



Post Event Report

**Metallica M72 World Tour
12 November 2025**

Report Requirements

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Contents

1.0	Event Overview.....	5
2.0	Event Summary	6
2.1	Weather Conditions and Impacts	7
3.0	Ticketing Operations.....	8
3.1	Concert Program	8
3.2	Ticket Sales	8
3.3	Turnstile and Gate Activity	9
3.4	Stadium Memberships	9
4.0	Local Resident Management	10
4.1	Call Centre Operations.....	10
4.2	Concert Hotline & SMS Report.....	10
4.3	Noise Monitoring.....	10
4.4	Noise Issue Management.....	11
5.0	Transport and Traffic Management.....	11
5.1	Suncorp Stadium Traffic Management Plan.....	11
5.2	Transport Services	12
5.2.1	Free Public Transport.....	12
5.2.2	Buses	12
5.2.3	Trains	13
5.2.4	Taxis.....	13
5.2.5	Ride Share.....	13
5.2.6	Limousines.....	13
5.2.7	Stadium Parking.....	13
6.0	Security and Crowd Management	14
6.1	General Admission (GA) Queuing.....	14
6.2	Patron Behaviour.....	14
6.3	Risk Management.....	15
6.3.1	Emergency Management	15
6.3.2	Risk Management - Field Patrons	15
6.2.3	Medical and First Aid.....	15
ATTACHMENT A: Patron Feedback.....		17
A1	Post Event Complaints and Compliments.....	17
	Overview.....	17
ATTACHMENT B: Acoustic Consultant Noise Monitoring Report.....		18



1.0 Event Overview

Suncorp Stadium hosted the Metallica concert on 12 November 2025 . This is the first time Metallica has performed at Suncorp Stadium. A total of 47,406 patrons attended the concert.

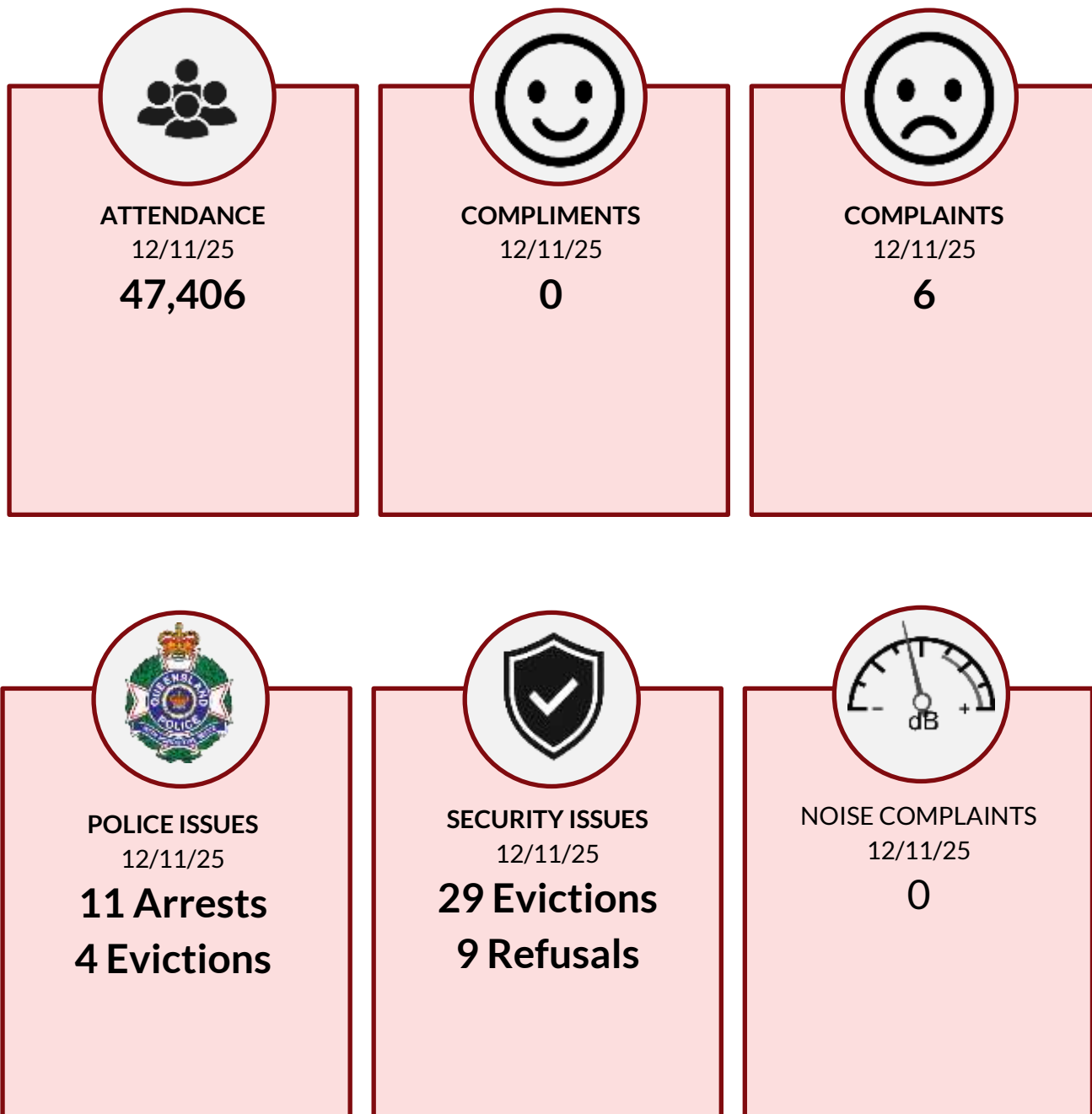
Detailed planning was undertaken to identify and minimise potential adverse impacts on the local community in accordance with the Major Sports Facilities Regulation 2014 for Special Events and the updated Major Sports Facilities Act 2001 (updated 31 October 2022)

A specific Operational and Transport & Traffic Management Plan was developed for the concert and presented to the Stadium Management Advisory Committee (SMAC), Transport Coordination Group (TCG) and Stadiums Queensland as required in the Regulations.

A dedicated Call Centre was established for the concert periods to enable the general public to contact the Stadium on any issues arising either during the bump-in, bump-out periods and during the concert itself. A local community letterbox drop was also conducted to provide residents and local businesses within the Lang Park Traffic Area with relevant information pertaining to the events.

2.0 Event Summary

Key deliverables for the concert event are:



2.1 Weather Conditions and Impacts

Weather conditions were fine with moderate temperatures. Many medical cases reported were pre-existing conditions exacerbated by the heat.

To assist with the conditions, a number of measures were implemented to assist. This included additional medical staff, water stations, misting fans and staff providing water to patrons as well as reminders for patrons and staff to continue to remain hydrated.

3.0 Ticketing Operations

3.1 Concert Program

Running times for the concert were as follows:

	Artist	
Public Entry Gates		4:30pm
Support Act 1	Suicidal Tendencies	5:30pm
Support Act 2	Evanescence	6:30pm
Main Act start	Metallica	8:15pm
Main Act end	Metallica	10:28pm

3.2 Ticket Sales

	SOLD	ATTEND	%
Snake Pit	253	99	39%
Field – GA1 Standing	8,571	7,915	92%
Field – GA2 Standing	6,180	5,980	96%
Grandstand Seating	33,251	32,195	96%
Corporate Seating	1,498	1,217	81%
TOTAL SALES	49,753	47,406	95%
NO SHOWS		2,347	

3.3 Turnstile and Gate Activity

FRIDAY 25 November 2025	TICKET NUMBERS	% CROWD	OPEN TIME PRE MAIN ACT
Gate A	7781	16.41%	3.75hrs
Gate B	5940	12.53%	3.75hrs
Gate B1 Handscanners	109	0.23%	3.75hrs
Gate B2	8855	18.68%	3.75hrs
Gate C1 – GA standing	906	1.91%	3.75hrs
Gate C2 – reserved	3584	7.56%	3.75hrs
Gate D	5338	11.26%	3.75hrs
Gate D Handscanners	886	1.87%	3.75hrs
Gate E	5622	11.86%	3.75hrs
Gate E Handscanners	4119	8.69%	3.75hrs
Gate F	436	0.92%	3.75hrs
Gate G – GA standing	1915	4.04%	3.75hrs
Master Hand Scanners	1811	3.82%	3.75hrs
Vehicle Entry	104	0.22%	
TOTAL	47406	100.00%	

Entry was steady with 95% of patrons entering the venue by the start of the main act.

