 16.1 | 13.1 | 82 | 0.0 | 13 | 8 | 16.1 | 97.38 | | | NA |
| 22:00 | 14.3 | 12.5 | 89 | 0.0 | 6 | 5 | 16.1 | 97.34 | | | NA |
| 23:00 | 13.1 | 12.6 | 97 | 0.0 | 1 | 5 | 16.1 | 97.35 | | | NA |

| Legend | |
|-----------------|---|
| • E = Estimated | • NA = Not Available* |
| • M = Missing | • [empty] = Indicates an unobserved value |

Date modified:

2024-03-27



Hourly Data Report for May 17, 2024

If selected Local Standard Time (LST), add 1 hour to adjust for Daylight Saving Time where and when it is observed.

KITCHENER/WATERLOO ONTARIO Current Station Operator: NAVCAN

| | | | | | |
|--------------------|-----------------|-------------------|-----------------|-------------------|----------|
| Latitude: | 43°27'39.000" N | Longitude: | 80°22'43.000" W | Elevation: | 321.60 m |
| Climate ID: | 6144239 | WMO ID: | 71368 | TC ID: | YKF |

| TIME LST | Temp | Dew Point | Rel Hum | Precip. Amount | Wind Dir | Wind Spd | Visibility | Stn Press | Hmdx | Wind Chill | Weather |
|-------------|------|-----------|---------|----------------|----------|----------|------------|-----------|------|------------|-----------|
| | °C | °C | % | mm | 10's deg | km/h | km | kPa | | | |
| 00:00 | 12.9 | 12.6 | 98 | 0.0 | 8 | 9 | 16.1 | 97.29 | | | NA |
| 01:00 | 13.4 | 12.8 | 96 | 0.0 | 10 | 4 | 16.1 | 97.29 | | | NA |
| 02:00 | 12.2 | 12.2 | 100 | 0.0 | | 0 | 16.1 | 97.32 | | | NA |
| 03:00 | 11.2 | 11.2 | 100 | 0.0 | 2 | 5 | 11.3 | 97.32 | | | NA |
| 04:00 | 11.3 | 11.3 | 100 | 0.0 | M | 4 | 6.4 | 97.30 | | | Fog |
| 05:00 | 11.4 | 11.4 | 100 | 0.0 | | 0 | 0.2 | 97.30 | | | Fog |
| 06:00 | 12.7 | 12.7 | 100 | 0.0 | | 0 | 4.8 | 97.34 | | | Fog |
| 07:00 | 14.4 | 14.4 | 100 | 0.0 | 10 | 5 | 8.1 | 97.33 | | | Fog |
| 08:00 | 15.1 | 14.5 | 96 | 0.0 | 32 | 5 | 11.3 | 97.41 | | | NA |
| 09:00 | 15.8 | 14.5 | 92 | 0.0 | 11 | 8 | 9.7 | 97.40 | | | Fog |
| 10:00 | 16.1 | 14.5 | 90 | 0.0 | M | 4 | 9.7 | 97.44 | | | Fog |
| 11:00 | 16.0 | 15.4 | 96 | 0.8 | 33 | 11 | 4.8 | 97.45 | | | Rain, Fog |
| 12:00 | 15.9 | 15.2 | 95 | 1.2 | 35 | 8 | 8.1 | 97.45 | | | Rain, Fog |
| 13:00 | 15.9 | 15.4 | 97 | 1.5 | 4 | 8 | 8.1 | 97.41 | | | Rain, Fog |
| 14:00 | 16.0 | 15.7 | 98 | 1.0 | 12 | 22 | 8.1 | 97.29 | | | Rain, Fog |
| 15:00 | 17.1 | 14.9 | 87 | 0.2 | M | 4 | 16.1 | 97.32 | | | NA |
| 16:00 | 18.4 | 15.9 | 85 | 0.0 | 10 | 11 | 16.1 | 97.32 | | | NA |
| 17:00 | 17.9 | 15.4 | 85 | 0.0 | 11 | 11 | 16.1 | 97.31 | | | NA |
| 18:00 | 17.5 | 15.4 | 87 | 0.0 | 9 | 15 | 16.1 | 97.30 | | | NA |
| 19:00 | 16.3 | 15.4 | 94 | 0.0 | 10 | 15 | 12.9 | 97.33 | | | NA |
| 20:00 | 15.3 | 14.7 | 96 | 0.0 | 10 | 13 | 16.1 | 97.38 | | | NA |
| 21:00 | 15.2 | 14.7 | 97 | 0.0 | 9 | 11 | 16.1 | 97.41 | | | NA |
| 22:00 | 14.8 | 14.5 | 98 | 0.0 | 7 | 9 | 16.1 | 97.42 | | | NA |
| 23:00 | 13.6 | 13.6 | 100 | 0.0 | 9 | 11 | 16.1 | 97.36 | | | NA |

| Legend | |
|-----------------|---|
| • E = Estimated | • NA = Not Available* |
| • M = Missing | • [empty] = Indicates an unobserved value |

Date modified:

2024-03-27