

White Rock Quarry Mine Operations Plan Resubmission

Community Consultation Summary 2021 - 2023

<i>Issue</i>	<i>Description</i>	<i>Date</i>	<i>Author</i>	<i>Reviewer</i>
0	Summary Report	28 February 2023	A. Garzon	S. Seal

Prepared by Hanson Construction Materials Pty Ltd

28 February 2023

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Executive Summary

Hanson Construction Materials Pty Ltd (Hanson) operate the White Rock Quarry, located on Horsnells Gully Road, Horsnell Gully, South Australia (the Site). The Site comprises Private Mine (PM) 188 which currently operates under an approved Mine Operation Plan (MOP). Hanson have undertaken a MOP Review process to update the existing MOP under which the Site operates. The MOP Review is undertaken pursuant to *Section 73G (13) of the Mining Act 1971 (the Act) and in accordance with Regulation 82 of the Mining Regulations 2011 (the Regulations)*. At the time of writing this report, the MOP Review document is still in the review phase and has not yet been approved by the Department for Energy and Mining (DEM).

In 2020, Hanson undertook an initial consultation process for its original White Rock Quarry Mine Operation Plan (MOP) Review submission to the Department for Energy and Mining (DEM). The initial consultation report provided a summary of the processes undertaken, the stakeholders' groups, and the feedback received. Refer to "Attachment 39 Community Consultation Summary Report 2020" to the original Review Submission for further information.

Hanson have taken further steps to improve the Community understanding of this process and to make information easily accessible. Communication channels have been established to create a better relationship between parties.

The key outcomes of this consultation process have been the modification to our initial stage development proposal, changing visual amenity impacts and further heritage, fauna and Flora, air quality and groundwater further studies.

The Bachelor Pad has been included as a significant geological feature in the updated MOP review as a direct result of the community consultation process.

Hanson have been committed to listening to neighbours' concerns and engaging diverse stakeholders, including Traditional Owners, regulatory bodies, community, interest groups, Council, MPs, and others.

Independent consultants have also been engaged to undertake site specific assessment and effectively address community consultation feedback and outstanding matters highlighted from different stakeholders prior to the December 2020 submission and in the time since to the point of the resubmission in 2023.

Further scientific studies and reports have provided Hanson with further technical information to be considered and included in the proposed site planning, management, and operation.

Hanson acknowledge the environmental, cultural and economic values in the area surrounding White Rock Quarry. Hanson respect the rights held by private and public landowners. Hanson is committed to engaging with the community, continue listening to community concerns and responding appropriately to community feedback. Hanson is seeking to be recognised as a valuable contributor to the community and State development.

GENERAL

KEY CONSULTATION AVENUES



Meetings and workshops



Website updates and messages



Email, phone and one on one interactions



Site visits from stakeholders

BROAD STAKEHOLDER GROUPS



Community updates & Letter drops

Website Messages

4034

Website unique visitors since going live



37

Website messages received and replied



KEY THEMES:



Heritage



Water quality



Other (Sales, etc.)

Key Themes addressed through Public Participation



Heritage



Flora and Fauna



Air Quality



Visual amenity



Groundwater

Consultation Process

Introduction

The MOP Review post-submission Consultation Process has the purpose of helping stakeholders to identify any lack of information and develop and maintain effective community relations. Meetings with diverse stakeholders have created a collaborative relationship between the quarry and the local communities. The feedback received has helped and will continue to help Hanson to understand community values and concerns. Ongoing and transparent engagement will allow the incorporation of consideration through the life of the quarry.

Hanson have been actively seeking improvements to communication channels with diverse stakeholders.

- ✓ Encouraging opportunities to ask questions, request information and provide feedback through website page.
- ✓ Enabling one on one conversations and offering opportunities to visit the site and get a better understanding of the current and future operations.
- ✓ Engaging with Local Government, Regulators, and other stakeholders to address feedback received.
- ✓ Listening, planning, and acting based on current and future community concerns.
- ✓ Providing information through community updates and fact sheets, and letter drops for community members with an interest in the quarry.

