

Boral Stonyfell Quarry Community Update

October 2016

This Community Update has been issued in the wake of recent storms Adelaide has experienced, to inform you, as neighbours of our Boral Stonyfell Quarry, about our operations and how we are managing our water runoff to minimise any effects upon the waterways of Adelaide.

About Stonyfell Quarry

The Stonyfell Quarry is one of Adelaide's oldest quarries, having been in operation since 1837.

The quarry was acquired by Boral when it became the primary shareholder of Quarry Industries Ltd in the 1980s.

The site is located at the base of the Adelaide Hills 'Face Zone'.

The material currently extracted from the site consists of sandstone and quartzite.

The quality of the resource and its close proximity to the CBD has helped to shape the Adelaide skyline as we know it.

Our products include road base, aggregates and sands for use in mainly concrete manufacturing.

Primary site activities include drilling, blasting, extraction, loading, crushing and processing of rock, and transportation of processed products from the site via heavy vehicle.



One of the 'detention basins' on site

Managing water runoff

The quarry is situated toward the top of the Second Creek catchment, with runoff discharging directly into the stormwater network, and ultimately into Second Creek via a branch named Ferguson Creek.

The quality of stormwater leaving the quarry is important to us. We have built a number of structures on our site to control and remove sediment, and have commissioned a number of studies to investigate their effectiveness and optimisation.

When it rains, surface water runoff from the hills face and extractive operating areas is directed via on-site roadside drains to a series of nine interconnected detention basins. Stormwater flows are slowed via these basins, which act as a natural filtration system. This allows sand and sediment to drop out of suspension before the water reaches a final series of three vegetated ponds which further filter the water before the water flows off-site over a V-notch weir and into the creek network.

The site also has a variety of erosion controls in place and an ongoing progressive revegetation program, which minimises erosion during heavy rainfall events and aims to improve the visual amenity of the quarry.

The role of the EPA

The Stonyfell Quarry's EPA License (Number 1630) identifies Boral's obligations and requirements toward water quality discharge monitoring at the site.

After changes to the monitoring requirements for Boral's EPA licence in 2015, a Water Monitoring Plan (WMP) was developed to satisfy the licence's conditions.

This WMP aligns to the *Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZECC 2000)* which provides guidance for assessing sediment quality.

The EPA has approved the WMP and its current implementation at the quarry.

As the storm and high rainfall events such as what we experienced recently are unprecedented, we are implementing measures to ensure levels of sediment run-off are within satisfactory levels to protect our waterways.

The data gathered through the WMP helps to inform management decisions across the business, as well as identify potential opportunities and implement retention strategies to improve water quality.

Whilst the EPA is satisfied with Boral's current WMP, we are committed to continuously improving our operations.

We are currently investigating how we can further improve water draining systems on site at Stonyfell Quarry and will continue to work closely with the Burnside Council, the EPA and other key stakeholders on any modifications.

Contact us

We welcome your comments and feedback relating to our Boral Stonyfell Quarry operations.

Phone us: **0401 895 701** (Stakeholder Relations Advisor)

Email us: feedback@boral.com.au

Visit our websites:

www.boral.com.au/stonyfell

www.boral.com.au/feedback



Stonyfell Quarry's current stormwater flow