

Boral Dunmore Operations

A source for the growth of our region and state

February 2019

Providing critical materials for building and construction across the Illawarra, South Coast and as far away as Sydney, Boral's Dunmore-based businesses make a vital contribution to growth and development of regional and state significance.

Connect with **Boral Dunmore**

Quarry: 4237 2000
 Sand & Soil: 4237 8414
 Concrete Plant: 4237 5421
 Email: feedback@boral.com.au
 Hours: Activity occurs 24 hours
 Check website for detail.

Seeking more sand...

Boral operates two quarries next to the Princes Highway 'straight' at Dunmore. There's our 'hard rock' quarry, sited in the hillside above, and our sand quarry which includes the ponds next to the motorway.

Our sand business is known by its original pre-Boral name of **Dunmore Sand & Soil**, or **DSS**. What started as a family operation is now one of Boral's two key sources of sand supplying the NSW building market.



With our long coastline, it may seem there's no shortage of available sand across the state. However, not all sand is suitable for producing basic construction materials like as **concrete** and **asphalt**.

Accordingly, access to **'natural'** sand resources is becoming more difficult. Environmental and economic considerations of extracting new resources add to the challenge, yet high demand for sand continues.



Setting a new stage...

One way to alleviate this situation is to maximise use of our existing sand extraction sites. We're now preparing plans to do exactly that at DSS.

Working to an approval granted in **2005**, DSS has been quarried over four **stages** using a sand **dredge**.

Ahead of each stage, the **overburden** (top soil and material separating the sand from the surface) is removed, then **excavators** dig into the resource until it begins to fill with water. The dredge is placed in the resulting pond and moves about, sucking up the sandy material within it.

This material is then transferred to the DSS **processing plant** within Boral's land on Tabbitta Road. It is **washed** and **screened** before being transported to customers.

The dredge is currently extracting **Stage 3**, south of Tabbitta Road, having been relocated from the northern side in 2016. This part of the resource will support the operations until **2020**.

Noting the rate at which the resource is being consumed, a while ago we started to investigate and plan for the next stage of extraction.

Our plans involve two resources we've identified on private land south of the DSS operations, between the Princes Highway and Riverside Drive.



More information? www.boral.com.au/dunmore.

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We're now preparing a planning application for submission to the **NSW Department of Planning and Environment** seeking to **modify** (for the second time) DSS's approval, allowing for a **Stage 5** of extraction at the new location. We're on target to lodge '**MOD 2**' by the start of **March**.

If approved, the Stage 5 workings will be broken into two parts. **Stage 5A** will involve a portion of land adjacent to **Riverside Drive** which contains **one-to-two** years' supply of sand.



Stage 5B takes in part of the rear of the same property, out of general view from both Riverside Drive and the motorway. This will offer around **four-to-five years'** of extraction opportunity.

In each instance, once overburden is removed, the excavators will again initially dig out the resource before the dredge is placed in the new pond.

To avoid adding additional trucks to the roads between Stage 5 and the existing processing plant, a **pumping pipe** system will be installed which will deliver the collected sand material back to Tabbitta Road.

Once extraction has been finalised, the Stage 5A pond will be refilled with '**clean**' material, restoring the current paddocks. To assist with filling, a new access will need to be built joining the current intersection of Riverside Drive and the road into the **Kiama Recycling Centre**.



No other changes are proposed - the present annual production limit will be maintained, as will operational hours and transport arrangements.

The Department's assessment process includes a period when the application documents are **exhibited** for public comment. It's part of our usual approach to advise everyone once those dates are known.

We welcome any questions or comments you may have in the meantime. Email us at feedback@boral.com.au, or give us a call on **9033 5535**.

Re-using clean earth...

*At the same time as MOD 2, we're also preparing a third modification request (**MOD 3**) for DSS which, if approved, will assist in creating a new product line at the site while alleviating a looming environmental challenge.*

With the once-in-a-generation volume of construction (notably **tunnelling**) occurring in Sydney, a very significant amount of '**clean fill**' is being created. Also referred to as **Excavated Natural Material (ENM)** and **Virgin Excavated Natural Material (VENM)**, space to hold this fill around Sydney is running out.

We've identified that if this fill is placed within our existing ponds and then dredged along with the sand resource, it blends into a usable building and construction product.

Accordingly, we've decided to seek approval to **import** up to **100 000 tonnes per year** of the fill for this blended extraction process, and have started to prepare MOD 3 for the Department's consideration.

As with MOD 2, **no other changes** to the current operations are proposed under MOD 3. The entire importation and extraction process can take place within our existing landholding on Tabbitta Road.

MOD 3 will follow a similar process as MOD 2 and include a **public exhibition period**. Again, we'll advise once the dates are known, and encourage your direct questions and comments about the proposal to us via the **feedback** email address, or by calling **9033 4401**.



Did you know?

*The **Boral Dunmore** ('hard rock') **Quarry** has been continuously extracted since **1921**.*

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