Stakeholder Identification

Community and key stakeholders identified:

- ✓ Surrounding landowners/residents. Community members from directly adjacent land to the quarry.
- ✓ Kurna People.
- ✓ Local State and Federal Ministers.
- ✓ Campbelltown City Council, Burnside City and Adelaide Hills Councils.
- ✓ Government Agencies: Department for Energy and Mining (DEM), South Australian Environment Protection Authority (SA EPA), Department for Environment and Water (DEW), the Hills and Fleurieu Landscape Board, Green Adelaide.
- ✓ Local community groups.
- ✓ ElectraNET.
- ✓ Local business.

Consultation Methods

Messages through the website

Hanson have kept a *contact us* form available to the public to enable direct communication with Hanson's representative. Inquiries are directed to the best internal employee to address any matter raised.

Contact Us

We'd love to hear from you. Fill out the form below and we'll be in contact with you shortly.

First Name *

Last Name *

Phone *

Email *

Company

Position

Message: *

Let's start a conversation. Please let us know how we can help you.

Diagram 1. Contact us form – White Rock Quarry Website

Enabling conversations

For the community to get a better understanding of the site and operations, Hanson provided the opportunity of one on one tours of the site with the Quarry Manager. The website and stakeholders' communications have been updated, including information on how to book tours. Hanson will continue this commitment to help build and maintain relationships with the community on an ongoing basis.

Building Community

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

- Hanson acknowledge the community's interest in White Rock Quarry and have a dedicated Engagement Strategy designed to bridge the gap in communications, information, and shared experiences.
- Recent conversations with our community have revealed an interest in meeting the team, viewing operations, and speaking directly with quarry management.

Hanson would like to provide one-on-one tours for interested residents to continue our commitment to building relationships within our community.

To register your interest and book a one-on-one tour, please go to our [Contact Us Page](#), and fill out the form with your details and request. We will contact you to arrange a suitable time.

Diagram 2. Invitation to visit the site – White Rock Quarry Website

Hanson representatives have been engaged with different stakeholders to discuss key items. Outcomes of the meetings have been collected and helped to inform changes in current operations and planning of future operations and quarry development and rehabilitation plans for the site.

Workshops with government agencies have allowed opportunities to received feedback on the methodologies applied in the MOP review process, including relevant topics such as quarry development and rehabilitation, consultation, project delivery timelines, technical studies and the review of existing, and the development of new, objectives and measurement criteria for the Site.

Stakeholder communication

Hanson have listened to the Stakeholders interest in having access to related MOP Review information. The website incorporates a stakeholder communication section that allows Hanson to share the most up to date information to the interested public. Refer to attachment 1. Stakeholder communication.

[HOME](#) [MINE OPERATIONS PLAN REVIEW](#) [NEXT STEPS](#) [STAKEHOLDER COMMUNICATION](#) [CONTACT US](#)

November 2022

[WRQ Community Update November 2022](#)

October 2022

[Dust & Air Quality Fact Sheet October 2022](#)

June 2022

[WRQ Community Update June 2022](#)

January 2022

[Hanson Letter to Stakeholders January 2022](#)

July 2021

[Hanson Letter to Stakeholders July 2021](#)

Diagram 3. Stakeholder communication – White Rock Quarry Website

To extend the reach of information, community update letters have been sent to community members directly adjacent land to the quarry and other stakeholders identified in the stakeholder register.

Stakeholder Feedback

Common Themes and Statistics

The website has been visited by 4034 unique (unduplicated) visitors since going live and 37 message submissions through the *contact us* form. Messages and feedback received through the website is summarised below:

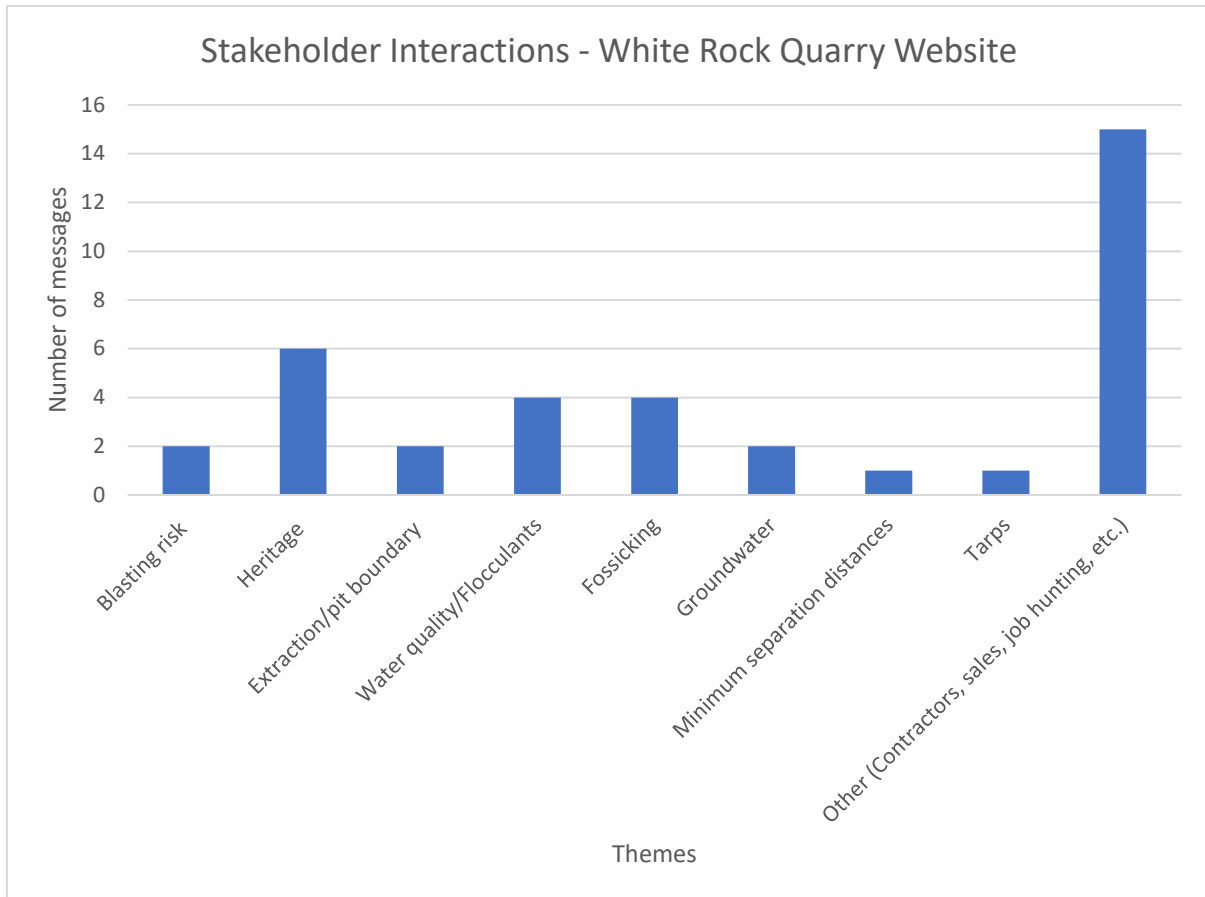


Diagram 4. Summary of messages received through the website by theme.

The main areas of concern mentioned in the messages and feedback received are:

- ✓ Heritage, covering concerns around the conservation of the two geological features Bachelor Pad and Pizey’s Knob, and their surrounding environment.
- ✓ Water quality concerns related to the use of flocculants, questions about current and future use.
- ✓ Fossicking interested people with the intention of purchasing clear quartz from the site due to social media misinformation.
- ✓ The majority of the messages received are related to sales, job search, and contractor service offers.

Outcomes of Consultation

Engagement with all stakeholders has been a cornerstone for the re-submission of the MOP review.

Hanson have taken advantage of the opportunity to connect with a range of relevant and representative community stakeholders and work collaboratively and openly with them to define and propose decisions and activities of the quarry.

