



Adelaide Brighton Cement Ltd

an **ADBRI** company

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ENVIRONMENT IMPROVEMENT PROGRAMME (EIP) QUARTERLY REPORT FOR BIRKENHEAD WORKS

COMPLIANCE DATE: 15/08/2024 – Quarter 2, 2024
EPA Licence 1126: Environment Improvement Programme (U-583)

Licensed site: Adelaide Brighton Cement, Birkenhead Works

62 Elder Road, Birkenhead, SA 5015

Date of Submission: 15 August 2024

Version Number: 1





Report Submitted by: Advisor Environment - C&L (SA/NSW/NT)

Purpose	The purpose of the Environmental Improvement Programme (EIP) is to reduce noise and fugitive particulate emissions from the site.
Background Information	<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"> • Adelaide Brighton Cement Limited Report, August 2018, “Assessment of Options Report” • Katestone Environmental Report, August 2018 “Birkenhead Cement Plant – Options Assessment Report” • Katestone Environmental Report 2017 “Air Quality Assessment of the Birkenhead Cement Plant” • Vipac Engineers and Scientists Report, August 2018 “Environmental Noise Model Update” • Vipac Engineers and Scientists Report, February 2019 “Noise model update and Abatement Options” <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 8 is available on the ABC Birkenhead Community Website: https://adelaidebrightoncommunity.com.au/</p>
Reporting Objective	<p>Quarterly EIP progress report providing:</p> <ul style="list-style-type: none"> • Details of steps taken to progress compliance actions • Details of proposed next steps to be taken
Quarterly Report	<p>Adbri is preparing a new Environment Improvement Programme (EIP), for our Birkenhead facility.</p> <p>Adbri will undertake community consultation on the draft EIP, which details projects to improve the site performance on issues such as dust and noise. Consultation will be via:</p> <ul style="list-style-type: none"> • community drop-in sessions • our community website https://adelaidebrightoncommunity.com.au • email responses through BHCommunity@adbri.com.au <p>After taking into account the feedback gathered during the community consultation, the draft EIP will be submitted to the SA Environment Protection Authority for their final approval.</p> <p>The current EPA approved EIP has been completed following the completion of EIP projects 10 and 12 this quarter. The table below summarises the progress and completion of EIP projects 10 and 12.</p>

Adelaide Brighton Cement Ltd (ABC) Environmental Improvement Programme (EIP)

1 March 2019 – December 2022

EIP Project	Category	Project	Compliance Action	Project Milestones (Compliance actions)	Actions & Outcomes
10	Fugitive dust - Sealing exposed unsealed surfaces	Seal area North of Kiln Amended Seal area south of 4A ESP	35	<p>Subject to capital approval by 1/07/2019, ABC will seal 1200 m2 of unsealed surface area to the North of the kiln by 2/09/2022.</p> <p>AMENDMENT: <i>Sealing of the area north of the kiln is dependent on completion of a separate project which may not now be progressed. An alternative area south of 4A ESP is now proposed to be sealed instead by 31 December 2023.</i></p> <p>AMENDMENT: <i>The intention was to seal the surface area south of 4A ESP with a trial a lower carbon footprint concrete. The scheduled trail to produce a lower carbon footprint at the Angaston plant has been deferred due to market requirements to 2025. Access to seal the surface, has to be rescheduled to occur after the 2024 plant shutdown, as the area is currently being used to store steel work for replacement of 4A stack during the 2024 shutdown. The area south of 4A ESP is now proposed to be sealed instead by 31 May 2024.</i></p> <p>Project Completed:</p>	<p>ABC has sealed 537m2 of unsealed surfaces on the south side of 4A ESP with bitumen.</p> <p>The EIP project was completed on the 15/05/2024.</p> <p align="center">Photograph before sealing.</p>  <p align="center">Photograph after Sealing</p> 


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12	Fugitive Dust - Storage/processing buildings	CM6 Cladding	41	<p>Subject to capital approval by 1/12/2020, ABC will complete the upgrade/maintain the cladding on CM6 by 31/5/2024.</p> <p>AMENDMENT: <i>Completion date has been amended to 31 December 2023, as a shutdown of CM6 is required for implementation of this EIP.</i></p> <p>AMENDMENT: <i>Completion date has been amended to 31 May 2024, as a shutdown of CM6 is required for implementation of this EIP.</i></p> <p>Project Completed:</p>	<p>This project was scheduled to occur during the Cement Mill 6 (CM6) shutdown which was planned for April 2022.</p> <p>The shutdown of CM6 mill has been delayed and is now currently scheduled for October 2022.</p> <p>ABC was unable to secure contractors to undertake the work during the CM6 shutdown and is looking for the next available opportunity.</p> <p>There has been no planned shutdown of CM6 to enable this project to be progressed, and the time frame for completion of this EIP is to be amended to 31 May 2024 as a shutdown of CM6 is required for implementation of this EIP.</p> <p>The scope of work was changed to enable the cladding to be undertaken without a shutdown of CM6.</p> <p>Cladding has now been applied to seal CM6 building ventilation on the upper section of the western wall of.</p> <p>The work was completed 4 April 2024. Reduction in off-site PM₁₀ dust concentration is not able to be quantified for this project, however it is expected to assist in reducing nuisance dust.</p> <p>Before and After photographs below</p>

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					<p data-bbox="1451 240 2141 272">Photograph before sealing the open ventilation area.</p> 

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1 March 2019 – December 2022

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					<p data-bbox="1464 236 2128 268">Photograph after sealing the open ventilation area</p> 