At no time were gates under pressure.

3.4 Stadium Memberships

This event was not included in the Stadium Memberships Entitlements however Suncorp Stadium Life Ground Members were permitted to utilise their tickets. Suncorp Stadium Members were provided with a presale opportunity to purchase tickets for the event.

4.0 Local Resident Management

4.1 Call Centre Operations

The Stadium established a Concert Hotline for local residents and businesses. The Hotline was manned by trained Stadium staff during the following times:

Thursday 11 November 2025	0900 – 1700
Friday 12 November 2026	0900 – 2330

To assist with major complaints or issues, Call Centre operators had direct access to the Stadium's main control room and management team to obtain specific advice.

The general Stadium number (07 3331 5000) was also operational during normal business hours as was the Stadium Security number (07 3331 5168) after hours. All calls logged by Call Centre operators were responded to by a return call from Stadium staff immediately.

4.2 Concert Hotline & SMS Report

Comments/Complaints received via the Call Centre and the SMS reporting system are as follows

	12/11/25
Patron Behaviour	26
Noise Complaint	1
Security	1
Smoking	0
TOTAL	28

4.3 Noise Monitoring

Arup conducted initial modelling to assist with the noise control measures during planning for the concert.

As part of this process, Arup monitored noise levels at 15 minute intervals from inside the Stadium at the mixing console which was located approximately 50 metres from the front of house loudspeakers. External noise monitoring was also conducted at the following locations as required by the Major Sports Facilities Regulation 2014:

- 8 / 5 Petrie Terrace, Brisbane
- 15 Plunkett Street, Paddington
- 36 Judge Street, Brisbane
- 26 Princess Street, Brisbane
- 31 Isaac Street, Milton

Arup measured noise in compliance with the Environmental Protection Agency's Noise Measurement Manual. During the events (including rehearsal and sound test), the Stadium ensured that one of its employees or contractors:

- (a) was present at the sound mixing desk (or in direct communication with the Sound Engineer for the event and was able to exercise ultimate control on the noise levels from the sound amplification equipment;
- (b) could conduct and communicate with all of the acoustic consultants conducting the monitoring of the noise levels from the events; and
- (c) was able to report sound levels to Stadium Management at all times

The MSFA Regulation requires that noise monitoring is carried out in accordance with the Queensland Government Environmental Protection (Noise) Policy 1997 (EPP Noise). Therefore the results of the noise monitoring analysis have been compared with the noise emission criteria specified schedule 3A "Acoustic Quality Compliance for Special Events" from this policy.

Arup noted that the internal Stadium criteria was complied with throughout the concert and during sound checks.

The Noise Monitoring report from this event is outlined within this document (*Attachment B*)

4.4 Noise Issue Management

Whenever feedback was received regarding sound levels from the event, staff from Arup were requested to be dispatched to the locations (where possible) to obtain readings. This feedback may have come from a number of sources including social media, Hotline calls or emails to the venue.

There were no exceedances at the external monitoring points.

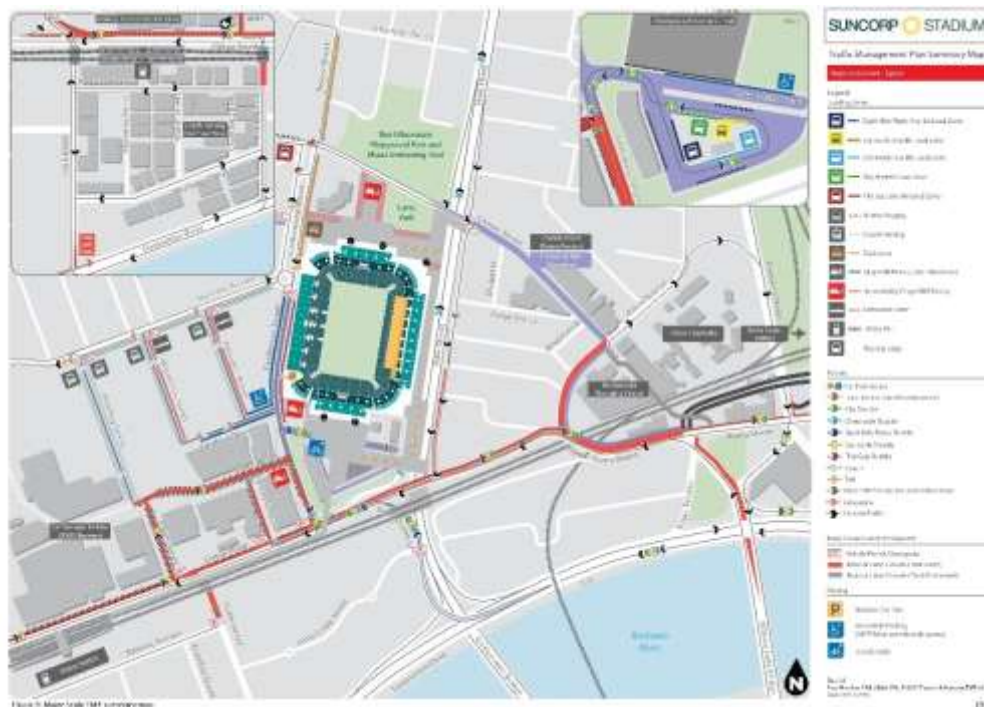
5.0 Transport and Traffic Management

5.1 Suncorp Stadium Traffic Management Plan

The venue has a number of levels for the Traffic Management Plan based on the expected crowd size:

NO PLAN:	0 – 5,000 patrons
LOW PLAN:	5,001 – 15,000 patrons
MEDIUM PLAN:	15,001 – 28,000 patrons
HIGH PLAN:	28,001 – 45,000 patrons
MAJOR PLAN:	45,001+ patrons

Due to the crowd size for the events, the MAJOR Traffic Management Plan was implemented.



5.2 Transport Services

5.2.1 Free Public Transport

As is standard practice for all events held at Suncorp Stadium, patrons were able to utilise free public transport from midday through to the last service of the day. This includes access to scheduled services as well as the dedicated event specific services implemented for the event.

These services are valid on all Transport for Brisbane bus services as well as any Queensland Rail City Network trains. Air train services and bus services not operated by Transport for Brisbane are not included.

A Transport Plan for a crowd of up to 49,999 was implemented for this event.

5.2.2 Buses

Transport for Brisbane ran dedicated services for the event for a period of 3 hours prior to the commencement of the main act.

Clearance time after the event was 1 hour.

5.2.3 Trains

Due to the spread of patrons on arrival, regular city network services are able to manage the crowd numbers without additional services, however with special rail services to all regions were running for approximately 1 hour after the event.

5.2.4 Taxis

The demand for taxi services after the concert was extremely high, resulting in a longer than normal exit from the patrons. Staff are on location to direct patrons to other public transport services however the crowd demographics suggested a higher propensity for the use of taxi services.

There were delays post concert due to the numbers catching cabs rather than using the public transport system. All attempts were made to obtain additional taxis however there were still delays of patrons waiting for taxis. Staff suggested to patrons to utilize the regular public transport services or head towards the city to catch rides however many chose to remain and wait.

The venue will continue to work with QPS and Security to protect the integrity of the Traffic and Transport Plans which are designed to minimize traffic in the area for the benefit of local residents and the dispersal of patrons. This includes continuing to manage the access of ride sharing services.

5.2.5 Ride Share

As is standard policy, the venue does not provide dedicated ride sharing drop off and pick up locations.

5.2.6 Limousines

Limousine parking in Parkview and Mayneview Streets was monitored closely and in line with the usual arrangements for other major Stadium events. Barriers and Security guards were located at either end of Blaxland Street to ensure it was not used for drop-offs and pickups and Queensland Police were present in the street post-event to control noise and patron behavior. Limousine take-up for this event was very low.

5.2.7 Stadium Parking

Due to the nature of the event, internal stadium car parking is extremely limited with only Car Park 3 available for parking. This is generally limited to operational requirements only or VIP Parking needs.

6.0 Security and Crowd Management

Police and security numbers factor in crowd size, demographics and risk levels. The numbers are based upon the requirements as follows:

6.1 General Admission (GA) Queuing

The floor was split into two GA areas with a VIP area located within the main stage structure. Due to the potential for early queues, services were installed on the Northern Plaza to help facilitate the comfort and service of patrons who chose to arrive and queue early for the event.