The following diagram 5 shows the commonly mentioned areas of concern/interest recognised through the community consultation and what has been done to address any potential concerns.



Diagram 5. Recognised areas of interest through community consultation and actions taken.

Attachment 1. Stakeholder communication



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**

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.





White Rock Quarry Community Update November 2022

Welcome to the White Rock Quarry Community Update - November 2022

Company Representative Statement

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 responding appropriately to community feedback; and we seek to be recognised as a valuable contributor to the community and the State development.



MOP Update

The Mining Operations Plan (MOP) Review is well underway, and we are working towards the March 31st 2023 deadline. We have engaged specialists across several areas to provide additional modelling and information to help inform the MOP including updated visual modelling, Native Fauna and Flora, Surface Water studies and ground stability/ geotechnical studies both within the quarry and immediately surrounding geological features.

We are currently working on the Post Quarrying Usage Plan for the Site and we are happy to hear from our neighbours and community as to how they envisage the area could be used for future generations.

Exciting Implementations of how we engage our community

We have developed a Community Engagement Plan, which is intended to inform the development of the MOP Review and continuing operations of the Site through ongoing engagement activities. We aim to establish and maintain relationships throughout the operations of the Site.

The importance of having a Community Engagement Plan at the Site enables WRQ's team to have tools and procedures to guide and implement ways to effectively engage

stakeholders, individuals or groups, recording and evaluating current and ongoing operations.

Feedback from surrounding property owners raising concerns about current quarrying methods has allowed WRQ to review current operations, upgrade equipment and make improvements to the Site that provides better practices for the environment as well as better living for adjacent residents.

An example of this is the crushing method. Hanson have decommissioned the fixed crushing plant on Site and are utilising a mobile crushing plant within the pit. The mobile plant allows better dust management practices than the fixed plant and moves crushing operations into a more protected area, further away from the quarry entry and exit.

Other Site improvements include;

- Additional sediment basin under construction,
- Purchase and use of EPA approved dust monitoring equipment,
- Air quality monitoring campaign,
- Noise mitigation of generators,
- Painting security fencing to blend in with the local environment, and
- Drainage filters to reduce sediment leaving Site.

Review of how we provide and receive information

Hanson are creating and revising current resources to provide a variety of communication tools to improve relations with the community. These include;

- Community Updates,
- Fact Sheets/notifications,
- Upgrade to the White Rock Quarry website,

- Query/response procedures and reporting, and
- One-on-one Site tours.

We anticipate that these changes will better assist us in communicating, alleviating concerns, providing more access to the community to better inform what we do in and for the community, rather than focus on Site operations alone.

Building Community - What we heard and what we did

1. New Visual Location

WRQ has reached out to members of the community to undertake a further Visual Amenity Assessment, we would like to thank those involved, allowing us access into your backyards to undertake this work.

Images from the photo point will be included in the Visual Amenity Assessment, which will be updated in the Revised MOP Review, due to be submitted to the Department for Energy and Mining (DEM) on or before the 31 March 2023.



Image: Visual Amenity images being taken from adjacent to Site property owner

2. New site gate installed at Haven Road

The gate at Haven Road has been painted to have a better blend into the surrounding environment as requested by our neighbours.



Images:(Top) beginning of fence painting, (below) completed fence painting on Haven Road.

3. Street Sweeper

To prevent drag out of dirt from Site, a street sweeper service has been organised to service the Site entrance and Horsnells Gully Road. The street sweeper is scheduled depending on weather conditions and on-Site works.



Image: Street sweeper services at entrance to Site and Horsnells Gully Road.

4. Air Quality

The Site has released a Dust & Air Quality Fact Sheet (located on our website) - Hanson have been conducting an air quality monitoring campaign sampling Ambient Respirable Crystalline Silica (RCS) and measuring ambient PM10 (particles are defined by their diameter for air quality purpose. PM10 means the measurement of the particle is the diameter of 10 microns or less). In consultation with DEM and EPA, Hanson have sourced and commissioned new environmental equipment to identify any potential risk and ensure that all mitigations are being explored in line with EPA requirements.



