



Adelaide Brighton Cement Ltd

Welcome

Our regular community newsletters are one of the ways we keep you up to date with what is happening at Adelaide Brighton Cement's Birkenhead plant.

Cover image : Future Little Athletes in training at Little Athletics SA proudly supported by Adelaide Brighton Cement.

Birkenhead

COMMUNITY NEWS

Adelaide Brighton Cement and SA Little Athletics working together to promote a happy, healthy lifestyle for kids in South Australia

South Australia's smallest athletes will benefit from a new partnership between Adelaide Brighton Cement and Little Athletics SA.

Adelaide Brighton Cement is thrilled to announce a new partnership as a major sponsor with the South Australian Little Athletics Association for the 2017/2018 season.

Adelaide Brighton Cement sponsor a number of not for profit organisations throughout South Australia and are excited to now make a positive contribution to such an important grassroots sport.

The partnership with Little Athletics is a great fit because, like Adelaide Brighton Cement, Little Athletics invests at a local level to build stronger local communities. At Little Athletics, large numbers of parents are required to operate a Little Athletics Centre providing the basis for close community involvement.

It's important to Adelaide Brighton Cement that all of their sponsor partners create a better future for South Australians – and Little Athletics certainly does that!

EDITION AUGUST 2017

Fast Facts

Natural gas is the main fuel used in the clinker kiln at the Birkenhead plant.

Power is used for clinker grinding to make cement and drive other auxiliary machinery.

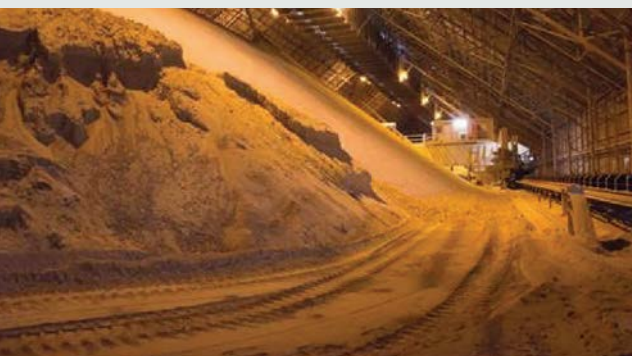
Tyres are not used in the Birkenhead cement making process. There is no plan to introduce tyres into the cement making process.

Process Engineered Fuel, typically commercial and industrial demolition waste and primarily timber based, displaces gas in the clinker kiln. The Environment Protection Authority (EPA) approved renewable fuel has reduced our carbon footprint, lowered our energy costs and provided benefits for South Australia by the reduction of waste to landfill.

Adelaide Brighton employs 450 people in South Australia. As a result of its operations and investment in the state, it contributes to approximately \$400 million annually to the South Australian economy.

NOISE REDUCTION IMPROVEMENT PROGRAM

A key focus of our environmental improvement program in 2016 and 2017 was the implementation of projects to reduce noise emissions from the Birkenhead plant. Our objective has been to discuss with the community our priorities for noise impact, and then take a range of actions to reduce noise.



The operational chain assembly of the Limestone Reclaiming Conveyor System in the limestone shed has been replaced.

Completed noise reduction projects

Six major noise improvement projects totaling more than \$1 million were completed in 2016 and 2017 during our annual maintenance shutdowns. These projects have significantly reduced noise levels in the adjacent community.

1

The operational chain assembly of the Limestone Reclaiming Conveyor System in the limestone shed has been replaced. Community feedback has been very positive, with some noting that "noise can no longer be heard" from the chain assembly.

2

Installation of an energy efficient and quieter motor system in the Cement Mill 1 Dust Collector has been completed. This has resulted in a significant noise reduction.

3

Installation of an upgraded noise reduction silencer in Stack 4B.

4

The design, manufacture and installation of an effective noise abatement solution for the Cement Mill Compressor building has been completed, resulting in noise no longer being heard from the original outlet source.

5

Two new silencers were installed on the dust collectors during the March 2017 shutdown.

6

An independent vibration study was completed in 2016.

