



# White Rock Quarry Community Update March 2023

## Welcome to the White Rock Quarry Community Update – March 2023

### MOP Update

We would like to provide you with a key summary update of the revised Mine Operations Plan (MOP) to be resubmitted to the Department for Energy and Mining (DEM) by 31 March 2023.

Hanson will upload the resubmission documents on the website, <https://www.whiterockquarry.com.au> in April.

### Acknowledgment

Hanson would like to thank and acknowledge the support provided by all stakeholders engaged over the past months, Traditional Owners, Regulatory bodies, Community, interest groups, Council, MPs, and others. We also thank the independent consultants engaged to undertake site specific assessments and effectively address outstanding matters and feedback received from different stakeholders prior to the December 2020 submission, and since then to the point of resubmission.



## MOP review changes as a result of the Community Consultation Process.

### Quarry Development Plans

As an outcome of the engagement process, Hanson have excluded stages 4 and 5 from the initial proposal and redefined the proposed quarry development and rehabilitation plans, retaining the westward facing hill to provide a visual barrier to the quarry for residents of Skye.

Extraction plans have been further revised to reflect the exclusion of the geological feature known locally as the 'Bachelor Pad' from the development footprint. This decision came as a direct result of both Aboriginal and Community consultation and feedback.

The MOP Review maps / plans have been revised and updated to include the staged extraction, overburden management and progressive rehabilitation for the Site.

### Environmental Modelling

Quarry development proposals adopted a conservative approach based on a maximum throughput of 500kt per annum to account for an absolute worst-case scenario. For reference, historical demand for products from the Site has averaged to approximately 300kt per annum over the past 10 years.

### Noise, Dust and Air quality

We are committed to keeping our people, our neighbours and the community safe. Monthly reports provided to the EPA and DEM have demonstrated that the quarry complies with the SA EPA Air Quality Policy. Data and laboratory analysis collected have been well below the Air Quality Criteria adopted by the SA EPA. Hanson are committed to continue monitoring for both Dust and RCS with monitoring equipment located on Old Coach Road as agreed with the regulators.



Images: New equipment to assist with air quality monitoring.

Hanson decommissioned the fixed crushing plant in December 2021 and are utilising a mobile crushing plant within the pit. The mobile plant allows better noise and dust management practices than the fixed plant and moves crushing operations into a more protected area, further away from the quarry entry and exit.

### Water Quality

Stormwater Management Plans (SWPs) have been updated for each stage of development. As the quarry develops the management of water needs to change as well. This includes catchment details and associated hydrology features. The SWP-2022 was developed with the intent to inform the long-term surface water management framework for the Site and will be subject to review throughout the life of the Site to ensure compliance.

The stormwater management measures implemented in 2022 resulted in a 67% reduction in daily threshold exceedances (turbidity guideline trigger value) compared to 2021. Even though 2022 was the wettest year on record since 2011.

The construction of Sediment Basin SB2A is progressing, and we are continuing to implement measures to improve stormwater management and minimise any sediment leaving the site during high rainfall events.

The use of flocculants (to increase the settling rate of sediment within SB2A) has been assessed and included in the proposal and is subject to regulatory approval and Hanson ensuring it will meet rigorous environmental standards.



Image: SB2 under construction.

### Groundwater

In March 2022, further groundwater assessment was undertaken to provide additional information for the MOP Review pit designs. The assessment combined previous information collected during groundwater studies in 2020, and data collected from fieldwork in September and November 2021 which included the drilling of observation wells, groundwater monitoring and sampling.

The pit floors have been designed in accordance with the recommendations of a buffer distance of four (4) m above the groundwater contour map and five (5) m above in areas of increased uncertainty due to

site topography. An ongoing groundwater monitoring program will allow data validation to reduce any uncertainties in the recommended buffer.

**Landscape**

Two geological features located on the Site and known locally as the Bachelor Pad and Pizey's Knob were identified as features of local significance, during the environmental assessment and consultation process.

Proposed development will not encroach further on or otherwise affect these features.

