



Adelaide Brighton Cement Ltd

an **ADBRI** company

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QUARTERLY NOISE MANAGEMENT REPORT FOR BIRKENHEAD WORKS

COMPLIANCE DATE: 15/02/2025 – Quarter 4 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 February 2025

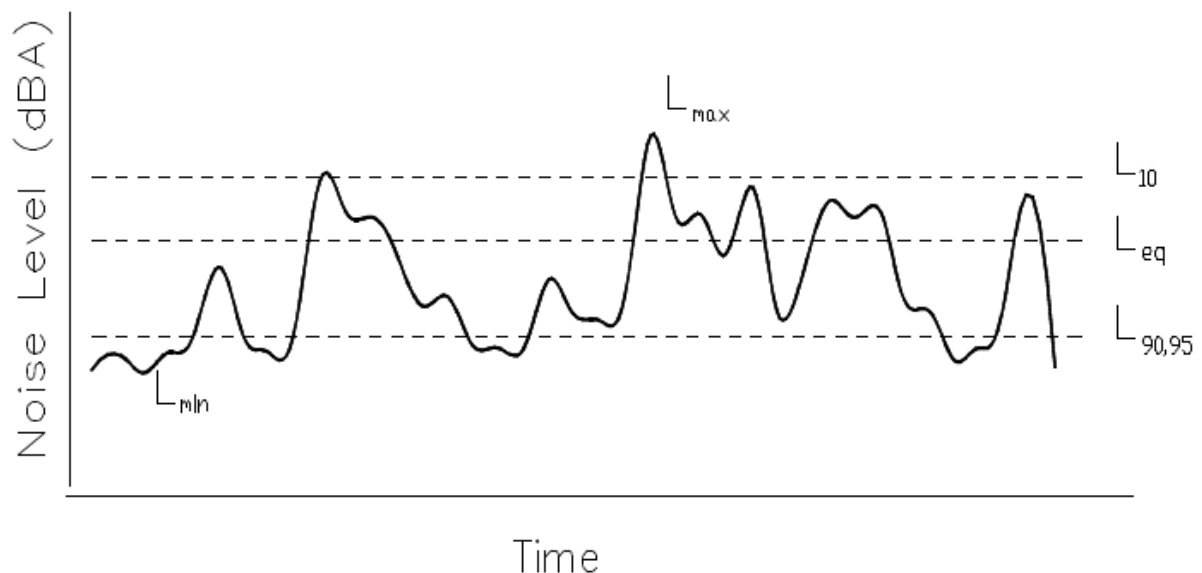
Version Number: 1



Report Submitted by: Business Partner Environment

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. L ₁ 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. L ₁₀ 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. L ₉₀ 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 was undertaken in this reporting period</p>
Noise Minimisation Activities	<p>Adbri has developed a new Environment Improvement Programme (EIP), that included transparent consultation with the community in its development. The EIP projects are grouped into themes about communication, dust management and monitoring, noise, odour and amenity.</p> <p>The EIP has been approved by the SA EPA on is available on our birkenhead community website https://adelaidebrightoncommunity.com.au/sustainability/environmental-improvement-plan/</p> <p>EIP Project 21: Complete implementation of noise reduction options for kiln shell cooling fans, aims to reduce noise levels from these fans which have a significant contribution to offsite noise emissions from the site.</p>
Noise Complaints Summary	<p>There were no noise complaints for the reporting period.</p>
Noise Reports	<p>No noise monitoring was undertaken in this reporting period</p>