Acoustic Monitoring Data Sheet

Person Completing Monitoring	W. Carter	**Date**	21/03/2025	**Time**	04.10am	**Acoustic Monitoring location (Refer to overarching Map)**	Please refer to appendix 1
Work Area	SWIPS & Batching Plant	**Scope of Work**	Concrete Pour	**Is Construction Audible?**	See field notes		
List Plant in operation	Concrete pump, Agi trucks, Lighting towers, Batching Plant						
Field Notes (Be specific to Acoustic graphs)	No construction works was audible from monitoring location 1(closest sensitive receiver) pre or during the concrete pour. **Weather** Slight south easterly winds with isolated rain in monitoring locations 1-4 (pre concrete pour). Winds dropped off and turned sunny for the acoustic monitoring during the concrete pour.						

Part A: Include Photos of Acoustic Monitoring location & Works –

Please refer to appendix 1 & 2.

Acoustic Summary Table

Monitoring location	Date	Time	Distance of Monitoring locations from closest sensitive receiver (m)	Pre concrete Pour (LAeq)	Time	During concrete Pour (LAeq)	Acoustic threshold (dB)	Compliant with Acoustic threshold
1	21/03/2025	04.10am	20	35.6	05.06am	40.4	43	Yes
2	21/03/2025	04.41am	524	48.1	05.30am	49.1	43	N/A

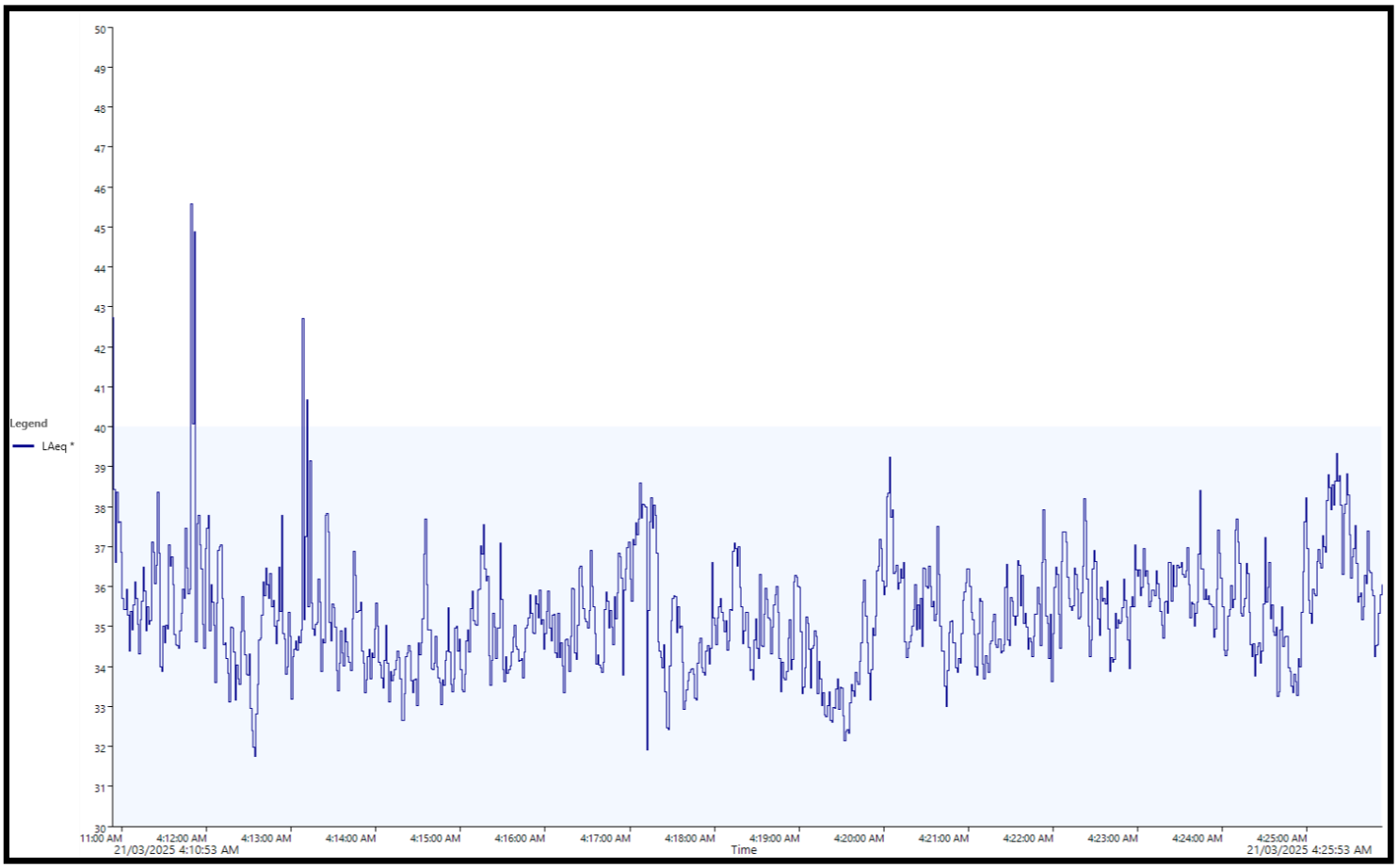
Acoustic results from location 2 was not obtained at the the closest sensitive receiver therefore results are not applicable to the acoustic threshold in a accordance with Out of Hours Approvals from City of Wanneroo (LGA).

