Appin Mine Ventilation and Access Project

SOUTH32
Illawarra Metallurgical Coal

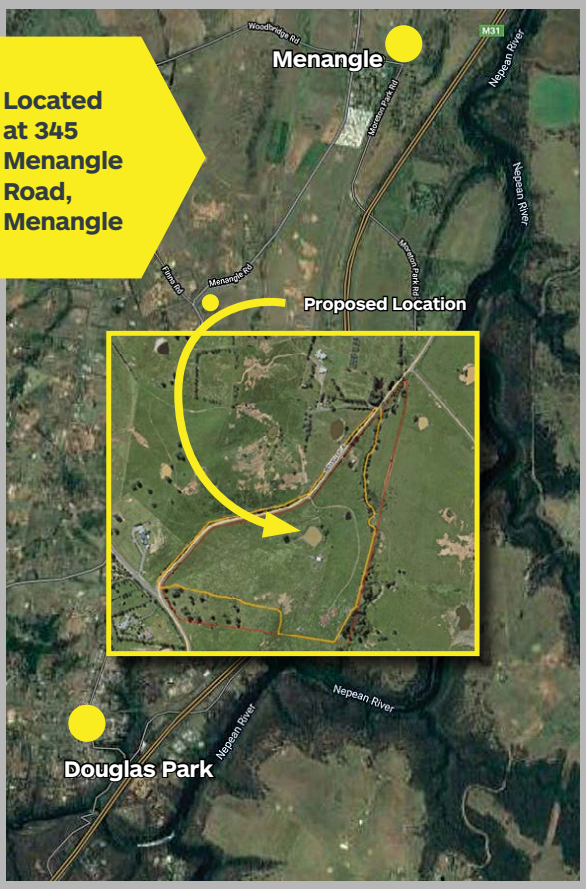
PROJECT UPDATE FIVE **OCTOBER 2021**

PROPOSED MENANGLE LOCATION

The location of the proposed Appin Mine Ventilation and Access Project is near the intersection of Finns and Menangle Roads, Menangle.

This location was determined following a comprehensive options assessment considering the ventilation requirements for the mine and the layout of the approved underground workings. We also considered the location of features on the surface which include the community, cultural heritage, environment and availability of suitable land. This location was chosen to meet the needs of the mine and minimise the potential impacts on the local community and environment.

Located at 345 Menangle Road, Menangle



WE HEAR YOU!

The community requested the opportunity to attend additional Information Sessions to understand more detail about the Project.

Community Information sessions will be held at Menangle Rural Fire Volunteer Fire Brigade Station (90 Menangle Road, Menangle).

- Friday, 22 October 2021, 2.00pm – 5.30pm
- Saturday, 23 October 2021, 10.00am – 4.00pm
- Thursday, 28 October 2021, 4.00pm – 7.00pm

Pre-registration of attendance is required to ensure correct health protocols are in place.

To register your attendance email illawarracommunity@south32.net, or call 1800 102 210.

PROPOSED PROJECT AND APPROVALS

An integral requirement of underground mining is adequate ventilation and mine access, to ensure a safe and efficient working environment for our people. We are proposing to construct mine ventilation and access facilities at 345 Menangle Rd, Menangle.

Two ventilation shafts (a downcast shaft that draws air into the mine and an upcast shaft that draws air out of the mine) are proposed. These are required by 2025 to support the safe operation of our mine. The proposed mine access infrastructure will support access to the mine for some of our workforce and supplies. No coal handling infrastructure is proposed.

We are following a comprehensive NSW Government approvals process, seeking a modification to our existing Bulli Seam Operations Project Approval (08-0150).

Since our last update, we have prepared responses to submissions received from the local community and relevant stakeholders.

