



Adelaide Brighton Cement Ltd

an **ADBRI** company

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QUARTERLY NOISE MANAGEMENT REPORT FOR BIRKENHEAD WORKS

COMPLIANCE DATE: 15/08/2024– Quarter 2 2024
EPA Licence 1126: Noise Management Plan (U – 1551)

Licensed site: Adelaide Brighton Cement, Birkenhead Works

62 Elder Road, Birkenhead, SA 5015

Date of Submission: 15 August 2024

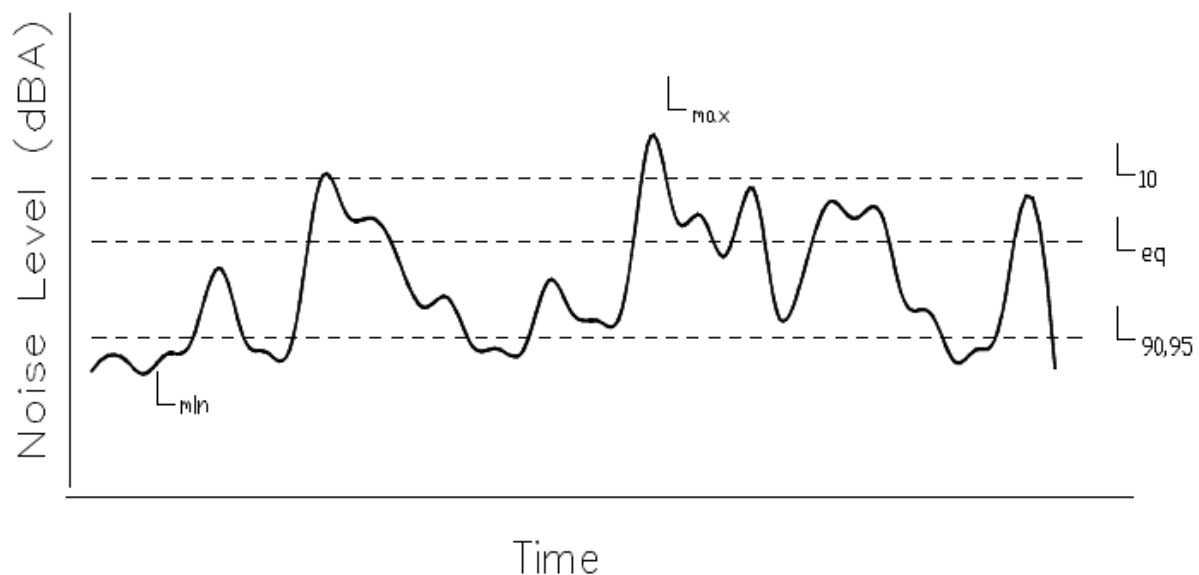
Version Number: 1



Report Submitted by: Advisor Environment - C&L (SA/NSW/NT)

Glossary of acoustic terminology

- dB(A)** A unit of measurement, decibels(A), of sound pressure level which has its frequency characteristics modified by a filter ("A-weighted") so as to more closely approximate the frequency response of the human ear.
- L₁** The noise level which is equalled or exceeded for 1% of the measurement period. L₁ is an indicator of the impulse noise level, and is used in Australia as the descriptor for intrusive noise (usually in dBA).
- L₁₀** The noise level which is equalled or exceeded for 10% of the measurement period. L₁₀ is an indicator of the mean maximum noise level, and is used in Australia as the descriptor for intrusive noise (usually in dBA).
- L₉₀** The noise level which is equalled or exceeded for 90% of the measurement period. L₉₀ is an indicator of the mean minimum noise level, and is used in Australia as the descriptor for background or ambient noise (usually in dBA).
- L_{eq}** The equivalent continuous noise level for the measurement period. L_{eq} is an indicator of the average noise level (usually in dBA).
- L_{max}** The maximum noise level for the measurement period (usually in dBA).



Note: *The subjective reaction or response to changes in noise levels can be summarised as follows:*

A 3 dB(A) increase in sound pressure level is required for the average human ear to notice a change; a 5 dB(A) increase is quite noticeable and a 10 dB(A) increase is typically perceived as a doubling in loudness

Monitoring Objective	<p>The quarterly report will include where applicable:</p> <ul style="list-style-type: none"> • Details of noise complaints (excluding complainant name and identifying address details for reasons of confidentiality), received during the quarter including the outcomes of the complaint investigation and where applicable, corrective actions implemented. • Details on the progress of noise attenuation projects including effectiveness. • Details of noise monitoring reports. • Details of noise minimisation activities.
Monitoring Plan	<p>This monitoring report complies with the Noise Management Plan approved on 2 August 2023 by the SA EPA.</p> <p>The Plan is available on the ABC Birkenhead Community Website: https://adelaidebrightoncommunity.com.au/</p>
Noise Monitoring Reports	<p>No noise monitoring undertaken in this reporting period</p>
Noise Minimisation Activities	<p>Adbri is preparing a new Environment Improvement Programme (EIP), for our Birkenhead facility.</p> <p>Adbri will undertake community consultation on the draft EIP, which details projects to improve the site performance on issues such as dust and noise. Consultation will be via:</p> <ul style="list-style-type: none"> • community drop-in sessions • our community website https://adelaidebrightoncommunity.com.au • email responses through BHCommunity@adbri.com.au <p>After taking into account the feedback gathered during the community consultation, the draft EIP will be submitted to the SA Environment Protection Authority for their final approval.</p>
Noise Complaints Summary	<p>1 Noise Complaint for the reporting period See table below for details</p>

**Noise
Complaints
Summary**

Date / Time of occurrence	Location	Description	Action Taken	Weather conditions at time of noise				Complaint response	
				Temp C	Wnd Direction	Wnd Speed m/s	Rain fall	Date/time received	Response Date/time
17/06/2024 21:42	Gilbert Street Birkehead	Loud noise - like a vacuum truck/council street sweeper - persisted consistently for about 1 hour	There was no use of street sweeper or vacuum trucks at the time of the complaint or during the evening/night. Shift supervisor and staff investigated site operations to try and identify potential sources but none were found. Normal plant operation. Calm to light wind conditions at the time, with wind from NE and NW direction (parallel to or towards ABC).	10.4	SSW	2.5	-	17/06/2024 21:42	17/06/2024 21:52 no response to call back 18/06/2024 10:08 Advised resident of findings