Future Considerations
Alarms from the batching plant was noticeable from monitoring location 2. While it was not audible from monitoring location 1 (the closest sensitive receiver, 28 Tulum rise), it needs to be considered that future north westerly winds could potentially increase the area of acoustic influence and therefore potential complaints. Wind was an contributing factor to previous acoustic related complaints.

Action
W. Carter to discuss with Holcim and understand if the volume of the alarm can be altered.

Appendix 1 - Acoustic Monitoring Locations & Work Areas

Appendix 2 - Acoustic Results
Monitoring Location 1 - Pre Concrete pour



23/03/2025

Cirrus Research plc

Measurement Summary Report

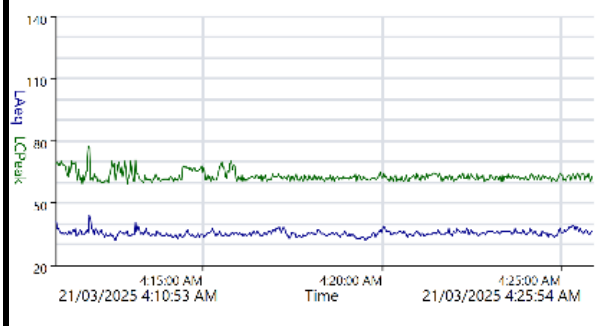
Name	120			
Time	21/03/2025 4:10:53 AM	**Person**	**Place**	**Project**
Duration	00:15:00	William Carter	ActiDAFF Concrete	Alkimos Desalination
Instrument	G305002, CR:162C			

