



*Adelaide Brighton Cement Ltd*

ABN 96 007 870 199

## QUARTERLY NOISE MANAGEMENT REPORT FOR BIRKENHEAD WORKS

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### **COMPLIANCE DATE: 15/11/19 – Quarter 3, 2019** **EPA Licence 1126: Noise Management Plan (U-787)**

**Licensed site: Adelaide Brighton Cement, Birkenhead Works**  
**62 Elder Road, Birkenhead, SA 5015**

**Date of Submission: 15 November 2019**

**Version Number: 1**

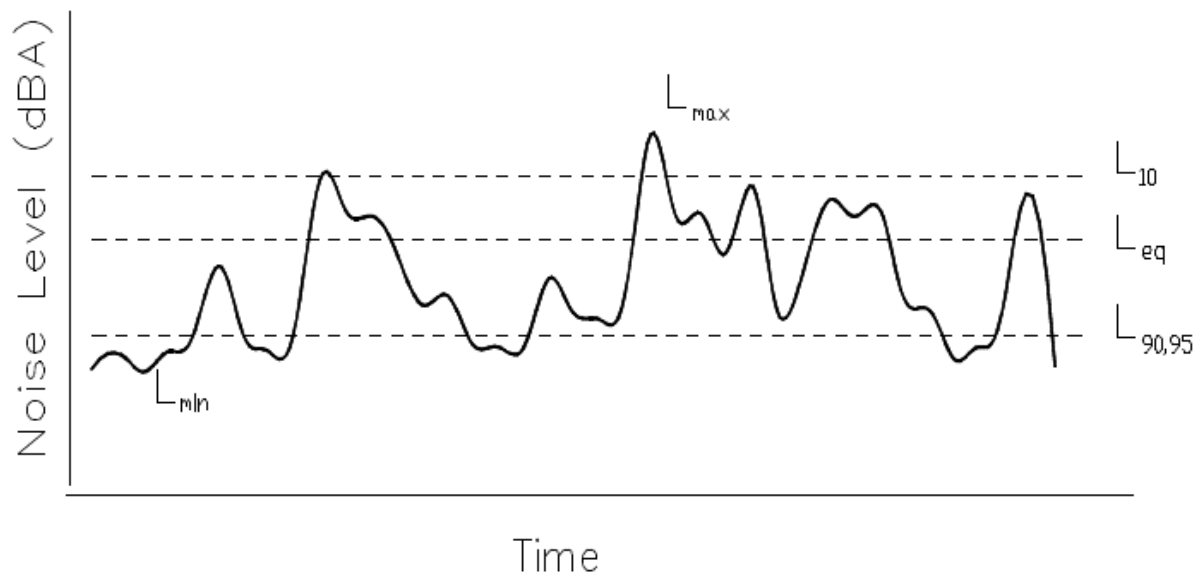


Report Submitted by: Environmental Engineer

*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.
- L<sub>1</sub>** The noise level which is equalled or exceeded for 1% of the measurement period. L<sub>1</sub> is an indicator of the impulse noise level, and is used in Australia as the descriptor for intrusive noise (usually in dBA).
- L<sub>10</sub>** The noise level which is equalled or exceeded for 10% of the measurement period. L<sub>10</sub> is an indicator of the mean maximum noise level, and is used in Australia as the descriptor for intrusive noise (usually in dBA).
- L<sub>90</sub>** The noise level which is equalled or exceeded for 90% of the measurement period. L<sub>90</sub> 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<sub>eq</sub>** The equivalent continuous noise level for the measurement period. L<sub>eq</sub> is an indicator of the average noise level (usually in dBA).
- L<sub>max</sub>** 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

<b>Monitoring Objective</b>	<p>The quarterly report will include where applicable:</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• Details on the progress of noise attenuation projects including effectiveness.</li> <li>• Details of noise monitoring reports.</li> <li>• Details of noise minimisation activities.</li> </ul>												
<b>Monitoring Plan</b>	<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:  <a href="http://www.birkenheadcommunity.com.au">http://www.birkenheadcommunity.com.au</a></p>												
<b>Noise Complaints Summary</b>	<table border="1"> <thead> <tr> <th data-bbox="320 584 517 674">Date and Time</th> <th data-bbox="517 584 804 674">Location</th> <th data-bbox="804 584 1096 674">Description</th> <th data-bbox="1096 584 1490 674">Action Taken</th> </tr> </thead> <tbody> <tr> <td data-bbox="320 674 517 943">8/08/2019 01:00</td> <td data-bbox="517 674 804 943">Hilton Street</td> <td data-bbox="804 674 1096 943">Squeaking noise - like a bearing</td> <td data-bbox="1096 674 1490 943">Investigated and identified the source to be most likely a roof vent "whirly bird" or belt drive on an air conditioning unit from a property located near to the complainant.</td> </tr> <tr> <td data-bbox="320 943 517 1211">25/09/2019 23:46</td> <td data-bbox="517 943 804 1211">No address provided - one street back from plant</td> <td data-bbox="804 943 1096 1211">Loud Crashing / Banging Noise</td> <td data-bbox="1096 943 1490 1211">Investigated and identified the source to be most likely associated with a truck driver slamming the tailgate on a tipper body to release stuck material. Requirement not to slam tail gates on tipper bodies was reinforced with the driver and contractor</td> </tr> </tbody> </table>	Date and Time	Location	Description	Action Taken	8/08/2019 01:00	Hilton Street	Squeaking noise - like a bearing	Investigated and identified the source to be most likely a roof vent "whirly bird" or belt drive on an air conditioning unit from a property located near to the complainant.	25/09/2019 23:46	No address provided - one street back from plant	Loud Crashing / Banging Noise	Investigated and identified the source to be most likely associated with a truck driver slamming the tailgate on a tipper body to release stuck material. Requirement not to slam tail gates on tipper bodies was reinforced with the driver and contractor
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<b>Noise Monitoring Reports &amp; Minimisation Activities</b>	<p>There was no noise monitoring undertaken in this quarter.</p>												