Services included:

- Marquees to provide shading for patrons
- Free water stations
- Misting fans
- Red Frogs volunteers distributing water and available for patron welfare
- Power for phone charging
- Staff to provide information and updates

Prior to gates opening, patrons were then queued in number order to enter the gate areas for entry to turnstiles.

Wristbanding was conducted inside the gates after they had scanned through to control wristband collection and minimize risks of unauthorized patrons accessing the GA area.

6.2 Patron Behaviour

Staff continually monitor patron behaviour throughout the event and reported a number of incidents as outlined below:

NATURE OF INCIDENT	
Evictions – Intoxication	25
Evictions – Patron Behaviour	8
Evictions – Smoking/Vaping	0
Refusals of Entry	9
Arrests	11
Notices to Appear	0
Liquor Infringements	1
Move On Directions	0
TOTAL	54

6.3 Risk Management

6.3.1 Emergency Management

The Stadium applied its standard Risk Management procedures to all aspects of the concert and prepared contingency plans on additional risks associated with the specific nature of the concert involving emergency field evacuation and severe weather. As each concert is different, plans are revised based on the stage layout. Neither plan needed to be activated.

6.3.2 Risk Management - Field Patrons

The venue in association with Risk Management team assess the field numbers based on a number of factors including:

- Total linear width of egress pathways (in both normal and emergency mode)
- Stage configuration
- Risks of emergency associated with pyrotechnics and special effects
- Crowd Demographics

Catering, Toilet and merchandise facilities are made available at field level for patrons on the floor to avoid the need to go back to the main concourse. Additional messaging on the screens were also provided to assist in providing information to patrons.

Industrial size fans have been installed in Car Park 1 to assist with airflow and reduction of temperatures in the car park during concert events. This proved positive with a noticeable cooling in the car park area.

All patrons from the floor are directed up to the main concourse (Level 3 from the field) for egress. To ease congestion on concourse levels some aisle ways from the floor are blocked to avoid converging crowds. Patrons are directed to all open aisles. In addition the mid tier LED screens were also used to deliver directional messaging for patrons to direct to their nearest egress point.

6.2.3 Medical and First Aid

First Aid and Medical staff were on site for the duration of the event to assist with any patron injuries/health issues.

Medical Stats:

Minor cases	23 (headaches, general pain)
-------------	------------------------------

Trauma cases	5
Medical Cases	28 (some preexisting)
Ambulance	1 Transfer

The venue employed Red Frogs to assist with water distribution within the GA areas. Following the number of incidents in the first two shows, additional Red Frogs staff were able to access the front barriers to assist with water distribution.

ATTACHMENT A: Patron Feedback

A1 Post Event Complaints and Compliments

NATURE OF FEEDBACK	
Ticketing - Viewing	0
Ticketing - General	1
Ticketing - Categories	0
Sound Quality	0
Patron Behaviour	0
Staffing	4
Public Transport	0
Local Residents/Businesses	0
Operations	0
Catering	1
General Feedback	1

The Stadium website and social media platforms were used to communicate important event information for both shows. All incoming messages were monitored, and questions answered where necessary. The venue received significant interest and reaction across its social channels with extremely positive feedback for the performance which resulted in large numbers in social media engagement on the stadium channels.

Overview

- 14,000+ positive reactions (likes, loves, shares)
- 700+ comments (positive about the performance and opening acts)

ATTACHMENT B: Acoustic Consultant Noise Monitoring Report

Suncorp Stadium

Suncorp Stadium Concert Noise Monitoring Metallica – November 2025

Event Noise Monitoring Report

Reference: PR_C008_313474-00_01JM

Revision 01 | 25 November 2025



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This report takes into account the particular instructions and requirements of our client. It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party.

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Contents

Executive Summary	1
1. Referenced Documents	2
2. Noise Emission Criteria	4
3.1. State Government EPA Criteria	4
3. Noise Monitoring Methodology	6
3.1. Noise Monitoring Locations	6
3.2. Monitoring Methodology	6
3.3. Instrumentation	7
3.4. Weather Conditions	7
4. Noise Monitoring Results	8
5. Analysis	12
6. Conclusion	15

Tables

Table 1: Summary of External Site Measurement Conditions and Extraneous Noise Sources	11
Table 2: Continuous Logger $L_{Aeq,15min}$ Noise Levels, 11 & 12 November 2025, Line & Sound Checks & Concert	12
Table 3: Manually Recorded $L_{Aeq,15min}$ Noise Levels, 23, 24 and 25 January 2025 – Line & Sound Checks & Concert	13

Figures

Figure 1: External Noise Measurements - Site 1 - 6/8 Petrie Terrace on 11 & 12 November.	8
Figure 2: External Noise Measurements - Site 2 – 15 Plunkett Street on 11 & 12 November.	9
Figure 3: External Noise Measurements - Site 3 – 36 Judge Street on 11 & 12 November.	9
Figure 4: External Noise Measurements - Site 4 – 26 Princess Street on 11 & 12 November.	10
Figure 5: External Noise Measurements - Site 5 – 31 Isaac Street on 11 & 12 November.	10

Appendices

APPENDIX A: EXTERNAL MEASUREMENT LOCATIONS	1
APPENDIX B: INSTRUMENTATION	1
APPENDIX C: WEATHER CONDITIONS	1

Executive Summary

This report summarises the results of noise monitoring carried out during the Metallica soundchecks and concert events on 11 & 12 November 2025 at Suncorp Stadium, in accordance with Clause 8 of the Major Sports Facilities Authority (MSFA) Amendment Regulation (No.1) 2006, under the Sports Facilities Act 2001.

Noise monitoring was carried out at the five residential sites surrounding the stadium, as specified in Clause 7 of the MSFA Regulation. In addition, monitoring was carried out at an internal location, representative of the mixing console, within the stadium bowl to provide comparison against the external monitoring sites.

The MSFA Regulation requires that noise monitoring is carried out in accordance with the Queensland Government Environmental Protection (Noise) Policy 1997 (EPP Noise). Note that subsequent revisions of the EPP Noise do not affect the requirements of the MSFA Regulation. Therefore, the results of the noise monitoring analysis have been compared with the noise emission criteria, as specified in schedule 3A “Acoustic Quality Compliance for Special Events” of this policy.

The analysis has found that the attended noise measurements complied with internal stadium criterion throughout the concert and sound checks for all time periods, with one exception. There was one 15-minute period, during which a marginal exceedance of less than 1 dB(A) occurred. This marginal exceedance was recorded at the unattended noise monitor but not at the attended monitor. The exceedance was likely due to the relative height of the unattended monitor being greater than the height of the microphone used for the attended monitoring. This resulted in a slightly higher noise exposure at the unattended noise logger microphone, compared to the attended microphone.

Measured noise levels associated with the sound checks and concerts complied with the EPA “Special Events” external noise criteria of $L_{Aeq,15min} 70$ dB(A) at all the nominated external monitoring locations throughout the sound checks and the concerts for all time periods.

We understand that there was only one complaint during the concert from 36 Primrose Terrace, Red Hill. This address is located 1.9 km to the northwest of the stadium. Noise from the stadium was faintly audible at times but the measured noise level at this location was found to be 46 dB(A) which is 24 dB(A) below the external noise criterion.

It was noted that there were light to moderate north easterly wind conditions, during the line and sound checks on 11 November moving to easterly for the concert on the 12 November which are likely to have influenced the noise emissions from the stadium to sound louder than usual to the south and west of the stadium, and quieter than usual on the eastern side.