Images: New equipment to assist with air quality monitoring.

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

Hanson acknowledge the community's interest in White Rock Quarry and aim to bridge the gap in communications, information, and shared experiences.

Recent conversations with our community have revealed an interest in meeting the team, viewing operations, and speaking directly with quarry management.

Hanson would like to provide one-on-one tours for interested residents to continue our commitment to building relationships within our community.

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.

How we contribute to our Community

WRQ supply a range of materials that help build much needed infrastructure in SA.

Old and New projects that White Rock Quarry have supplied to are:

- The New Morialta Secondary College
- South Australian Health and Medical Research Institute
- Lot Fourteen development in the CBD
- Waterfall Gully Walking trail upgrade
- Adelaide Oval Upgrade.



Image: SAHMRI under construction



Image: Lot Fourteen under construction.



Image: Morialta Secondary College under construction.



Image: Waterfall Gully Walking Trail Upgrade – Materials delivered via helicopter!

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

What we do at White Rock Quarry



- The quarry supplies a range of aggregate products, pavement materials, and specialty sands, contributing to all types of projects essential to developing the communities people live in.



- These projects include local housing construction, infrastructure development, schools, universities, care facilities, hospitals, local sporting clubs, buildings upgrades, roads, bridges, airports, harbours, trail restorations, and shopping centres.
- Hanson directly employs approximately 150 people in South Australia, and indirectly supports many hundreds of additional jobs through haulage contractors, suppliers, trades, and professional services.



Quarrying Method

The current quarrying method we use is the traditional Open Cut Quarrying methodology.

Dust may be generated by quarrying activities during the extraction and processing of materials.



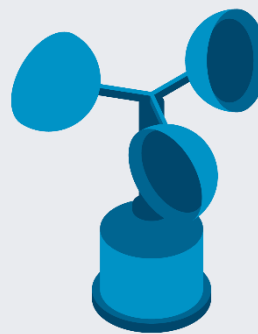
Quarry processes include drilling and blasting, crushing and screening, haulage operations, stockpiling of material, the loadout of material for sale and road transport trucks moving around site to stockpiles.

The potential for dust generation increases over drier months, however White Rock Quarry uses several strategies to mitigate the amount and impact of dust generated.

Air Quality Monitoring Campaign

Hanson have been conducting an air quality monitoring campaign to measure ambient Respirable Crystalline Silica (RCS) and PM10 (PM10 means the measurement of the particle is the diameter of 10 microns or less, particles are defined by their diameter for air quality purpose).

In consultation with the Department for Energy and Mining (DEM) and the Environmental Protection Authority (EPA), Hanson have sourced new environmental equipment to identify any potential risk and ensure that all mitigations are being explored in line with EPA requirements.



Outcomes of the air quality monitoring are being recorded to ensure all requirements are met and addressed for inclusion in the updated Mine Operations Plan.

What are we up to?

At White Rock Quarry over the past twelve months, we have decommissioned the fixed crushing plant on site and are utilising a mobile crushing plant within the pit. The mobile plant allows better dust management practices than the fixed plant and moves crushing operations into a more protected area, further away from the quarry entry and exit.

- The quarry reduces speed limits on unsealed surfaces and uses either a water truck or sprinklers to wet down and suppress dust in work areas and stockpiles;
- As part of the Mine Operations Plan review, Hanson have committed to installing a truck wheel wash;
- Road trucks cover materials with trailer tarps before leaving site;
- Frequently using street sweepers;
- Inspecting and maintaining access routes; and
- The effectiveness of dust suppression is monitored by site management.



Dust - Trigger Action Response Plan (TARP)

The purpose of the TARP is to ensure that dust mitigation controls and appropriate management strategies are implemented to minimise any dust impact from site activities.



The TARP includes a series of triggers defined by meteorological forecasts, visual observations, and continuous PM10 monitoring during the current Air Quality Monitoring Campaign.



The current Dust Management Plan, including the TARP, has been approved by the EPA.

What are the findings so far?

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.