Further information about noise and vibration can be found on our website www.birkenheadcommunity.com.au

Independent stack emissions improvement study

As part of our Community Liaison Group and EPA endorsed Environmental Improvement Program (EIP), Adelaide Brighton Cement commissioned leading global cement industry technical experts, FLSmidth, to undertake a 'Stack Emission Improvement Study' of all its stack emission control equipment.

The revised EIP compliance actions now include:

A comprehensive upgrade of both the 4A Bypass and the 4A Gas Conditioning Towers (GCT) Spray Conditioning Systems, which is expected to significantly lower site stack particulate emissions. Relevant infrastructure was installed during the March 2017 annual shutdown, and the project is expected to be completed by October 2017.

A comprehensive upgrade of the 4A Clinker Cooler Baghouse Controller and Particulate Detection System, which is expected to lower particle emissions from 4A tower. These improvements will enable bags, which are not performing to standard, to be immediately detected and isolated. This will also allow for the continuous optimisation of the cleaning and monitoring cycles of the bags, which will minimise wear and is expected to lower particle emissions from the 4A tower stack. These projects were completed during the March 2017 annual shutdown.

Further information about emissions improvements can be found on our website www.birkenheadcommunity.com.au



The Birkenhead Plant is centrally controlled and continuously monitored.

Annual shutdown

To ensure the ongoing reliability and performance of equipment at the Birkenhead Plant, maintenance shutdowns form a critical part of our operations. Each year we undergo a major maintenance shutdown to carry out necessary work on various areas of the plant to improve overall efficiency, environmental performance and implement major environmental improvement projects.

The 2017 Birkenhead shutdown was conducted in March and April, with up to 300 employees and contractors working at the plant on a 24/7 basis.

Adelaide Brighton has invested more than \$2 million in these environmental projects.

Through the employment of contractors, sourcing of machinery parts and engineering works, the Birkenhead Plant shutdown provides a significant financial contribution to the South Australian economy.

Further information around improvements can be found on our website.



The Birkenhead Plant is a proud South Australian company with over 100 years of history at Birkenhead. The plant is strategically located adjacent to deep water port facilities, enabling receipt of limestone from the Yorke Peninsula and for export of cement to the eastern states.

AUGUST 2017

OPPORTUNITIES



KATIE GREENWOOD

THIRD YEAR
CHEMICAL ENGINEERING STUDENT
UNIVERSITY OF ADELAIDE

Adelaide Brighton Cement provides training opportunities for university students

The Birkenhead and Angaston plants in South Australia provided an opportunity for Chemical Engineering students from the University of Adelaide to undertake a three month graduate program from December 2016 to February 2017.

Adelaide Brighton Cement is long term committed to providing meaningful training opportunities for university graduates.

Adelaide Brighton Cement is an inclusive workplace that values and promotes diversity. One of our best qualities is our diverse workforce, extending across different cultures, backgrounds, nationalities and languages. We believe that encouraging and fostering diversity enables us to attract people with the best skills and broad range of attributes, to deliver better value to our customers and communities.

Our next community liaison group meeting

The next meeting is scheduled for **Monday, 21 August 2017, 7:00pm** at the Port Adelaide Town Hall, Nile Street, Port Adelaide.

OCTOBER 2017

Licence renewal

Our current Birkenhead EPA licence is due to expire in October 2017. We are currently working with the EPA on new licence requirements, with the initial meetings having a particular focus on air quality.

As a local resident, we encourage you to let us know how you feel we can improve our licence conditions.

To provide feedback, please visit our community website www.adelaidebrightoncommunity.com.au, review our existing licence and initiatives and provide any feedback via the 'Contact Us' tab on the front page.

Alternatively, you can provide your feedback through the resident members of the **Community Liaison Group**.

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Further information visit
www.adelaidebrightoncommunity.com.au

Email us at
BirkenheadCommunity@adbri.com.au

During the hours of 8:30am and 5:00pm,
you can reach us on **8300 0300**

For matters that arise after hours,
please contact our Community
Hotline on **8300 0520**



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