1. Referenced Documents

The following documents have been referenced during preparation of this report:

- “MSFA Amendment Regulation (No.1) 2006” – Queensland Government.
- Environmental Protection and Other Legislation Amendment Act (No. 2) 2008 (EPOLA No. 2)
- “Environmental Protection (Noise) Amendment Policy 1997” (Reprint No.3) as part of the Environmental Protection Act 1994 – Queensland Environmental Protection Agency.
- “Suncorp Stadium, State of Origin 2003 - Noise Impact Assessment Report” – Hyder Consulting
- “Suncorp Stadium, Robbie Williams Concert - Noise Impact Assessment Report” – Hyder Consulting
- “Suncorp Stadium, The Police Concert - Noise Impact Assessment Report” – Hyder Consulting
- “Suncorp Stadium, Andre Rieu Concert – Noise Impact Assessment Report” – Hyder Consulting
- “Suncorp Stadium, U2 Concert – Noise Monitoring Report” - Cardno
- “Suncorp Stadium, Bon Jovi Concert – Noise Monitoring Report” - Cardno
- “Suncorp Stadium, Justin Bieber Concert – Noise Monitoring Report” - Cardno.
- “Suncorp Stadium, Worlds Biggest Orchestra World Record Attempt – Noise Monitoring Report” - Cardno
- “Suncorp Stadium, Taylor Swift Concert 2013 – Noise Monitoring Report” - Cardno).
- “Suncorp Stadium, Bon Jovi Concert 2013 – Noise Monitoring Report” - Cardno
- “Suncorp Stadium, Eminem Concert 2014 – Noise Monitoring Report” - Cardno
- “Suncorp Stadium, One Direction Concert 2015 – Noise Monitoring Report” - Cardno
- “Suncorp Stadium, Foo Fighters Concert 2015 – Noise Monitoring Report” - Cardno
- “Suncorp Stadium, Ed Sheeran Concert 2015 – Noise Monitoring Report” - Cardno
- “Suncorp Stadium, Taylor Swift Concert 2015 – Noise Monitoring Report” - Cardno
- “Suncorp Stadium, Coldplay Concert 2016 – Noise Monitoring Report” - Cardno
- “Suncorp Stadium, Justin Bieber Concert March 2017 – Noise Monitoring Report” - Cardno
- “Suncorp Stadium, Paul McCartney Concert December 2017 – Noise Monitoring Report” - Cardno
- “Suncorp Stadium, Foo Fighters Concert January 2018 – Noise Monitoring Report” - Cardno
- “Suncorp Stadium, Ed Sheeran Concerts March 2018 – Noise Monitoring Report” - Cardno
- “Suncorp Stadium, Bon Jovi Concert December 2018 – Noise Monitoring Report” - Cardno
- “Suncorp Stadium, Phil Collins Concert January 2019 – Noise Monitoring Report” - Cardno
- “Suncorp Stadium, U2 Concert November 2019 – Noise Monitoring Report” - Cardno
- “Suncorp Stadium, Queen Concert February 2020 – Noise Monitoring Report” - Cardno

- “Suncorp Stadium, Guns ‘n’ Roses Concert November 2022 – Noise Monitoring Report” – Cardno
- “Suncorp Stadium, Elton John Concert January 2023 – Noise Monitoring Report” – Stantec
- “Suncorp Stadium, Red Hot Chilli Peppers Concert January 2023 – Noise Monitoring Report” – Stantec
- “Suncorp Stadium, Ed Sheeran Concerts March 2023 – Noise Monitoring Report” – Stantec
- “Suncorp Stadium, Paul McCartney Concert November 2023 – Noise Monitoring Report” – Protest Engineering.
- “Suncorp Stadium, Motley Crue & Def Leppard Concert November 2023 – Noise Monitoring Report” – Protest Engineering.
- “Suncorp Stadium, Foo Fighters Concert December 2023– Noise Monitoring Report” – Protest Engineering.
- “Suncorp Stadium, Pink Concert February & March 2024– Noise Monitoring Report” – Protest Engineering.
- “Suncorp Stadium, Travis Scott Concert October 2024– Noise Monitoring Report” – PTG Consulting.
- “Suncorp Stadium, Luke Combs Concert January 2025 – Noise Monitoring Report” – PTG Consulting.

2. Noise Emission Criteria

It should be noted that the EPP (Noise) 1997, which forms part of the EPA 1994, has been superseded by the EPA 2019. However, the Environmental Protection and Other Legislation Amendment Act (No. 2) 2008 (EPOLA No. 2), allows for the previous criteria contained within the EPA 1994 to be retained for special events at Suncorp Stadium, in accordance with the MSFA Regulation (No 1) 2006. Therefore, the following assessment EPA 1994 criteria applies to amplified concert event noise emissions from the Stadium:

3.1. State Government EPA Criteria

The unattended noise monitors were configured to measure noise levels, as follows:

The EPA Criteria for "Special Events" is as follows:

Schedule 3A - Acoustic quality compliance for special events:

Acoustic quality compliance levels

- 1) *An acoustic quality compliance level is authorised for a special event if the level is equal to or less than at least one of the following.*
 - a) *100 dB(A) Leq, measured at 15-minute intervals, measured at a point 50m directly in front of the front edge of the performance stage.*
 - b) *70 dB(A) Leq, measured at 15-minute intervals, measured at the locations mentioned in the Major Sports Facilities Regulation 2002, schedule 2, section 7(1).*
- 2) *To remove any doubt, it is declared that subsection (1) is satisfied even if the level measured is greater than 1 of the levels stated in the subsection.*

MSFA Regulation (No 1) 2006

7 Noise

- 1) *During the event, including rehearsals and sound tests, the operator must ensure that the noise levels from the event are continuously monitored by a suitably qualified acoustic consultant at, or as near as practicable to, the following locations –*
 - *8.5 Petrie Terrace, City*
 - *15 Plunkett Street, Paddington*
 - *⁽¹⁾36 Judge Street, City*
 - *26 Princess Street, City*
 - *31 Isaac Street, Milton*
- 2) *The operator must ensure the taking of the noise measurements complies with the Environmental Protection Agency's Noise Measurement Manual.*
- 3) *During the event, including rehearsals and sound tests, the Authority must ensure that 1 of its employees or its agent –*
 - a) *is present at the sound mixing desk for the event and is able to exercise ultimate control on the noise levels from the sound amplification equipment; and*
 - b) *can conduct and communicate with all of the acoustic consultants conducting the monitoring of the noise levels from the event.*

Notes:

1. The original monitoring location in this area was 105 Hale Street. However, an alternative, nearby location has subsequently been selected. It was found from previous concerts, that 105 Hale Street was not an ideal monitoring site given the high levels of traffic noise incident on the site from Hale Street. The traffic noise was found to affect the monitored levels, resulting in difficulty in determining compliance. Therefore, 36 Judge Street was selected as being close to the original location but further away from Hale Street, and therefore, less affected by road traffic noise.

3. Noise Monitoring Methodology

3.1. Noise Monitoring Locations

Continuous noise monitoring was conducted within the stadium bowl to determine whether internal noise levels complied with MSFA criteria. External noise monitoring was also conducted at the following locations, as required by the MSFA Regulation:

- 8.5 Petrie Terrace
- 15 Plunkett Street
- 36 Judge Street
- 26 Princess Street
- 31 Isaac Street

The above external locations relative to the stadium are shown in Appendix A.

Continuous noise monitoring was also conducted within the stadium bowl, to provide correlation with external noise levels.

3.2. Monitoring Methodology

The event noise monitoring was conducted to provide a co-ordinated set of noise level data at the five MSFA external locations and inside the stadium. Noise level loggers were installed at locations 1, 2, 3, 4, 5, and inside the stadium bowl at a location representative of the usual location at the mixing console.

The Metallica production comprised of a traditional stage layout at the northern end of the stadium with the mixing desk located approximately 45 metres from the front of house speakers. Monitoring was undertaken at this location as per the legislation.

Manual noise measurements were recorded using sound level meters at locations 1 to 5 and inside the stadium, to confirm the results of the noise loggers, identify any extraneous noise sources not associated with stadium noise emissions, and determine whether the criteria were being exceeded inside or outside the stadium.

There were line and sound checks carried out on 11 November prior to the day of the concerts providing intermittent audible noise emissions externally between 15:00 and 18:30. Line and sound checks were also carried out on the day of the concerts on 12 November between 12:00 and 22:15.

The general schedule was as follows:

3.2.1. Tuesday, 11 November 2025

15:30 and 18:30 Backing tracks through the PA / Line checks / House PA / Supports Soundcheck

Wednesday, 12 November 2025

12:00 to 15:00: Backing tracks through the PA / Line checks / House PA / Soundcheck Support Bands

17:30 to 18:15: Support – Suicidal Tendencies

18:30 to 19:30: Support – Evanescence

20:08 to 22:15: Main Act – Metallica

3.3. Instrumentation

Appendix B lists the instrumentation used for the noise monitoring. Calibration of all instrumentation was conducted before and after the measurement session with no significant (less than ± 0.2 dB(A)) drift in calibration noted.

All noise logger clocks were synchronised with the noise logger installed in the stadium to ensure a coherent set of measurement data.

3.4. Weather Conditions

Appendix C lists the weather conditions during the measurement session.

The weather conditions were fine with some cloud throughout the monitoring period.

It was noted that there was light to moderate north easterly wind conditions, during the line and sound checks on 11 November moving to easterly for the concert on the 12th November. These conditions may have influenced the noise emissions from the stadium to sound louder than usual to the south and west of the stadium, and quieter than usual on the eastern side.