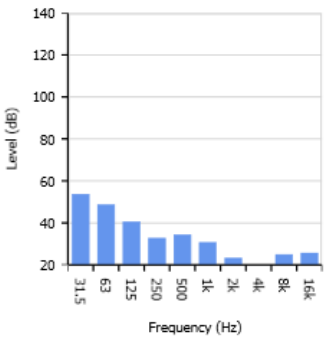
Calibration

Before Offset **After** Offset

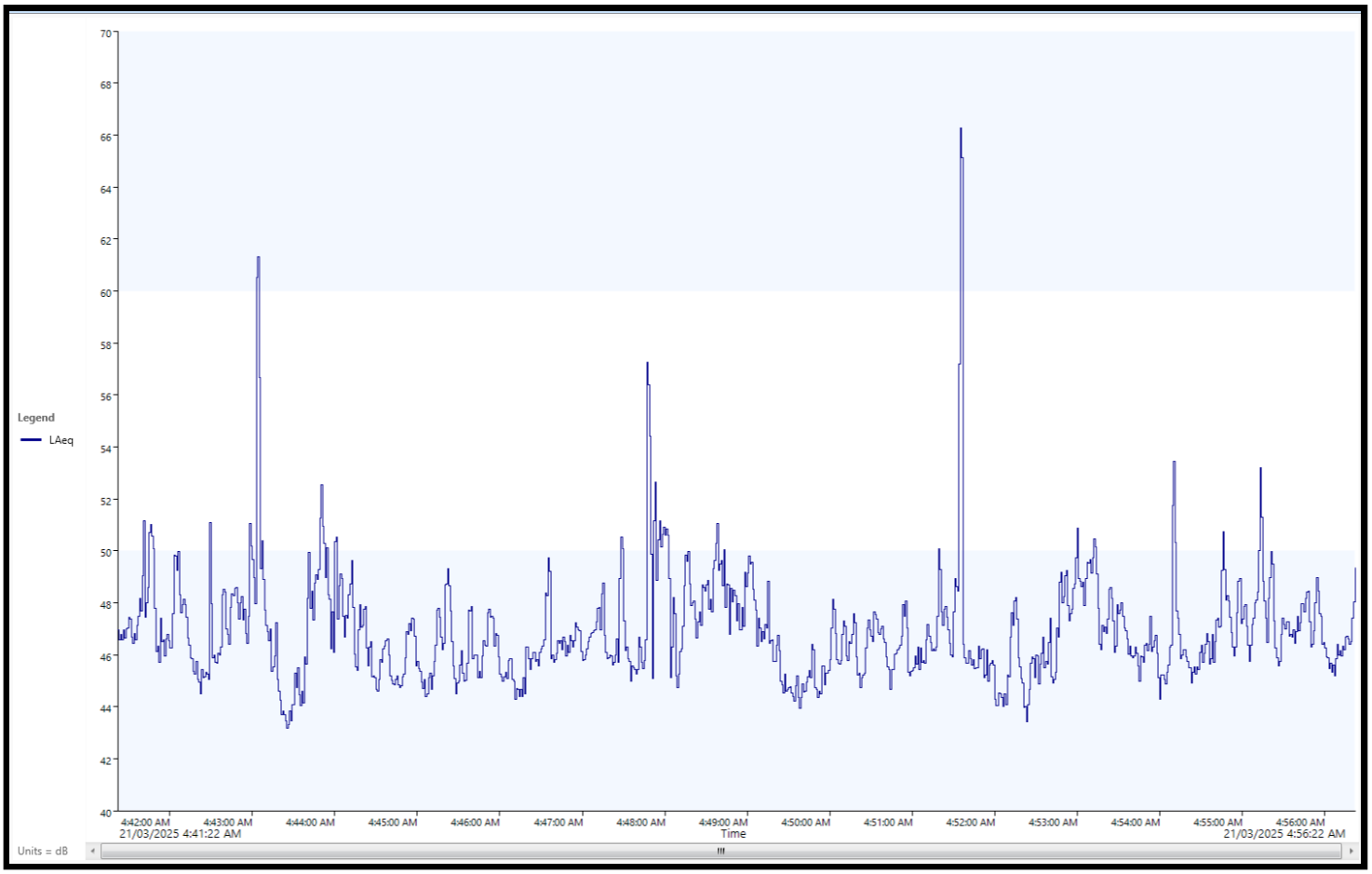
Basic Values	
LAeq	35.6 dB
LCPeak	77.6 dB
C-A	17.4 dB
LEX8	20.6 dB
LAFMax	53.9 dB

Projected Exposure	
30 Minutes	23.6 dB
1 Hour	26.6 dB
2 Hours	29.6 dB
4 Hours	32.6 dB
6 Hours	34.4 dB
8 Hours	35.6 dB
10 Hours	36.6 dB
12 Hours	37.4 dB