Building Community

We are committed on building relationships and working with neighbours interested in White Rock Quarry, filling any gaps in communications, information, and sharing experiences.

To register your interest in meeting the team, viewing operations, and speaking directly with quarry management, please go to our [Contact Us Page](#) on website: <https://www.whiterockquarry.com.au> or Phone: **(08) 8431 4866**, fill out the form with your details and request. We will contact you to arrange a suitable time.

LETTER TO RESIDENTS AND BUSINESSES

White Rock Quarry Project Community Update – June 2022

Review of Mine Operations Plan for Private Mine 188 – White Rock Quarry

Hanson would like to provide you with an update on progress of the MOP Review resubmission for White Rock Quarry.

The Mine Operations Plan (MOP) is the tool used by the Department for Energy and Mining (DEM) to monitor the progress of extraction, processing operations, and rehabilitation activities across the life of White Rock Quarry. Hanson have been actively seeking to finalise each of the outstanding matters identified by DEM in collaboration with the Environment Protection Agency (EPA) and Department for Environment and Water (DEW), in their Request for Alterations issued to Hanson in July 2021.

Due to circumstances and requests for additional information, we will not be able to conclude our response to DEM by 30 June 2022.


What does this mean?

Hanson have sought and been granted additional time to conclude our response to the Request for Alterations and make amendments to the MOP Review document. Hanson will now be required to provide the revised MOP on or before 31 March 2023.

For more information please go to DEM website link [White Rock Quarry | Energy & Mining \(energymining.sa.gov.au\)](https://energymining.sa.gov.au)

Areas highlighted that we are continuing to work on:

- 1) Water quality** - Hanson Environment Improvement Program (EIP) has been in existence at the site for some time, in consultation with the EPA. Hanson have been implementing the EIP and associated Action Plan, particularly including the upgrade of Sediment Basin 2 and the construction of Sediment Basin SB2A. Hanson have engaged with an independent company specialising in sediment management and water quality solutions to assist with improving water quality.
- 2) Air quality** - Hanson have been conducting an air quality monitoring campaign to measure ambient PM10 (particles are defined by their diameter for air quality purpose. PM10 means the measurement of the particle is the diameter of 10 microns or less). In consultation with DEM and EPA, Hanson have sourced new environmental equipment to identify any potential risk and ensure that all mitigations are being explored in line with EPA requirements. We have consulted with residents adjacent to the monitoring location and have gained approval from the relevant stakeholders. This will enable the monitor to be installed by mid this year. Outcomes of the air quality monitoring will need to be recorded over twelve months to ensure all requirements are met and addressed for inclusion in the updated MOP.

- 
- 3) **Aboriginal Heritage** - Hanson, with direct involvement of the Kurna People, have conducted comprehensive Aboriginal Heritage investigations of the site. The outcome of the investigations is currently being used to inform revisions to the Quarry Development Plans, Post-Mining Land Use Plan and associated progressive rehabilitation strategies for the site in consideration of the cultural heritage values identified. These investigations cannot be concluded before 30 June 2022. Hanson continue to assess and realign our operational footprint as part of the MOP review and take into consideration community views and expectations. We can confirm we will be retaining the features known as the Bachelor Pad and Pizey's Knob.
- 4) **Native vegetation** - Further native vegetation appraisal of the site is currently being undertaken to inform the location and quality of native vegetation within the proposed development area. Hanson have engaged a highly regarded Adelaide based Ecology firm to conduct a detailed fauna assessment of White Rock Quarry and the associated staged Quarry Development Plans. The Ecology firm have delivered fauna assessments all over the state including Major Infrastructure projects.

We thank you for your patience during this time and will be providing updates as we progress through this review period.

Regards,

White Rock Quarry Project Team

Hanson

Contact Us

Hanson encourage the community and our near neighbours to contact us and to provide feedback regarding our project. All feedback will be read and considered. A member of the project team may contact you if they require further detail or as requested.

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

Visit: <https://www.whiterockquarry.com.au>

Contact Us Page on website: fill out your details and an email will be sent to the team to respond.