4. Noise Monitoring Results

The results from the noise monitoring for 11 & 12 November are shown graphically in Figure 1 to Figure 5. The charts show the following information:

- Noise levels measured in the stadium in terms of $L_{Aeq,15min}$, or the equivalent continuous noise level during each 15-minute sample period.
- Noise levels measured at each external location in terms of $L_{Aeq,15min}$ noise levels.
- The $L_{Aeq,15min}$ relevant noise goal.

Figure 1: External Noise Measurements - Site 1 - 6/8 Petrie Terrace on 11 & 12 November.

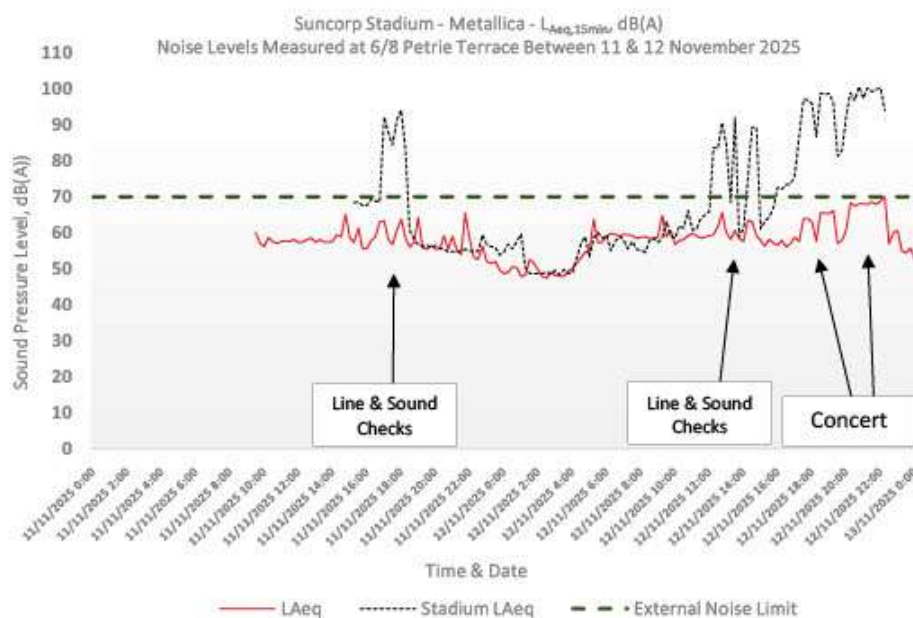


Figure 2: External Noise Measurements - Site 2 – 15 Plunkett Street on 11 & 12 November.

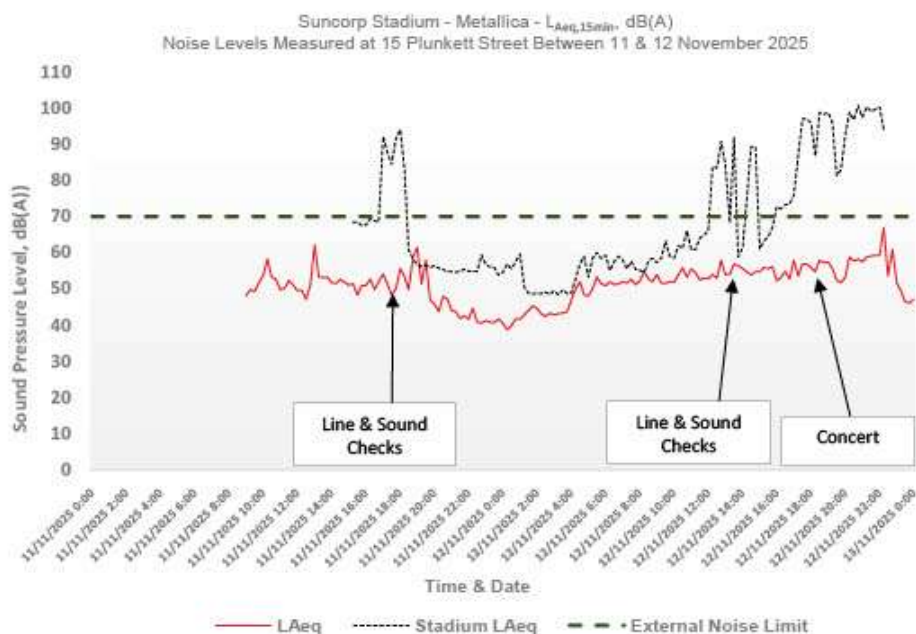


Figure 3: External Noise Measurements - Site 3 – 36 Judge Street on 11 & 12 November.

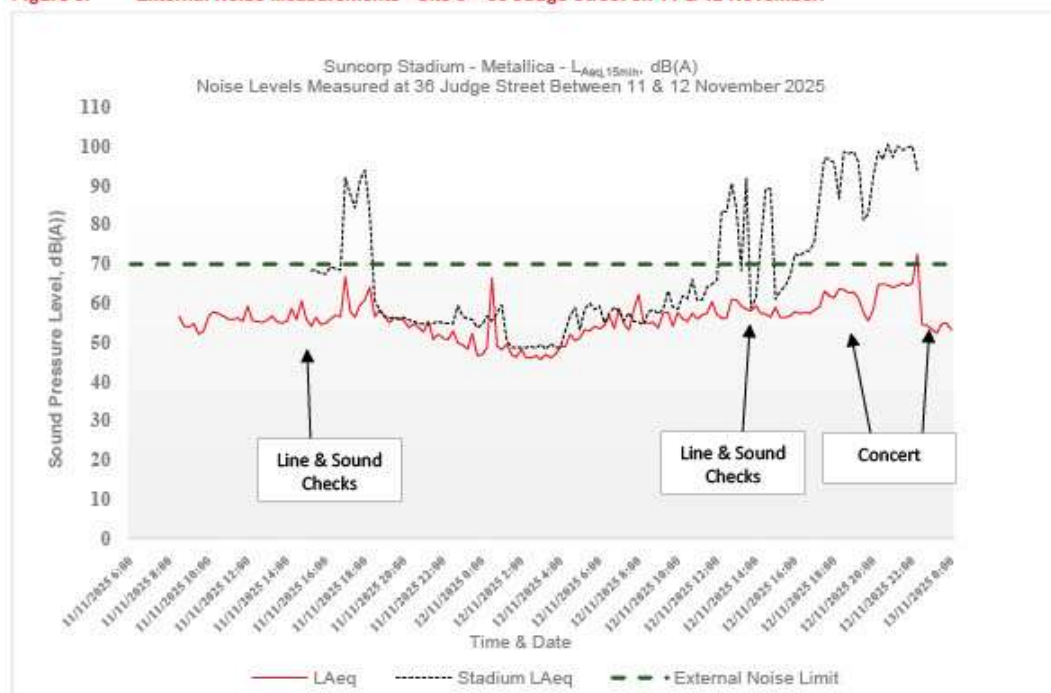


Figure 4: External Noise Measurements - Site 4 – 26 Princess Street on 11 & 12 November.