1. Illawarra Metallurgical Coal consults with the Department on proposed modification
2. The Department issues assessment requirements
3. Illawarra Metallurgical Coal prepares and submits Modification Report to the Department
4. The Department places the Modification Application on exhibition and seeks submissions
5. **Illawarra Metallurgical Coal responds to submissions** — **Project is here**
6. The Department completes its assessment

OUR RESPONSE TO YOUR SUBMISSIONS

We appreciate the valuable feedback received during the public exhibition period. Our response to this feedback is captured in our Submissions Report which is available on the Project website.

Scan the QR Code below to access.

Consultation doesn't stop here – we encourage you to continue giving us your comments, queries, and suggestions either directly to us or via your representatives on the Menangle Advisory Panel.
For more information please email illawarracommunity@south32.net or call 1800 102 210.

To the right is a summary of key aspects and responses from our Submissions Report.

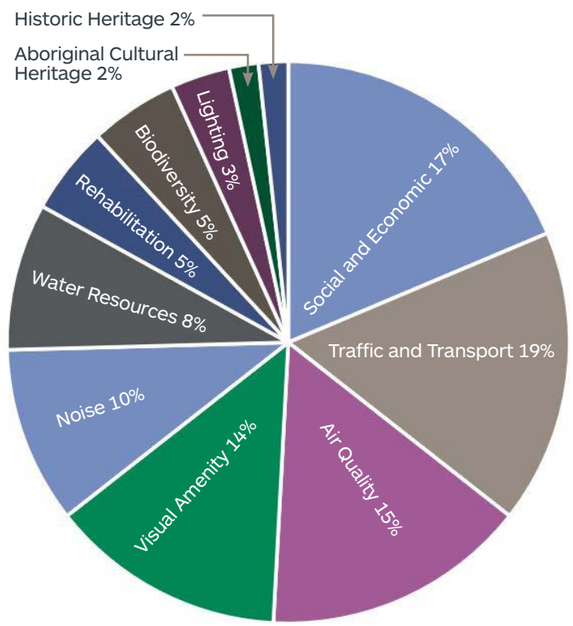
SUBMISSION SUMMARY

26 TOTAL SUBMISSIONS

15 (PUBLIC)	2 (ORGANISATIONAL)	9 (PUBLIC AUTHORITY)
2 SUPPORTIVE 2 COMMENTS 11 OBJECTIONS	1 SUPPORTIVE 1 COMMENT	9 COMMENTS

**Public Authority includes: Council, Transport for NSW, EPA, Heritage NSW etc. (see website).*

KEY THEMES



TRAFFIC AND TRANSPORT

Key Aspects Raised	Our Response
• Menangle Road intersection design. • Heavy vehicle and transport routes. • Project car parking. • Outer Sydney Orbital (OSO) consultation.	• The intersection will be designed in accordance with required standards in consultation with Transport for NSW and Council. • Heavy vehicles associated with the Project will not travel via Broughtons Pass Weir or Douglas Park Gorge. • A Driver's Code of Conduct and Traffic Management Plan will be developed to minimise traffic impacts. • The 212 car parking spaces proposed will be adequate to accommodate workers and visitors. • We will continue to work with Transport for NSW regarding the proposed Outer Sydney Orbital.

DID YOU KNOW?

Currently approximately 5,760 vehicles per day travel along Menangle Road south of Finns Road.*

The estimated weekday volume increases due to the Project represent 1.2% along Menangle Road, south of Woodbridge Road and 9.6% along Menangle Road, south of Finns Road.