Phone: (08) 8431 4866

LETTER TO RESIDENTS AND BUSINESSES

White Rock Quarry Project Update January 2022

As a key stakeholder in the long-term future of the White Rock Quarry at Horsnell Gully, we would like to update you on development of our Mine Operations Plan (MOP) Review and provide a progress report on the quarry's operations.

STATUS

In July 2021, Hanson received a Request for Further Information (RFI) from the Department of Energy and Mining (DEM) requesting alterations and additional information to enable further assessment of the proposed future operations of the White Rock Quarry. To ensure that all the matters raised within the RFI are considered to a level in line with contemporary quarrying best practice, Hanson has requested and been granted a six-month extension to revise and submit the MOP Review by July 2022.

SURFACE WATER

Hanson has recently completed a comprehensive review of the surface water management at White Rock Quarry. As part of this review, Hanson has recognised the need for the expansion of a secondary sediment basin downstream of the primary basin commissioned in 2020. This basin will assist with the treatment and settling of sediment prior to discharging water off-site and is expected to result in further reduction of discharged sediment.

Hanson has submitted a proposal to the relevant regulatory bodies seeking feedback prior to construction of this secondary sediment basin and is awaiting this feedback before proceeding.

ENVIRONMENT

Hanson recognises the community's ongoing concern relating to airborne dust. In addition to ensuring the implementation of many of our dust management practices including wetting of roads and strategically located water spray suppression systems, Hanson in September commenced a six-month dust monitoring campaign at the quarry.

The campaign has been developed in consultation with the Environmental Protection Authority (EPA) and the Department for Energy and Mining (DEM) with the intent of analytically understanding the fugitive dust performance of White Rock Quarry. Since commencing the campaign, our data shows that fugitive dust levels in the quarry have remained within the

criteria prescribed within the Environmental Protection (Air Quality) Policy 2016.

HERITAGE

Hanson has engaged and will continue to work with traditional owners the Kurna people, who have visited the site.

NEXT STEPS

Hanson will submit an amended MOP Review by July 2022 addressing the matters raised within the Request for Further Information from the Department for Energy and Mining (DEM).

FEEDBACK AND FURTHER INFORMATION

Hanson values and is ready to act on feedback from surrounding stakeholders, as demonstrated by our commitment to substantially reducing the planned overall quarry footprint by 30 per cent to resolve initial visual amenity concerns, including the retention of the westward facing hill to maintain a physical barrier between the quarry and residents of Skye.



FURTHER DETAILS

For further information or feedback about White Rock Quarry's current operations and Mine Operations Plan Review, please visit our website at

www.whiterockquarry.com.au

[https://energymining.sa.gov.au/minerals/mining/mines_and_quarries/white_rock_quarry.](https://energymining.sa.gov.au/minerals/mining/mines_and_quarries/white_rock_quarry)

LETTER TO RESIDENTS AND BUSINESSES

White Rock Quarry Project Update July 2021

As a key stakeholder in the long-term future of the White Rock Quarry at Horsnell Gully we would like to update you on development of our Mine Operations Plan (MOP) Review and provide a progress report on the quarry's operations.

ENGAGEMENT

All landowners immediately adjacent to White Rock Quarry were sent an invitation to attend information sessions held in October 2020 in relation to the Mine Operations Plan (MOP) Review. State Government representatives, local councils and various other interest groups were also invited to these sessions. The sessions were well attended, with constructive feedback provided to Hanson for consideration when undertaking our MOP Review.

STAKEHOLDER FEEDBACK AND MOP REVIEW CHANGES

As a result of consultation to date, and in tandem with our continuing review, we have already taken the decision to reduce the planned operational footprint of the quarry. In addition, we have made a commitment to bring forward rehabilitation works, including the planting of native species across part of the southern and eastern faces of the site.

VISUAL AMENITY

As an outcome of the engagement process, Hanson has amended the initial 5-stage proposal to a 4-stage plan consisting of stages 1-3 and 3a, reducing the overall project footprint. This proposal retains the westward facing hill to provide a visual barrier to the quarry for residents of Skye. This represents a 30 per cent reduction (approximately 10 million tonnes) in our future reserves. In addition, Hanson has committed to earlier rehabilitation planting of the eastern and southern faces of the site to soften views for residents of Skye and Teringie.