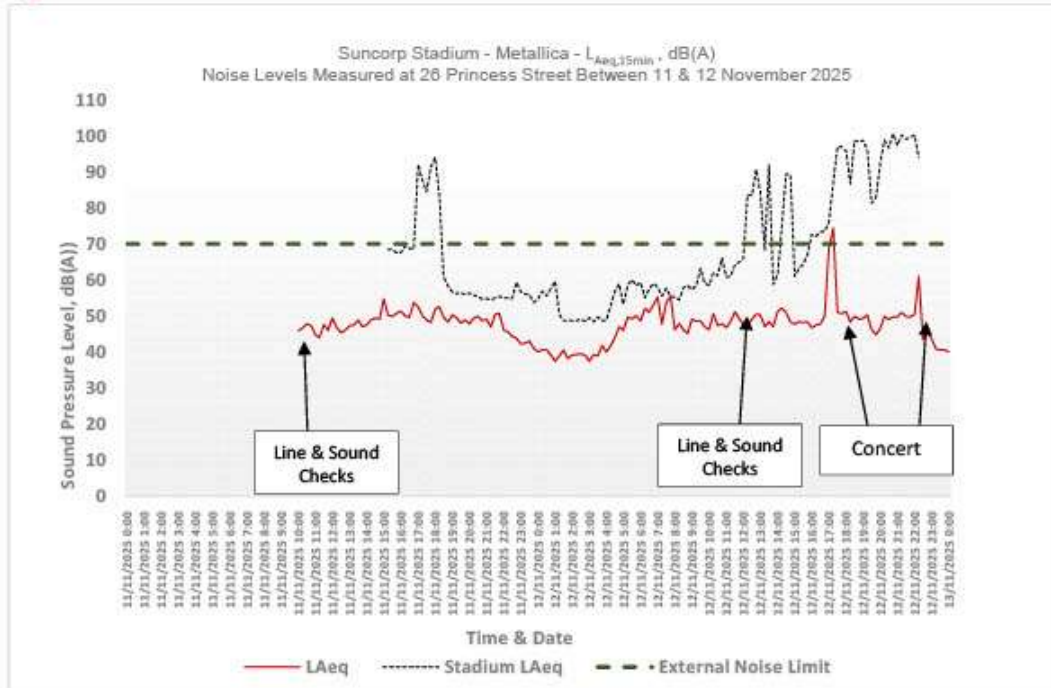
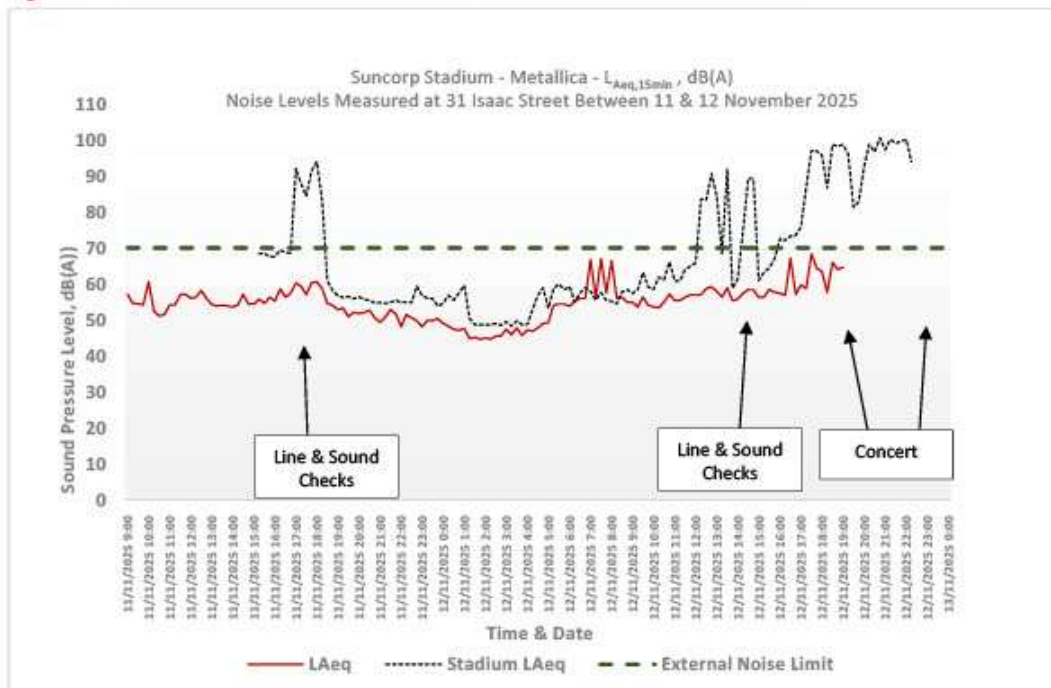


Figure 5: External Noise Measurements - Site 5 – 31 Isaac Street on 11 & 12 November.



The above graphs indicate that the noise levels measured externally, were generally independent of the sound check noise levels inside the stadium at Princess and Plunkett Street but affected by the Stadium noise level at the locations closest to the Stadium (Locations 1, 3 and 5).

The concert was audible to some extent at all locations during the sound checks and the concert. There were loud levels of ambient noise noted at some of the locations that included mechanical plant, aircraft, fauna and local traffic, which were not associated with noise emissions from the stadium, particularly at Petrie Terrace, Princess and Isaac Streets.

It was noted that there was light to moderate north easterly wind conditions, during the line and sound checks on 11 November moving to easterly for the concert on the 12 November which are likely to have influenced the noise emissions from the stadium to sound louder than usual to the south and west of the stadium, and quieter than usual on the eastern side.

The unattended measurements recorded were observed to vary considerably, as can be seen in Figure 1 to Figure 5. This was generally observed to be due to concert noise, during the soundchecks and the concert, at the locations closest to the stadium. However, additional ambient conditions that could have potentially affected the external noise measurements were noted at each site and are detailed below in Table 1.

Table 1: Summary of External Site Measurement Conditions and Extraneous Noise Sources

Site		Measurement Conditions
1	8.5 Petrie Tce	Road traffic on Petrie Terrace and Hale Street was the primary sources of ambient noise during the day on all three days with some aircraft flyovers. Crowd noise from the stadium and the concert and sound checks (primarily guitar, vocals and bass) were clearly audible during the soundcheck and concert and were the primary source of noise once the roads in the surrounding area had been closed. Pyrotechnics at the end of the Metallica set were louder than the concert.
2	15 Plunkett St	The concert was faintly to clearly audible at times. Vocals were faintly audible during the sound check and the concert. The crowd was audible at times. Ambient noise consisted of regular traffic pass-bys on Dowse Street and local road traffic on Plunkett Street and some ambulances on Given Terrace. Distant traffic on Given Terrace and Hale Street was the main source on noise in the absence of local traffic. Pyrotechnics at the end of the Metallica set were louder than the concert.
3	36 Judge St	Concert and sound checks were clearly audible at this location. Distant hum of traffic from Hale Street and Caxton Street, a food truck idling, some construction noise, ambulances on Hale Street and car pass-bys on Judge Street were the main noise sources in addition to concert noise from the stadium. Some continuous plant noise from nearby licensed premises was also continuously audible throughout the monitoring periods. Pyrotechnics at the end of the Metallica set were louder than the concert.
4	26 Princess St	During the sound check and concert, concert and crowd noise would have been faintly audible based on the measured levels and the weather conditions, especially the pyrotechnics at the end of the Metallica set. The primary source of noise at this location was local air-conditioners, distant traffic noise, some fauna noise (during the evening periods) and car pass-bys on Princess Street.
5	31 Isaac St	Concert and sound checks were clearly audible at this location. Road traffic noise on Isaac Street and Council trucks deploying road closure barriers, were the main source of noise during the concert with one or two aircraft and ambulance sirens during the sound checks, as well as continuous air-conditioner noise from local residences. Pyrotechnics at the end of the Metallica set were louder than the concert.

5. Analysis

Table 2 summarises the unattended measured (logger) $L_{Aeq,15min}$ noise levels for the line, sound checks and concerts. Noise measurements were recorded at all times during the sound checks and concerts when music was audible outside the Stadium.

The $L_{Aeq,15min}$ event noise levels reported below in Table 2 are based on an analysis of the noise logger data measured at each of the monitoring locations. Supplementary manual measurements were also carried out at these locations (Table 3) and generally agreed with those recorded by the loggers. There were some differences due to the slightly different time periods, the dynamic nature of the shows, and the difference in height between the noise logger and attended sound level meter microphones.

Table 2: Continuous Logger $L_{Aeq,15min}$ Noise Levels, 11 & 12 November 2025, Line & Sound Checks & Concert