Monitoring Location 2 - Pre Concrete pour



23/03/2025

Cirrus Research plc

Measurement Summary Report

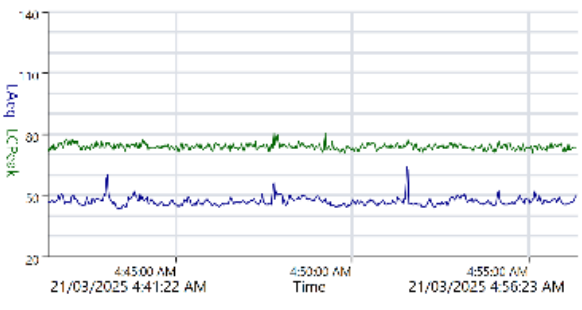
Name	122			
Time	21/03/2025 4:41:22 AM	**Person**	**Place**	**Project**
Duration	00:15:00	William Carter	ActiDAFF Concrete	Alkimos Desalination
Instrument	G305002, CR:162C			

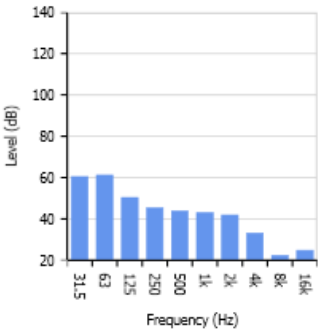
Calibration

Before Offset **After** Offset

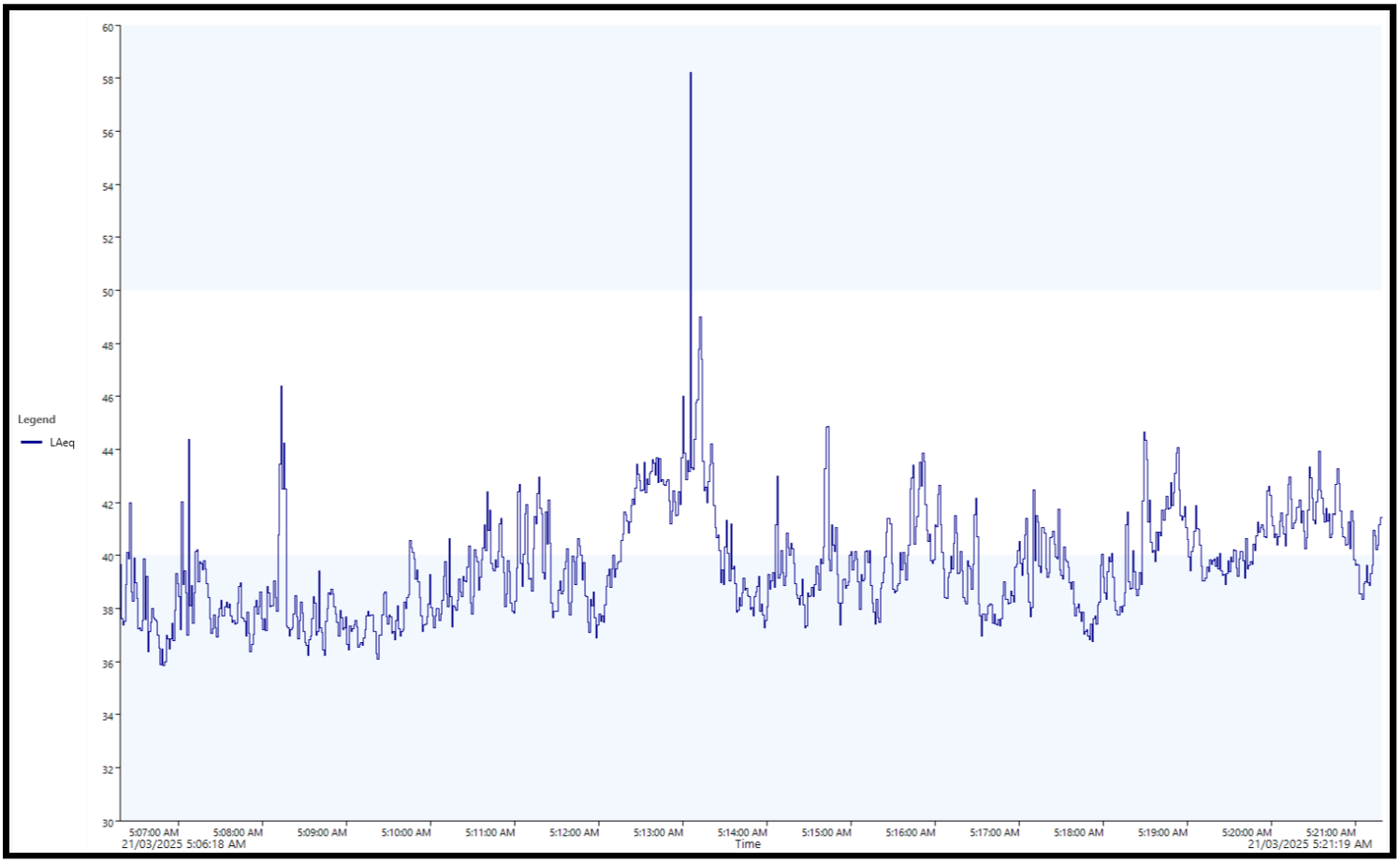
Basic Values	
LAeq	48.1 dB
LCPeak	80.4 dB
C-A	14.8 dB
LEX8	33.1 dB
LAFMax	66.6 dB

