



**Adelaide Brighton Cement Ltd**

an **ADBRI** company

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

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**COMPLIANCE DATE: 14/02/2021 – Quarter 4, 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: 12 February 2021**

**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>ABC advised the EPA in December 2020 of changes to the annual plant shutdown and cement mill 6 shutdown timing. The annual plant shutdown has been delayed as critical parts for kiln repairs, and EIP project 2 – (portable wind fence) components, which are sourced from overseas have been delayed due to COVID-19 impacts on shipping. The implementation of EIP projects, 2,5, 6 and 7 are affected by the shipping and plant shutdown delays, and revised implementation dates and EIP will be agreed with the EPA when the availability of parts and shutdown dates are confirmed.</p> <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>
7	Fugitive Dust - Storage/processing buildings	CM6 Clinker Gantry entry air knives	24	By 30/10/2020, ABC will obtain the capital expenditure for installation for CM6 Gantry air knives.	ABC has approval for the necessary expenditure for installation for CM6 Gantry air knives.

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**1 March 2019 – December 2022**

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5	Fugitive Dust - Conveyors	CS2 CR2 CR3 wind shielding	18	Subject to development approval by 10/08/2020, ABC will obtain capital expenditure for the construction of a CS2 CR2 CR3 conveyor wind shielding by 9/11/2020.	<p>ABC has obtained approval for the expenditure required to construct the CS2 CR2 CR3 conveyor wind shielding</p> <p>In summary ABC will:</p> <ul style="list-style-type: none"> <li>• Refurbish the conveyor gantry purlins</li> <li>• Reinstate cladding along the sides of CS2 CR2 CR3 clinker conveyor gantry</li> <li>• Install floor cladding over the existing perforated floor</li> </ul>

**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	40	By 1/12/2020, ABC will obtain the capital expenditure to upgrade/maintain the CM6 Cladding.	<p>ABC has approval for the expenditure to seal the CM6 building ventilation on the upper section of the western wall.</p> <p>ABC will complete the upgrade/maintain the cladding on CM6 by 30/04/2022.</p>