**Source: Traffic Assessment Report. Transport and Urban Planning, Figure 6 (Appendix D, Modification Report).*

AIR QUALITY

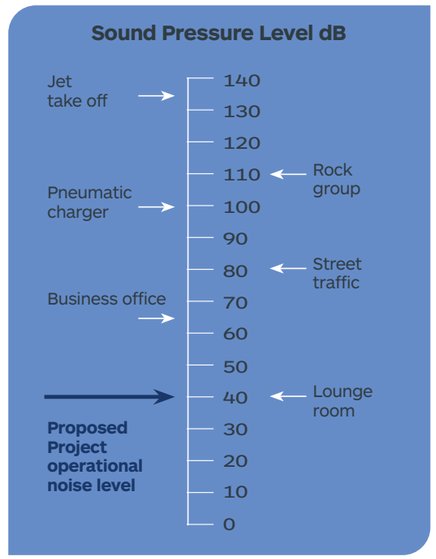
Key Aspects Raised	Our Response
• Air quality during construction and operations. • Air quality monitoring. • Fugitive emissions.	• A comprehensive Air Quality and Greenhouse Gas Assessment of potential air quality impacts associated with the Project was completed in accordance NSW EPA (2017) *Approved methods for the modelling and assessment of air pollutants in New South Wales.* • The assessment concluded that **neither the construction or operational phases of the Project would result in exceedance** of NSW EPA air quality impact assessment criteria. • An Air Quality Management Plan and monitoring will be developed.

DID YOU KNOW?

Our Appin Mine gas drainage and capture network enables the reuse of mine gas to generate equivalent power for 52,000 homes annually.

NOISE

Key Aspects Raised	Our Response
• Noise impacts of the Project (construction, operational and traffic noise). • The need for noise monitoring.	• Noise assessment results are discussed in Section 6.6 of Submission Report. • We are proposing out of hours construction activities to reduce the duration of the Project. • A construction specific Noise Management Plan will be developed and include provision for noise monitoring.



VISUAL AMENITY

Key Aspects Raised	Our Response
• Visual amenity impacts, lighting and the height of the Project's headframe	• Planting of the tree screen on the property boundary to Menangle Road has commenced. We acknowledge it will take time for the full benefit of the vegetation screening to be achieved, noting it has been proactively implemented. • We will continue to consult with residents to confirm the suitability of the selected screening, consider further design options to further reduce visual amenity impacts.

DID YOU KNOW?

We have reduced the permanent headframe tower height through design innovations to mitigate visual impacts as much as possible. The tower and winder building would be clad with a neutral colour selection to match the local environment.

A Virtual 'drive-through' along Menangle Road with the concept design of the Project can now be viewed on the website. Scan QR Code to access.



Menangle Road intersection travelling North during construction phase with young screening.



Menangle Road intersection travelling North during operation phase with mature screening.

SOCIO-ECONOMIC

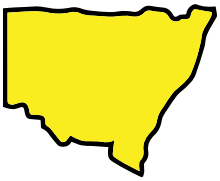
Key Aspects Raised	Our Response
• Potential impact to property values and amenity in the immediate area. • Potential damage to private property as a result of construction activities.	• Our operations and its associated surface infrastructure historically co-exists with suburban and rural areas in Appin, Wilton, Douglas Park, Kembla Heights and Mount Kembla. The Project's potential influence on local property values should be considered in the context of the broader southwest Sydney market and future development in the area. • We will continue community consultation to confirm the suitability of the selected visual screening and consider design opportunities to further reduce visual amenity impacts. • Criteria set for construction blasting would ensure negligible risk of damage to structures from blasting activities. • Pre-construction building condition assessments.



Direct employment of
1,800 people



$180M
spend with local business in FY2021



$2B
in royalties for the people of NSW

NEXT STEPS

Some activity on the property will continue for the rest of the year.

This includes further tree screening, geotechnical/environmental assessments, and seismic trial works. The Submission Report will be reviewed by the Department and consultation will continue before a determination is made.

WHO WE ARE AND WHAT WE DO

South32 Illawarra Metallurgical Coal operates in the Illawarra and Wollondilly regions of NSW, producing metallurgical coal for steelmaking.

In the Wollondilly region we operate the Appin Mine (a State Significant Development), which is currently in the Douglas Park and Menangle area. We are a proud local company, directly employing more than 1,800 people and have been operating in the region for 85 years.



TREE SCREENING

You may have noticed that hundreds of plants are in the ground! We are working together with an environmental specialist in selecting the most appropriate native tree types for adequate screening. Spotted Gum (corymbia maculate) and White Feather Honeymyrtle (melaleuca decora) are two of the species selected.

