



Adelaide Brighton Cement Ltd

an **ADBRI** company

adelaidebrighton.com.au

Adelaide Brighton Cement Ltd
ABN 96 007 870 199
PO Box 77
Port Adelaide SA 5015
+61 8 8300 0300

QUARTERLY NOISE MANAGEMENT REPORT FOR BIRKENHEAD WORKS

COMPLIANCE DATE: 15/08/2021– Quarter 2 2021
EPA Licence 1126: Noise Management Plan (U-787)

Licensed site: Adelaide Brighton Cement, Birkenhead Works

62 Elder Road, Birkenhead, SA 5015

Date of Submission: 13 August 2021

Version Number: 1

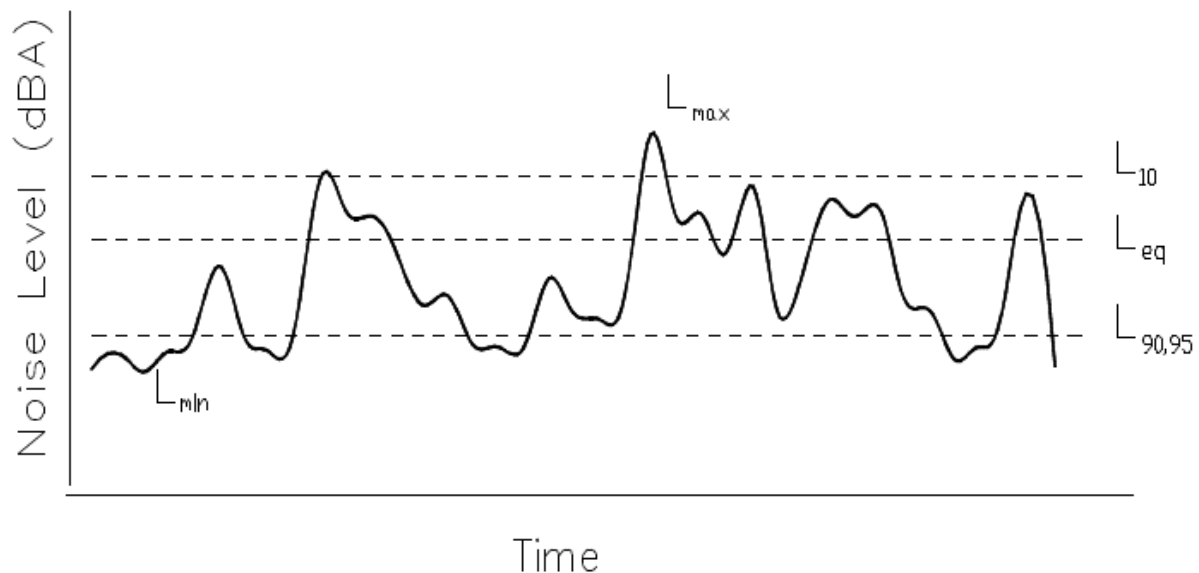


Report Submitted by: Sustainability/Environmental Engineer

I certify that to the best of my knowledge and ability all the information in this report is a true and accurate reflection of the regulatory monitoring performed.

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> <p>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.</p> <p>Details on the progress of noise attenuation projects including effectiveness.</p> <p>Details of noise monitoring reports.</p> <p>Details of noise minimisation activities.</p>																								
Monitoring Plan	<p>This monitoring report complies with the Noise Management Plan approved on 16 August 2018 by the SA EPA.</p> <p>The Plan is available on the ABC Birkenhead Community Website: https://adelaidebrightoncommunity.com.au/</p>																								
Noise Complaints Summary	<p>The table below summarises the noise complaints for the reporting period.</p> <table border="1" data-bbox="355 680 1513 1787"> <thead> <tr> <th data-bbox="355 680 480 831">Date and Time</th> <th data-bbox="480 680 620 831">Location</th> <th data-bbox="620 680 1007 831">Description</th> <th data-bbox="1007 680 1513 831">Action Taken</th> </tr> </thead> <tbody> <tr> <td data-bbox="355 831 480 954">24/05/2021 01:05</td> <td data-bbox="480 831 620 954">Anonymous</td> <td data-bbox="620 831 1007 954">Resident complaint of high machinery noise unable to sleep wants it reduced.</td> <td data-bbox="1007 831 1513 954">Site investigation at the time did not identify any unusual site activity noise levels.</td> </tr> <tr> <td data-bbox="355 954 480 1211">11/06/2021 04:00</td> <td data-bbox="480 954 620 1211">Anonymous</td> <td data-bbox="620 954 1007 1211">Resident called about fire alarm</td> <td data-bbox="1007 954 1513 1211">Smoke detector triggered a fire alarm in 4A Load centre. Alarm silenced by MFS. Investigation identified a cable penetration may be allowing dust into the load centre triggering the smoke detector. Penetration sealed.</td> </tr> <tr> <td data-bbox="355 1211 480 1346">19/06/2021 06:00</td> <td data-bbox="480 1211 620 1346">Alfred Street, Peterhead</td> <td data-bbox="620 1211 1007 1346">Resident rang about a loud 'underground' rumbling noise coming from the plant</td> <td data-bbox="1007 1211 1513 1346">Investigation did not identify any sources matching the noise description. Normal plant operational activity occurring at the time.</td> </tr> <tr> <td data-bbox="355 1346 480 1525">22/06/2021 03:50</td> <td data-bbox="480 1346 620 1525">Alfred Street, Peterhead</td> <td data-bbox="620 1346 1007 1525">Resident rang about a fire alarm</td> <td data-bbox="1007 1346 1513 1525">Audible alarm deactivated before MFS arrived. Smoke detector triggered a fire alarm in 4A load centre. Load centre smoke detector sensor heads and bases changed.</td> </tr> <tr> <td data-bbox="355 1525 480 1787">28/06/2021</td> <td data-bbox="480 1525 620 1787">Sandwell Street Peterhead</td> <td data-bbox="620 1525 1007 1787">Generator noise - starts in the afternoon and runs continuously to late in the evening. Tuesday 22/6/21, 3.30 pm to 7.30 pm Friday 25/6/21 3.30 pm to 10.30 pm Saturday 26/6/21 - all day .</td> <td data-bbox="1007 1525 1513 1787">Site investigation identified there was no generator or similar noise source in use at these times.</td> </tr> </tbody> </table>	Date and Time	Location	Description	Action Taken	24/05/2021 01:05	Anonymous	Resident complaint of high machinery noise unable to sleep wants it reduced.	Site investigation at the time did not identify any unusual site activity noise levels.	11/06/2021 04:00	Anonymous	Resident called about fire alarm	Smoke detector triggered a fire alarm in 4A Load centre. Alarm silenced by MFS. Investigation identified a cable penetration may be allowing dust into the load centre triggering the smoke detector. Penetration sealed.	19/06/2021 06:00	Alfred Street, Peterhead	Resident rang about a loud 'underground' rumbling noise coming from the plant	Investigation did not identify any sources matching the noise description. Normal plant operational activity occurring at the time.	22/06/2021 03:50	Alfred Street, Peterhead	Resident rang about a fire alarm	Audible alarm deactivated before MFS arrived. Smoke detector triggered a fire alarm in 4A load centre. Load centre smoke detector sensor heads and bases changed.	28/06/2021	Sandwell Street Peterhead	Generator noise - starts in the afternoon and runs continuously to late in the evening. Tuesday 22/6/21, 3.30 pm to 7.30 pm Friday 25/6/21 3.30 pm to 10.30 pm Saturday 26/6/21 - all day .	Site investigation identified there was no generator or similar noise source in use at these times.
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