

Boral Cement Berrima 2018 Whole of Community Meeting Notes

Meeting Date:	2 August 2018
Meeting Location:	E2 Events, Old Hume Highway, Berrima
Community Attendees:	Cr Ian Scandrett (Wingecarribee Shire Council) Andrew Wood Mike Meldrum
Boral Attendees:	Stuart Hutchings (Operations Manager, Berrima Cement) Ibrahim Murrahem (Environment Manager, Berrima Cement) David Spears (Snr Project Mgr, Boral Cement Engineering Services) Michael Curley (Occupational Health & Safety Mgr, Berrima Cement) Madeline Westnidge (Administration Coordinator, Berrima Cement) Paul Jackson (Stakeholder Rels Mgr, Boral Land & Property) (Chair)
Apologies:	Sue Wallace (Resident) Noel Ferguson (Resident)
Distribution:	Boral Cement Berrima website (www.boral.com.au/berrimacement)
Disclaimer:	<i>These notes are taken from presentations and conversations which formed part of this meeting. The content of this document, while reflecting an accurate summary of proceedings, should not be taken to represent exact dialogue unless specifically minuted as such.</i>

Meeting Item	Description
Meeting commenced	18:14
Welcome, administration and safety moment	<p>Chair Paul Jackson thanked everyone for their attendance at this first 'Whole of Community' (WoC) meeting for the Berrima Cement Works.</p> <p>Paul explained that the decision to hold an annual WoC meeting arose from the conversion of the community engagement approach for the site to something more aligned to the requirements of the Cement Works' planning consent, and feedback from regular community meeting attendees.</p> <p>WoC meetings will be held at the end of each financial year to act as a 'report back' to residents about the operational, environmental and social performance of the Cement Works over the previous 12 months.</p> <p>'Special' WoC meetings will be organised in the event of a major change or undertaking occurring at the site, or if an issue with broad effect on the local community arises.</p> <p>Paul then handed over to Stuart Hutchings, Operations Manager at</p>

Berrima, to introduce the team and formally commence the meeting.

Stuart acknowledged attendees and colleagues, noting the presence of **Ibrahim Murrahem** as the Cement Works' new Environment Manager, and **David Spears** from Boral's Cement's Engineering arm.

David has been with the organisation for many years and has been one of the leads on the Cement Works' new Solid Waste Derived Fuels (SWDF) system. Both gentlemen introduced themselves and gave an overview of their career history.

Paul then asked if there were any matters arising from the last general community meeting held on 27 July 2017. There being none, two apologies were noted before a 'safety moment' was shared with the group.

It was explained that a safety moment is a standard part of Boral's meeting processes. It involves participants sharing an incident or observation they had noticed with a view to creating learnings for everyone present.

Following the offering of a safety moment by the Boral team, the meeting continued on with business.

Year in Review:
Production and
Safety

Paul then asked Stuart to offer his review of the last 12 months' events at the Cement Works.

Stuart began by outlining the site's safety record for the past year which has been very good with only one Medical Treatment Injury (MTI) and two Lost Time Injuries (LTI) during the 12 month period.

The impressive increased rates of active safety monitoring and hazard reporting were touched upon, as were a number of initiatives put in place to support safe work habits.

In terms of production, Berrima achieved its second highest output on record since the 2004 upgrade of Kiln 6. Almost 1.5 million tonnes of clinker was produced, with 1.25 million of this converted to cement product at site.

Questions asked and comments made during this section:

- **Question (Q):** *What is the risk of a train derailing on your spur line?*

Response (R): *We've spent a lot of money on the rail line in recent years, replacing wooden sleepers with concrete ones, and replacing hundreds of metres of line. Our switch points are now also fully automated.*

- **Q:** *Have you been looking at how to reduce your power consumption as used by the mill grinding process?*

R: *Yes. We've been conducting a number of investigations into where we can save power at the cement mill, and these are ongoing.*

- **Q:** *What manufacturing process is in place at your Waurin Ponds site in Geelong now? We understand you're importing clinker?*

R: *Yes. The kiln at Geelong was closed during 2013 in favour of importing clinker through the local port and transporting it out to the site*

for grinding. We're about to build a new grinding plant at the portside worth around \$100 million which we hope will be operational by 2022. This will remove the need to transport materials across the city.

Solid Waste
Derived Fuels
(SWDF) update

Paul then invited Stuart to update the group on progress with the site's new Solid Waste Derived Fuels (SWDF) energy system.

Stuart announced that construction of the SWDF system was now complete and that the commissioning process was about to start. This testing and verification period will take between six and eight months.

Deliveries of the SWDFs will take place between 6am-6pm Monday to Friday, and 7am and 1pm on Saturdays. Stuart said between six and 10 trucks a day are expected to bring the SWDFs to site.

Attendees were asked to provide feedback to the site of their experiences during the commissioning period as this would help guide necessary adjustments to the process should they be required.

The group was then showed a video of the construction process and the equipment during initial testing.

Questions asked and comments made at this point of the meeting

- **Q:** *What percentage of the energy mix will the SWDFs provide?*

R: *We will start with just a few tonnes per hour before eventually moving up to 20 tonnes per hour. We are approved to consume 100 000 tonnes each year but initially we won't be able to achieve that without major adjustments to our plant.*

- **Q:** *Using the SWDFs will include burning tyres?*

R: *No. Although we hold an approval to use rubber tyre 'chips' as an SWDF, we are not planning to do so at this time. At present, these 'chips' are quite expensive to obtain.*

- **Q:** *Does Boral get paid to take the SWDFs into the kiln?*

R: *There is a fee which is paid which adds to the commercial viability of our moving in this direction for our energy needs.*

- **Q:** *Can you define what the Refuse Derived Fuel (RDF) is?*

R: *RDF consists of the combustible elements recovered from construction and demolition wastes. Things like wood, paper, cardboard and some plastics. It does not include organics, metals or glass. RDF is carefully processed to specification for use in the kiln. It's important for everyone to know it is not simply made of any old waste that might end up in your 'red' domestic bin or skips.*

- **Q:** *Do the SWDFs arrive at site already processed? Or do you have to manage that on site?*

R: *Our contracted suppliers handle the processing at their facilities so that the materials achieve specification. All we will do is unload it and*

feed it into the system.