Date	Time (recorded Previous 15 Minutes)	(6) Stadium	(1) Petrie Terrace	(2) Plunkett Street	(3) Judge Street	(4) Princess Street	(5) Isaac Street
Criteria		100	70	70	70	70	70
11/11/25	15:00	-	59	51	56	55	54
11/11/25	15:15	68	57	51	54	50	56
11/11/25	15:30	69	61	48	56	50	55
11/11/25	15:45	68	56	51	55	51	56
11/11/25	16:00	68	56	51	55	51	55
11/11/25	16:15	69	58	53	56	50	59
11/11/25	16:30	69	59	50	57	50	56
11/11/25	16:45	69	63	52	57	54	57
11/11/25	17:00	92	63	54	67	53	60
11/11/25	17:15	88	58	51	58	50	59
11/11/25	17:30	84	57	48	57	49	57
11/11/25	17:45	92	61	50	60	48	60
11/11/25	18:00	94	64	56	61	52	61
11/11/25	18:15	83	59	54	64	53	59
11/11/25	18:30	61	56	50	57	50	55
12 November 2025							
12/11/25	10:30	61	58	56	55	47	55
12/11/25	10:45	66	59	53	58	48	57
12/11/25	11:00	61	60	56	56	47	55
12/11/25	11:15	61	59	55	57	48	55
12/11/25	11:30	64	59	53	58	51	56
12/11/25	11:45	65	59	53	60	49	57
12/11/25	12:00	66	59	53	57	48	57
12/11/25	12:15	84	59	54	56	48	57
12/11/25	12:30	83	62	53	56	49	59
12/11/25	12:45	91	66	58	61	51	59
12/11/25	13:00	85	60	54	61	50	58
12/11/25	13:15	68	58	54	59	47	56
12/11/25	13:30	92	61	57	59	48	59
12/11/25	13:45	59	58	56	58	47	55
12/11/25	14:00	61	58	56	59	51	56
12/11/25	14:15	75	63	55	58	52	57
12/11/25	14:30	89	63	54	57	51	58
12/11/25	14:45	89	59	55	57	48	58
12/11/25	15:00	61	58	55	59	48	56
12/11/25	15:15	63	56	56	56	48	56
12/11/25	15:30	64	58	56	56	48	59
12/11/25	15:45	67	57	56	57	48	58
12/11/25	16:00	73	57	52	58	47	57
12/11/25	16:15	72	58	53	57	47	57
12/11/25	16:30	73	56	55	58	48	67
12/11/25	16:45	74	57	53	58	50	57

Date	Time (recorded Previous 15 Minutes)	Sound Checks & Concert					
		(6) Stadium	(1) Petrie Terrace	(2) Plunkett Street	(3) Judge Street	(4) Princess Street	(5) Isaac Street
Criteria		100	70	70	70	70	70
12/11/25	17:00	76	59	58	58	68	60
12/11/25	17:15	87	58	54	59	74	59
12/11/25	17:30	97	64	57	63	51	68
12/11/25	17:45	97	64	57	62	51	64
12/11/25	18:00	96	63	56	61	51	63
12/11/25	18:15	87	58	55	64	48	58
12/11/25	18:30	99	66	58	64	50	66
12/11/25	18:45	98	65	57	63	49	64
12/11/25	19:00	99	65	57	63	49	65
12/11/25	19:15	96	66	56	61	50	-
12/11/25	19:30	81	57	52	58	46	-
12/11/25	19:45	83	58	52	56	45	-
12/11/25	20:00	92	61	53	59	47	-
12/11/25	20:15	99	68	59	65	50	-
12/11/25	20:30	97	67	58	65	49	-
12/11/25	20:45	101	68	58	65	50	-
12/11/25	21:00	97	68	58	64	50	-
12/11/25	21:15	100	68	59	65	51	-
12/11/25	21:30	99	69	59	65	50	-
12/11/25	21:45	100	68	59	65	50	-
12/11/25	22:00	100	69	59	65	50	-
12/11/25	22:15	94	70	67	*73	61	-
12/11/25	22:30		57	54	55	43	-

*Noise Level due to ambient noise sources and not noise from the stadium.

Table 3: Manually Recorded Noise Levels, 23, 24 and 25 January 2025 – Line & Sound Checks & Concert

Date	Time (recorded Previous 15 Minutes)	Sound Checks & Concert					
		(6) Stadium	(1) Petrie Terrace	(2) Plunkett Street	(3) Judge Street	(4) Princess Street	(5) Isaac Street
Criteria		100	70	70	70	70	70
11/11/25	15:45	61	-	-	-	51	-
11/11/25	16:00	64	-	-	-	51	-
11/11/25	16:15	69	-	-	-	50	-
11/11/25	16:30	65	-	-	56	50	-
11/11/25	16:45	69	-	-	57	54	-
11/11/25	17:00	65	-	-	57	53	-
11/11/25	17:15	92	-	-	67	50	-
11/11/25	17:30	87	-	-	57	49	-
11/11/25	17:45	84	-	-	55	48	-
11/11/25	18:00	90	-	-	58	52	-
11/11/25	18:15	93	-	-	63	53	-
11/11/25	18:30	85	-	-	60	50	-
12 November 2025							
12/11/25	12:15		-	-	58	48	58
12/11/25	12:30	82	-	-	57	49	60
12/11/25	12:45	82	-	-	58	51	59
12/11/25	13:00	90	-	-	61	50	-
12/11/25	13:15	77	-	-	61	47	57
12/11/25	13:30	85	-	-	-	48	58
12/11/25	13:45	91	59	-	-	47	59
12/11/25	14:00	57	56	-	-	51	-
12/11/25	14:15	59	-	51	-	52	-
12/11/25	14:30	71	-	54	-	51	-
12/11/25	14:45	91	60	53	-	48	-
12/11/25	15:00	88	57	54	-	48	-
12/11/25	16:45	-	-	-	-	48	-
12/11/25	17:00	72	-	-	-	48	58

Date	Time (recorded Previous 15 Minutes)	Sound Checks & Concert					
		(6) Stadium	(1) Petrie Terrace	(2) Plunkett Street	(3) Judge Street	(4) Princess Street	(5) Isaac Street
Criteria		100	70	70	70	70	70
12/11/25	17:15	74	-	-	-	48	60
12/11/25	17:30	86	-	-	56	47	58
12/11/25	17:45	95	-	-	62	47	63
12/11/25	18:00	96	-	-	63	48	64
12/11/25	18:15	93	-	-	62	50	63
12/11/25	18:30	90	-	-	-	68	-
12/11/25	18:45	98	64	56	-	74	-
12/11/25	19:00	98	63	57	-	51	-
12/11/25	19:15	99	63	55	-	51	-
12/11/25	19:30	95	62	54	-	51	-
12/11/25	19:45	80	-	-	-	48	-
12/11/25	20:00	82	-	-	-	50	-
12/11/25	20:15	90	-	-	62	49	57
12/11/25	20:30	99	-	-	68	49	64
12/11/25	20:45	99	-	-	67	50	63
12/11/25	21:00	99	-	-	68	46	63
12/11/25	21:15	99	-	-	65	45	-
12/11/25	21:30	100	-	-	65	47	-
12/11/25	21:45	100	-	-	65	50	56
12/11/25	22:00	100	-	-	65	49	57
12/11/25	22:15	94	-	-	67	50	56

Notes:

1. Approximate time period for comparison purposes. The 15-minute measurement period was generally within 1-4 minutes of the stated times.
2. The values for Princess Street were obtained in real time on concert day from a remote access noise logging station. Therefore, these results have been added to the attended noise measurement table for information.
3. The attended handheld measurements inside the stadium on 12 November were noted to be 1-2 dB(A) less than those measured by the logger. This was due to unavoidable shielding at the attended monitoring location primarily as a result of shielding from rain protection and the audience attending the concert.
4. External noise level exceedances were due to ambient noise sources and not noise from the stadium.

We understand that there was only one complaint during the concert from 36 Primrose Terrace, Red Hill. This address is located 1.9 km to the northwest of the stadium. Noise levels at this location were measured to be 46 dB(A) and noise from the stadium was only faintly audible at times. There were no exceedances of the external noise criteria at this location.

The above results indicate that all internal measurements recorded within the stadium for the duration of the events, complied with the 100 dB(A) EPA "Special Events" internal LAeq,15 min noise criteria, for all time periods with the exception of one 15 minute time period during the concert recorded by the unattended noise logger. This did not occur again and was not reflected in the attended measurements.

Measured noise levels associated with the sound checks and concerts all complied with the EPA "Special Events" external noise criteria of LAeq,15min 70 dB(A) at all external locations throughout the sound checks and the concert for all time periods.

It was noted that the weather conditions were mostly fine with some cloud throughout the monitoring period. It was noted that there was light to moderate north easterly wind conditions, during the line, sound checks on 11 November moving to easterly for the concert on the 12 November which are likely to have influenced the noise emissions from the stadium to sound louder than usual to the south and west of the stadium, and quieter than usual on the eastern side.

6. Conclusion

Noise emissions were monitored in accordance with the specified MSFA Regulation and EPP (Noise) 1997 requirements.

Concert noise emissions from Suncorp Stadium measured during the Metallica production line checks, sound checks and concerts on 11 & 12 November 2025, indicated compliance with the MSFA Regulation for all the external noise monitoring sites for all time periods.

Noise emissions from the Metallica production inside the stadium complied with the internal EPP criteria for the duration of the concert and sound and line checks at the stadium internal monitoring location, with the exception of one 15 minute time period.