Projected Exposure	
30 Minutes	36.1 dB
1 Hour	39.1 dB
2 Hours	42.1 dB
4 Hours	45.1 dB
6 Hours	46.9 dB
8 Hours	48.1 dB
10 Hours	49.1 dB
12 Hours	49.9 dB





Monitoring Location 1 - During Concrete pour



23/03/2025

Cirrus Research plc

Measurement Summary Report

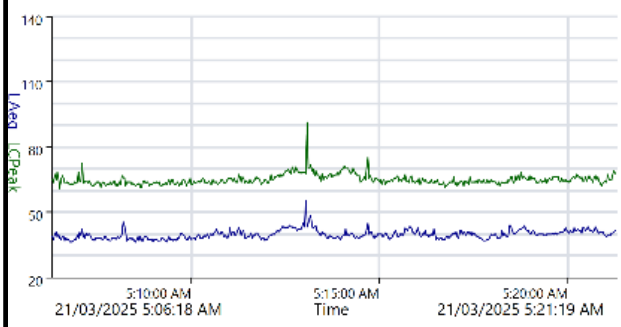
Name	123			
Time	21/03/2025 5:06:18 AM	**Person**	**Place**	**Project**
Duration	00:15:00	William Carter	ActiDAFF Concrete	Alkimos Desalination
Instrument	G305002, CR:162C			

