Appin Mine Ventilation and Access Project

SOUTH32
Illawarra Metallurgical Coal

PROJECT UPDATE NINE **MAY 2023**

CONSTRUCTION UPDATE

Our Principal Contractor has completed the Menangle Road upgrade and is fast approaching completion of bulk earthworks at the site. The road upgrade included resurfacing, improving line of site, and road widening all designed to improve safe access to the site. We thank you for your patience during these activities.

Preparation for shaft pre-sinking will commence shortly and will include mobilisation of equipment, drilling and pre-grouting, and shaft collar construction. These activities will occur in standard daytime construction hours.



Upgrades to Menangle Road were completed on 30 March 2023.



Mobilisation of shaft sinking contractor to site.

UPCOMING ACTIVITIES

- ✓ **11kV HIGH VOLTAGE (HV) RELOCATION**
  Relocation/burial of existing overhead HV powerline
- ✓ **MENANGLE ROADWORKS***
  Menangle Road works for site entry intersection and road upgrades
- **BULK EARTHWORKS***
  Bulk earthworks, including excavations, levelling, drainage and establishing the visual bunding etc.
- Mobilisation of Shaft Sinking Contractor to site
- Collar construction
  Pre-sinking and pre-grouting
  Mechanical excavation and controlled blasting of shafts

***These works will occur concurrently**

PROJECT UPDATE

An essential requirement of underground mining is adequate ventilation to ensure a safe and efficient working environment for our people. We are pleased to announce that RUC Mining has been awarded the contract to design and construct the two ventilation shafts.

RUC is an Australian-based company that brings a wide range of experience and expertise gained from sinking and equipping some of the largest shafts in the world. They will be mobilising to our site at 345 Menangle Road shortly to commence shaft pre-sinking.

As bulk earthworks near completion, the next phase of the project will commence shortly. This will include:

- Mobilisation of shaft sinking equipment to site
- Pre-sinking of the ventilation shaft requiring drilling, blasting, and mucking
- Construction of a shaft collar to hold the temporary headframe and winder
- Construction of the headframe

Pre-sinking is developing the first 50m of the shaft to install the sinking stage, or working platform, which is used to work from for the balance of the shaft. It includes the concrete collar and civil structure to carry the headgear and winders.

A video is currently being produced that will provide information on these activities. It will be uploaded to our website along with our other videos.

Approval was received for our Construction Environment Management Plan (CEMP) relating to these works in early 2023. The CEMP was developed in consultation with the EPA, Wollondilly Shire Council and Transport for NSW. It provides specific environmental management and monitoring measures for remaining construction works, including minimising noise, dust, and visual impacts.

This plan is available to view on our website https://community.s32illawarra.com.au/

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SPEND LOCAL, EMPLOY LOCAL

We're proud to be a part of the community, working together on big projects, lending a hand when needed, and supporting local business. Our Principal Shaft Sinking Contractor, RUC Mining, is also committed to supporting local businesses and communities and is forming mutually beneficial partnerships while carrying out the AVMA project.

Local electrical company, ARA Electrical, was recently awarded the contract to design, construct, and commission a substation to power the surface ventilation fans and the underground mine. ARA Electrical was also involved in the successful relocation of powerlines at the site.

Further details will be shared about upcoming employment and local business opportunities.

PROJECT DETAILS

South32 Illawarra Metallurgical Coal operates the underground Appin Mine, which is currently extracting coal in the Douglas Park and Menangle area. An integral requirement of underground mining is adequate ventilation and mine access, to ensure a safe and efficient working environment for our people. This Project will construct mine ventilation and access facilities at 345 Menangle Road, Menangle. This Project is essential for the continuation of Appin Mine and our workforce of 1,800 employees. The mine access infrastructure will support access to the mine for some of our workforce and supplies. No coal handling infrastructure is proposed.

Scan the QR code for further details on the Project, view our CEMP, and view our construction activity sequence video.

CONTACT US

More information about the Appin Mine Ventilation and Access Project is available at: https://community.s32illawarra.com.au

You can also follow us on Facebook to stay connected with our operations and community activities.
Scan the QR code or go to Facebook and search: South32 Illawarra Metallurgical Coal

If you would like to speak with us about our activities, call our free Community Call Line 1800 102 210 or email illawarracommunity@south32.net

DID YOU KNOW?

We have installed real-time environmental monitoring equipment to aid in the management of our construction activities. The system provides up-to-the-minute data on key environmental indicators, such as noise and dust, allowing us to manage our activities accordingly. Real-time monitoring is a key tool used by us to inform, monitor and improve environmental performance and ensure we meet our commitments to environmental sustainability.



MENANGLE ADVISORY PANEL

In May, we welcomed five new members to the Menangle Advisory Panel (MAP).

The MAP was established to facilitate regular communication between the project and the local community, and comprises 11 community members, Illawarra Metallurgical Coal representatives, and an Independent Chairperson. Subject matter experts relating to the project are also invited to attend where necessary.

The MAP meets bi-monthly to discuss a range of topics, including noise, air quality, construction activities and shaft sinking. Minutes of previous meetings can be found on our website: https://community.s32illawarra.com.au

MEET OUR TEAM

Introducing Lachlan Cunningham.
Lachlan is the project's construction manager and is overseeing the shaft sinking contract on behalf of South32. Originally for Scotland, Lachlan brings 38 years' experience in the mining industry. He first became involved in shaft sinking in South Africa in the deep gold mines going down more than 4km. The deepest shaft he has been involved in was more than 2.2km.



Introducing Kurt Wormleaton.
Kurt is a civil compliance officer and helps with overseeing the compliance of the site. Kurt has extensive operational experience in industrial construction and civil engineering projects with a commitment to creating a "safety-first culture" to ensure everyone returns home safe and well at the end of every shift.