APPENDIX A: EXTERNAL MEASUREMENT LOCATIONS



Noise Measurement Locations



Planning Studies
11/20 November 2021 | Airport Australia Pty Ltd

Planning Studies - Metallica Run 2021
Event Noise Modelling Report

Page 22

APPENDIX B: INSTRUMENTATION



Instrumentation

The following equipment was utilised for the assessment.

Table B1 Instrumentation – November 2025

Site		Noise Logger	Serial No.	Sound Level Meter	Serial No.
Sound Level Meters & Loggers					
-	Stadium Bowl	Larson Davis 831	0002377	Rion NA-28	00722662
1	6/8 Petrie Terrace	Larson Davis 831	0001639	Bruel & Kjaer 2250	3000004
2	15 Plunkett Street	Larson Davis 831	0003300	Rion NL-21	00776884
3	36 Judge Street	Larson Davis 831	0003336	Bruel & Kjaer 2250	3000004
4	26 Princess Street	Larson Davis NMS044	0012771	Larson Davis NMS044	0012771
5	31 Isaac Street	Larson Davis 831	0001621	Rion NL-21	00776884
Calibrators					
		Rion NC-75	34835117		
		B & K 4231	2136569		

All items of equipment used for this project hold current NATA Calibration certificates.

Table B2 Instrumentation – Pre and Post Measurement Calibration

Site		Noise Logger / SLM	Serial No.	Pre- Measurement Calibration Level, dB(A)	Post- Measurement Calibration Level, dB(A)
Unattended Noise Loggers					
1	Stadium Bowl	Larson Davis 831	0002377	94.0	94.0
2	6/8 Petrie Terrace	Larson Davis 831	0001639	94.0	94.0
3	15 Plunkett Street	Larson Davis 831	0003300	94.2	94.3
4	36 Judge Street	Larson Davis 831	0003336	94.3	94.4
5	26 Princess Street	Larson Davis NMS044	0012771	94.0	94.0
6	31 Isaac Street	Larson Davis 831	0001621	94.2	94.3
Handheld Sound Level Meters					
7	Stadium Bowl	Rion NA-28	00722662	94.0	94.0
8	Judge St. / Petrie Tce.	Bruel & Kjaer 2250	3000004	93.9	94.0
9	Isaac / Plunkett Sts.	Rion NL-21	00776884	94.0	93.9

APPENDIX C: WEATHER CONDITIONS



Weather Conditions

Table C-1 Monitoring Weather Conditions

Date & Time	Temp °C	Humidity %	Wind Speed m/s	Wind Direction	Rain 10 min mm
11/11/2025 0:00	15.9	92	0	N	0
11/11/2025 0:30	15.8	94	2	SW	0
11/11/2025 1:00	16.0	94	4	WSW	0
11/11/2025 1:30	16.0	94	2	WSW	0
11/11/2025 2:00	16.0	94	4	SW	0
11/11/2025 2:30	16.1	93	6	WSW	0
11/11/2025 3:00	15.9	92	4	WSW	0
11/11/2025 3:30	16.1	91	7	WSW	0
11/11/2025 4:00	15.7	92	4	SW	0
11/11/2025 4:30	15.6	94	4	SW	0
11/11/2025 5:00	15.3	95	4	SW	0
11/11/2025 5:30	15.7	95	4	WSW	0
11/11/2025 6:00	16.2	94	6	W	0
11/11/2025 6:30	17.0	90	6	WSW	0
11/11/2025 7:00	18.0	88	6	WSW	0
11/11/2025 7:30	19.1	77	7	WSW	0
11/11/2025 8:00	20.7	71	6	WSW	0
11/11/2025 8:30	21.5	71	4	WNW	0
11/11/2025 9:00	22.6	65	2	WSW	0
11/11/2025 9:30	23.4	54	4	WSW	0
11/11/2025 10:00	24.6	55	4	S	0
11/11/2025 10:30	25.6	53	2	WSW	0
11/11/2025 11:00	25.8	51	6	N	0
11/11/2025 11:30	25.8	51	6	E	0
11/11/2025 12:00	26.2	56	9	E	0
11/11/2025 12:30	25.8	52	11	ENE	0
11/11/2025 13:00	26.4	49	6	NE	0
11/11/2025 13:30	26.5	48	7	NE	0
11/11/2025 14:00	26.7	47	9	NE	0
11/11/2025 14:30	26.4	46	7	NNE	0
11/11/2025 15:00	26.7	52	7	NNE	0
11/11/2025 15:30	25.8	54	9	NNE	0
11/11/2025 16:00	25.3	57	11	NNE	0
11/11/2025 16:30	25.0	59	9	NNE	0
11/11/2025 17:00	24.4	61	9	N	0
11/11/2025 17:30	23.5	62	9	NNE	0
11/11/2025 18:00	22.7	64	7	NNE	0
11/11/2025 18:30	22.5	68	9	NNE	0
11/11/2025 19:00	22.1	68	6	NNE	0

Date & Time	Temp °C	Humidity %	Wind Speed m/s	Wind Direction	Rain 10 min mm
11/11/2025 19:30	22.1	70	6	NNW	0
11/11/2025 20:00	21.7	69	6	N	0
11/11/2025 20:30	21.6	71	6	N	0
11/11/2025 21:00	21.4	72	6	NNE	0
11/11/2025 21:30	21.3	72	6	N	0
11/11/2025 22:00	20.8	74	4	N	0
11/11/2025 22:30	20.7	74	6	NNE	0
11/11/2025 23:00	20.4	75	4	NNE	0
11/11/2025 23:30	19.9	77	4	N	0
12/11/2025 0:00	19.5	79	2	NNE	0
12/11/2025 0:30	19.4	80	2	NNE	0
12/11/2025 1:00	18.5	83	0	N	0
12/11/2025 1:30	17.5	87	0	N	0
12/11/2025 2:00	17.4	86	0	N	0
12/11/2025 2:30	17.1	89	2	SW	0
12/11/2025 3:00	17.5	89	4	SW	0
12/11/2025 3:30	17.4	89	6	SW	0
12/11/2025 4:00	17.2	89	7	WSW	0
12/11/2025 4:30	16.9	90	6	SW	0
12/11/2025 5:00	17.1	91	6	WSW	0
12/11/2025 5:30	17.3	90	6	SW	0
12/11/2025 6:00	19.1	82	4	S	0
12/11/2025 6:30	20.4	74	4	SE	0
12/11/2025 7:00	21.4	65	7	S	0
12/11/2025 7:30	21.4	67	7	SW	0
12/11/2025 8:00	22.5	58	6	SSW	0
12/11/2025 8:30	23.8	52	7	SSE	0
12/11/2025 9:00	24.3	50	6	SSE	0
12/11/2025 9:30	24.3	45	13	E	0
12/11/2025 10:00	24.2	47	11	ESE	0
12/11/2025 10:30	24.0	48	11	E	0
12/11/2025 11:00	24.6	51	13	ESE	0
12/11/2025 11:30	24.6	50	15	E	0
12/11/2025 12:00	24.1	51	9	E	0
12/11/2025 12:30	25.4	51	13	E	0
12/11/2025 13:00	24.0	50	15	E	0
12/11/2025 13:30	23.7	51	15	E	0
12/11/2025 14:00	24.2	50	15	E	0
12/11/2025 14:30	24.0	53	11	E	0
12/11/2025 15:00	23.3	53	17	E	0
12/11/2025 15:30	23.8	48	13	E	0

Date & Time	Temp °C	Humidity %	Wind Speed m/s	Wind Direction	Rain 10 min mm
12/11/2025 16:00	23.7	49	13	E	0
12/11/2025 16:30	22.5	50	13	E	0
12/11/2025 17:00	22.1	52	13	ENE	0
12/11/2025 17:30	21.9	52	13	E	0
12/11/2025 18:00	21.2	54	11	ENE	0
12/11/2025 18:30	20.7	55	9	E	0
12/11/2025 19:00	20.2	57	6	E	0
12/11/2025 19:30	20.2	57	6	E	0
12/11/2025 20:00	20.2	57	4	E	0
12/11/2025 20:30	20.3	58	6	E	0
12/11/2025 21:00	20.5	59	6	E	0
12/11/2025 21:30	20.6	60	4	E	0
12/11/2025 22:00	20.6	60	4	E	0
12/11/2025 22:30	20.4	62	4	E	0
12/11/2025 23:00	20.2	60	4	E	0
12/11/2025 23:30	19.9	61	4	E	0
13/11/2025 0:00	19.1	65	0	N	0