**Aboriginal Heritage**

Hanson have engaged and will continue to work with traditional owners the Kurna people. We acknowledge the support and information provided by the Traditional Owners through consultation and field work undertaken during the development of the MOP Review which has been incorporated into the planning, design and review of the future operations of the quarry. Hanson Construction Materials Pty Ltd (Hanson) are committed to ensuring that this commitment is further supported through the implementation of Hanson's Reconciliation Action Plan as part of Hanson's ongoing commitment to reconciliation.

**Native vegetation**

A Bushland Native Vegetation Assessment informed the location and condition (quality) of native vegetation within the proposed development area. Based upon the outcomes, the condition of native vegetation within the Site varies from poor within the previously disturbed areas to moderate to good within undisturbed areas of the Site. Better quality vegetation is recorded in areas adjacent to the conservation parks. Regionally, the vegetation associations are moderately represented, with high levels of fragmentation.

There were no Nationally listed flora species observed during the survey or known to occur within the Site.

**Native Fauna**

Further fauna Assessment included a review of the threatened species that are likely to occur within the Site and a fauna risk assessment to help inform the potential impacts to threatened fauna species.



Images: The Chestnut-rumped Heathwren, Scarlet Robin and Painted Buttonquail respectively.

The native fauna species, the Chestnut-rumped Heathwren, Scarlet Robin and Painted Buttonquail, shown in the previous image, were identified as a medium risk from future potential impacts based upon the potential preferred habitat availability within the Site. However, the assessment revealed it is unlikely that future quarry development will lead to the long-term decrease in the size of the current populations. Controls and strategies are outlined to be in place to minimise impacts.

**Operating hours**

The Site is currently authorised to operate 24 hours x 7 days per week. Technical assessments were completed to refine the operational hours to:

Operations	Days	Hours
Drilling and blasting	Monday to Saturday	Between 6am – 6pm
Crushing and screening	Monday to Saturday	Between 6am – 6pm
Load and haul	Monday to Saturday	Between 6am – 6pm
Maintenance activities	Monday to Sunday	24 hours as required
Quarry sales	Monday to Sunday	24 hours as required
Concrete plant	Monday to Sunday	24 hours as required
Concrete sales	Monday to Sunday	24 hours as required

Table: Modes and Hours of Operation

## Crushing and Screening

The Site transitioned in December 2021 from fixed plant crushing and screening to mobile plant within the pit. This has provided additional buffer distance and/or shielding for these activities from sensitive receptors to the site.

## Use of Explosives

The Site is attended by a third-party explosive provider on the day of blasting. No explosives are stored on the Site. All blasts are monitored for Vibration and Air Overpressure and require compliance with Australian Standards AS2187.2 – 2006 Explosives – Storage and use.

## Mine Completion Plan

A Post Mining Land Use Plan (PMLUP) has been prepared for the Site to help inform the potential Post Mining Land Use options post closure.

The plan will ensure future quarry development will be designed in a way to maximise options for post mining land uses.

The plan includes areas for cultural heritage, recreational activities, such as bushwalking, designated Rock Climbing areas, Open Space and Multi Use areas. Open Space and Multi use areas include the potential for community gardens, recreational facilities, BBQ's, picnic shelters, walking trails, bike tracks and amenity facilities.

## Find out more

**For more information about the project, or if you would like to speak with a member of our team, please:**

**Phone: (08) 8431 4866**

**Or visit our website:  
[www.whiterockquarry.com.au](http://www.whiterockquarry.com.au)**

To register your interest and book a one-on-one tour, please go to our website <https://www.whiterockquarry.com.au> and fill out the form with your details and request, on our **Contact Us** page. We will contact you to arrange a suitable time.

**Engaging with our Community - We are committed to continue building relationships and working with all people interested in White Rock Quarry.**

*Hanson Construction Materials Pty Ltd acknowledges the environmental, cultural, and economic values in the area surrounding White Rock Quarry (WRQ); we respect the rights held by private and public landowners; we are committed to engaging with the community, listening to community concerns, and feedback; and we seek to be recognised as a valuable contributor to the community and the State's development.*