- **Q:** *Are the SWDFs burned individually or are they put together with something in the kiln?*

R: *The SWDFs are blended with 'traditional' coal to provide the necessary energy. The benefit comes from replacing the equivalent amount of coal with the SWDFs, although we have to be careful to ensure the stability of temperatures in the kiln so that clinker quality is not impacted.*

- **Q:** *What are the emission levels like when using SWDFs compared with coal?*

R: *Levels come out lower. Using SWDF does not produce as much carbon dioxide or greenhouse gases as you get with just 100 percent coal.*

- **Q:** *Will SWDFs allow you to fully replace coal as a fuel energy source then?*

R: *Not initially, but who knows what technology and the future holds? Our conservative aim is that SWDFs can eventually make up to 50 percent of the process.*

- **Q:** *Will you be stockpiling the SWDF material at site? How does it arrive?*

R: *The materials are delivered from our suppliers in Sydney by B-Double trucks which can hold around 170 cubic metres. We can hold up to 200 000 cubic metres within the intake shed. Our system is set up so the fuels are used in 'real time'. We shouldn't therefore need to stockpile and certainly don't have any plans to.*

- **Q:** *How many sources are there for the SWDFs?*

R: *We've secured two supply contractors and we're talking to a third.*

- **Q:** *Where are the supplies coming from?*

R: *Our contractor's facilities located at Eastern Creek and Wetherill Park in Sydney.*

- **Q:** *Does your coal come into the site by train?*

R: *No. It is all delivered from the Illawarra by truck.*

- **Q:** *What is the crane system in the top of the SWDF shed (pictured)?*

R: *It's a custom system designed by Schenk, a leading firm in materials handling.*

- **Q:** *Have you included a condition within your contracts around particle size within the SWDFs?*

R: *Yes. It's part of a range of specifications which have been written to ensure the quality of the SWDFs, therefore ensuring that we have a 'clean' burn which keeps kiln temperatures stable.*

- **Q:** *Once it's all up and running, is it possible to organise an inspection*
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for the community?

R: Yes.

- **Q:** *Where did the steel used to construct the system come from?*

R: *It was a mixture of sources. The steel used for the building is Australian sourced, however the steel used in the conveyor systems had to come from overseas.*

Year in Review:
Environment

Paul then handed the meeting over to Ibrahim so he could update attendees on the year's environmental monitoring and performance.

Ibrahim began by outlining for the group the various reporting, plans and information the Cement Works must supply to regulating authorities, most of which can be found on the Berrima website.

He then reported on the site's annual noise compliance audit, stating the Cement Works had once again met its obligations, with two minor recommendations made in the spirit of continuous improvement.

The results of air and water quality monitoring were then shown to the group.

Ibrahim concluded by relaying the current use of rabbit baits at the Cement Works to attendees, improvement measures being implemented for dust management, progress with planting, and a reminder about the site's Pollution Incident Response Register.

Questions asked and comments made at this point of the meeting

- **Comment (C):** *The trees near the Engineering building at the Cement Works, which are historic plantings, look terrible at the moment.*

R: *Unfortunately all of our available resources are being directed toward our core business of production and setting up the SWDF system. We will, however, look into what's happening.*

- **Q:** *Could the gum trees around the edges of the site be used to help with encouraging koalas and supporting those that are rescued?*

R: *Those trees were originally planted in the hope that they might one day support the 'wild' koalas in the area, if indeed there are any.*

- **Q:** *It's been discussed previously that one of the most prominent noise sources on site are the cooling fans. I understood the site was going to go for larger fans as a way of mitigating this?*

R: *During the past two general 'shut downs' we replaced the panels on all fans with ones designed specifically to reduce noise outputs.*

- **Q:** *What is the limit for PM10 particulates in your air quality monitoring?*

R: *It was 100 micrograms per cubic metre of air average, however with the introduction of SWDFs, our licence was changed so that the limit drops to 50 micrograms when they are in use.*

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- **Q:** *Does the Cement Works still pump water directly from the Wingecarribee River?*
R: *When our on-site water supplies get low, yes, we do pump from the river.*
 - **C:** *The site should be mindful of the potential for birds to get poisoned by baited rabbits.*
R: *Noted.*

Community and General Business

Paul then highlighted the year's activities in the community which had received support from the Cement Works, as well as other community engagement.

He began by recapping the discussion had at the previous 'open' community meeting for the site in July 2017 about the changes being made to communications by the Cement Works.

These changes, made to ensure the site aligns more directly with the provisions of its planning approvals, includes the re-establishment of the Community Liaison Group (CLG) for the Cement Works.

Paul mentioned that 'expressions of interest' to join the CLG will be called in the coming weeks, with up to four community representatives sought.

The range of community events and initiatives supported by the Cement Works during the year was then outlined.

Paul then asked for any items of general business from attendees. A question was asked whether the results of water quality monitoring at the site were shared with Wingecarribee Council – this was confirmed.

It was also asked whether Boral would be supportive of the establishment of an electricity generating solar farm in the area if such a proposal was received. The question was taken on notice for internal discussion.

There being no further business, Paul drew the meeting to a close and thanked everyone once again for their time.

Meeting Close 20:14