PROGRESSIVE REHABILITATION

Following community and stakeholder engagement, and a further review of the Quarry Development and Rehabilitation Plans, we have committed to rehabilitation planting earlier in the quarry's development in order to minimise surface disturbance throughout the proposed stages. We will ensure species lists are well understood and used in rehabilitation through consultation with the Department

for Environment and Water (DEW) and interest groups.

Hanson has a strong track record in rehabilitation. In 2018, the company was awarded the South Australian Premier's Award for Excellence in Innovation: Environmental Management, for progressively rehabilitating our Rowland Flat Quarry using similar techniques to those planned for the White Rock Quarry.

SURFACE WATER

Hanson has made every effort to ensure continuous improvement in water quality management. This includes appropriate management of the two surface water sources relevant to the site - the upstream catchment to the quarry and rainwater landing on the quarry.

Hanson has recently invested \$2.5m for construction of a basin to assist the treatment and settling of sediment. This water will be recycled onsite for dust suppression; used in the manufacture of concrete; or released into the Third Creek catchment. We have already observed a 44 per cent reduction in total annual discharged sediment.



HERITAGE

Future proposed development of White Rock Quarry, as outlined in our MOP Review, will not encroach further on or otherwise affect the area identified in the State Heritage places database as 'Natural Feature – Wellington Rock (or Pizey's Knob) adjacent to Old Norton Summit Road. Hanson has engaged, and will continue to work with traditional owners the Kurna people, who have visited the site.

ENVIRONMENT

Hanson is committed to keeping our people, our neighbours and the community safe. We work closely with the Environment Protection Authority (EPA) and Department for Energy and Mining (DEM) in identifying and implementing mitigation strategies to control fugitive dust (air quality) and noise. We have also undertaken and committed to environmental modelling methodologies for air quality and noise. Additional

modelling was conducted to inform the MOP Review including surface and ground water, and visual amenity investigations. We are continually working to minimise dust impacts and have undertaken detailed Respirable Crystalline Silica (RCS) modelling as part of the MOP Review process. Assessment of this modelling predicts that RCS concentrations for current and future operations will be below the national best practice criteria.

TRAFFIC

Modelling indicates that production levels are forecast to remain consistent with current levels. Therefore, we anticipate traffic volumes on the local road network providing entry and exit to the quarry will remain relatively static.

OPERATING HOURS

White Rock Quarry is currently authorised to operate 24 hours x 7 days per week, however typically the site only operates during daylight from Monday to Friday and on Saturday mornings. On rare occasions when special projects require heightened supply, the on-site concrete plant may operate outside normal hours.

BLASTING

All blasts are monitored for Vibration and Air Overpressure and require compliance with Australian Standards AS2187.2. The site maintains a register of neighbours who wish to be informed on blasting days.

NEXT STEPS

Hanson will be issued with a Request for Further Information from the Department for Energy and Mining (DEM) through which process we will address any outstanding issues and continue to engage with stakeholders.



FURTHER DETAILS

For further information about White Rock Quarry's operations and current information on our Mine Operations Plan Review, please visit our website at:

www.whiterockquarry.com.au or the DEM website

https://energymining.sa.gov.au/minerals/mining/mines_and_quarries/white_rock_quarry.



ABOUT HANSON

Hanson is a national leader in building and construction materials with an extensive production and logistics network across Australia. We use world-class technologies and service platforms to source and supply a comprehensive range of high-quality concrete, aggregates and sand used in construction and civil applications throughout Australia. We also produce road base, asphalt and sustainable and recycled construction materials for infrastructure projects including bridges, roads and major highways. In Adelaide, Hanson employs approximately 150 people, many of whom live in communities surrounding White Rock Quarry and a number of whom are second and third generation descendants of the original quarry workers who commenced quarrying on site in 1946.