



**Adelaide Brighton Cement Ltd**

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## ENVIROMENTAL IMROVEMENT PROGRAMME (EIP) QUARTERLY REPORT FOR BIRKENHEAD WORKS

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**COMPLIANCE DATE: 15/11/2020 – Quarter 3, 2020**

**EPA Licence 1126: Environmental Improvement Programme (U-583)**

**Licensed site: Adelaide Brighton Cement, Birkenhead Works**

**62 Elder Road, Birkenhead, SA 5015**

**Date of Submission: 15 November 2020**

**Version Number: 1**



Report Submitted by: Sustainability/Environmental Engineer

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

<b>Purpose</b>	The purpose of the Environmental Improvement Programme (EIP) is to reduce noise and fugitive particulate emissions from the site.
<b>Background Information</b>	<p>In order to reduce its environmental impact, Adelaide Brighton Cement Ltd, has developed an EIP that contains projects to reduce noise and fugitive particulate emissions. These projects were identified from the following inputs:</p> <ul style="list-style-type: none"> <li>• Adelaide Brighton Cement Limited Report, August 2018, “Assessment of Options Report”</li> <li>• Katestone Environmental Report, August 2018 “Birkenhead Cement Plant – Options Assessment Report”</li> <li>• Katestone Environmental Report 2017 “Air Quality Assessment of the Birkenhead Cement Plant”</li> <li>• Vipac Engineers and Scientists Report, August 2018 “Environmental Noise Model Update”</li> <li>• Vipac Engineers and Scientists Report, February 2019 “Noise model update and Abatement Options”</li> </ul> <p>Thirteen fugitive particulate and three noise improvement projects were identified and incorporated into an EPA approved EIP.</p> <p>EIP project implementation is tracked through the completion of 52 compliance actions over the life of the EIP.</p> <p>The EIP was approved by the EPA on 28 February 2019. The EIP has been revised in accordance with the EIP. The latest EIP - Revision 4 approved by the EPA on the 31/8/2020 is available on the ABC Birkenhead Community Website: <a href="http://www.birkenheadcommunity.com.au/">http://www.birkenheadcommunity.com.au/</a></p>
<b>Reporting Objective</b>	<p>Quarterly EIP progress report providing:</p> <ul style="list-style-type: none"> <li>• Details of steps taken to progress compliance actions</li> <li>• Details of proposed next steps to be taken</li> </ul>
<b>Quarterly Report</b>	<p>The EPA approved EIP revision 4 on the 31/8/2020. The revisions made to Project 2 to allow for the change to a portable wind fence and include changes to the following compliance actions:</p> <ul style="list-style-type: none"> <li>• EIP Project 2 - compliance action 5, revised to: By 29/09/2020, ABC will obtain capital and necessary expenditure for implementing the portable wind curtain</li> <li>• EIP Project 2 - compliance action 6, revised to: Subject to obtaining capital approval by 29/09/2020, ABC will complete the installation of the wind curtain by 1/02/2021.</li> </ul> <p>The EIP progress report for the quarter is tabled below</p>

**Adelaide Brighton Cement Ltd (ABC) Environmental Improvement Programme (EIP)**  
**1 March 2019 – December 2022**

<b>EIP Project</b>	<b>Category</b>	<b>Project</b>	<b>Compliance Action</b>	<b>Project Milestones (Compliance actions)</b>	<b>Actions &amp; Outcomes</b>
2	Fugitive Dust - Stockpile emission reduction	Wind curtain - Limestone stockpile	5	By 29/09/2020, ABC will obtain capital and necessary expenditure for implementing the portable wind curtain.	<p>ABC has obtained approval for the expenditure necessary to implement the portable wind curtain.</p> <p>The implementation of the portable wind curtain is planned to be completed 1/02/2021.</p>

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7	Fugitive Dust - Storage/processing buildings	CM6 Clinker Gantry entry air knives	23	By the 28/08/2020, ABC will complete the engineering design to enable capital expenditure approval for installation for CM6 Gantry air knives.	<p>ABC has developed an engineering scope of work to reduce dust emissions from the CM6 clinker gantry doors when vehicles pass through.</p> <p>The system consists of a blower and ducting directing a stream of air around the CM6 gantry door, to minimise fugitive dust emissions from the shed when the door is open.</p> <p>By 30/10/2020, ABC will obtain the capital expenditure for installation for CM6 Gantry air knives.</p>

**Adelaide Brighton Cement Ltd (ABC) Environmental Improvement Programme (EIP)**  
**1 March 2019 – December 2022**

<b>EIP Project</b>	<b>Category</b>	<b>Project</b>	<b>Compliance Action</b>	<b>Project Milestones (Compliance actions)</b>	<b>Actions &amp; Outcomes</b>
12	Fugitive Dust - Storage/processing buildings	CM6 Cladding	39	By 31/08/2020, ABC will complete an engineering study to enable capital approval for upgrading/maintaining the Cement Mill 6 (CM6) building cladding to improve the capture of dust generated from activities inside the building.	<p>ABC has developed an engineering scope of work to reduce dust emissions from the CM6 building</p> <p>Cladding will be applied to seal the building ventilation on the upper section of the western wall. This will improve the capture of dust generated from activities inside the building</p> <p>By 1/12/2020, ABC will obtain the capital expenditure to upgrade/maintain the CM6 Cladding.</p>