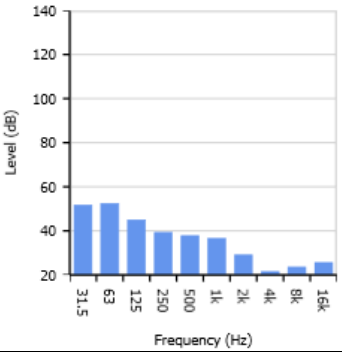
Calibration

Before Offset **After** Offset

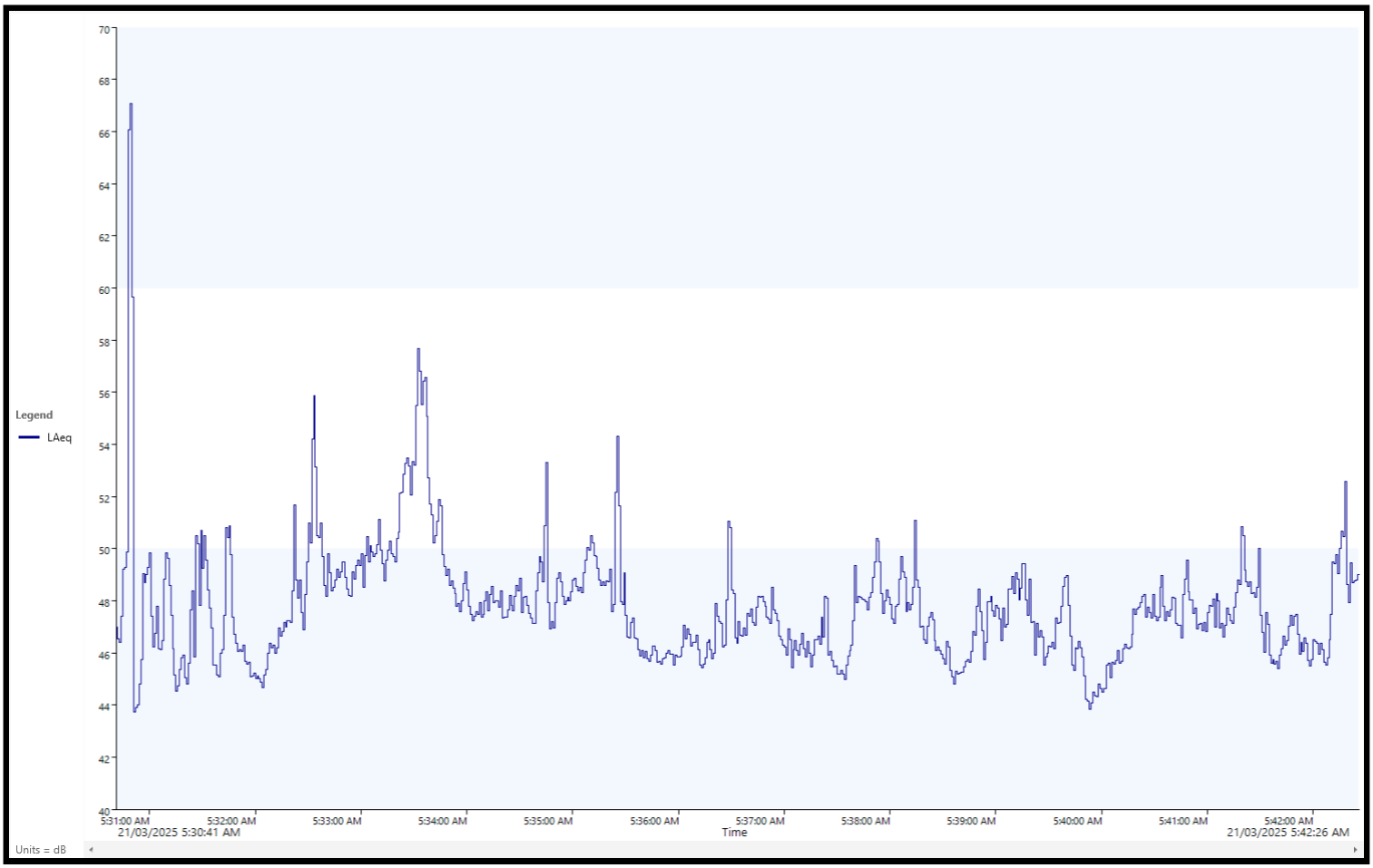
Basic Values	
LAeq	40.4 dB
LCPeak	91.4 dB
C-A	14.0 dB
LEX8	25.4 dB
LAFMax	65.6 dB

Projected Exposure	
30 Minutes	28.4 dB
1 Hour	31.4 dB
2 Hours	34.4 dB
4 Hours	37.4 dB
6 Hours	39.2 dB
8 Hours	40.4 dB
10 Hours	41.4 dB
12 Hours	42.2 dB





Monitoring Location 2 - During Concrete pour



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Measurement Summary Report

Name	124			
Time	21/03/2025 5:30:41 AM	**Person**	**Place**	**Project**
Duration	00:11:45	William Carter	ActiDAFF Concrete	Alkimos Desalination
Instrument	G305002, CR:162C			

Calibration

Before Offset **After** Offset

Basic Values	
LAeq	49.1 dB
LCPeak	88.0 dB
C-A	14.9 dB
LEX8	33.0 dB
LAFMax	69.5 dB

Projected Exposure	
30 Minutes	37.1 dB
1 Hour	40.1 dB
2 Hours	43.1 dB
4 Hours	46.1 dB
6 Hours	47.9 dB
8 Hours	49.1 dB
10 Hours	50.1 dB
12 Hours	50.9 dB