Appin Mine Ventilation and Access Project

SOUTH32
Illawarra Metallurgical Coal

PROJECT UPDATE SIX **APRIL 2022**

PROJECT MODIFICATION APPROVED

We are pleased to share the Appin Mine Ventilation and Access Project received NSW Government approval in April 2022 as a modification to our existing Bulli Seam operations Project approval (08-150).

Over the last 18-months we have worked closely with the community, expert consultants, agencies and government on a thorough assessment balancing the planned infrastructure and impact mitigation. Thank you for your input during this time.

The Department of Planning, Industry and Environment (DPIE) has issued approval conditions which apply to the construction and operation of the project.

A summary of these conditions is included in this update.

PROJECT DETAILS

South32 Illawarra Metallurgical Coal operates the underground Appin Mine, which is currently 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**.

The mine access infrastructure will support access to the mine for some of our workforce and supplies. No coal handling infrastructure is proposed.

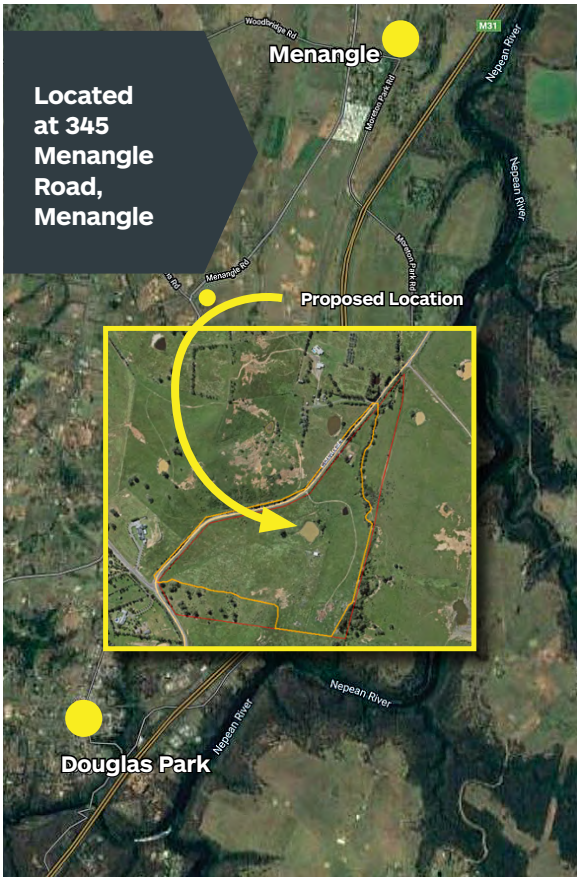
Scan the QR code for further detail on the Project, concept images and assessment reports.

PROPOSED MENANGLE LOCATION

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

This location was chosen to meet the needs of the mine and minimise the potential impacts on the local community and environment.

We considered the ventilation requirements for the mine and the layout of the approved underground workings, as well as the location of features on the surface which include the community, cultural heritage, environment and land availability.



Illawarra Metallurgical Coal consults with the Department on proposed modification

The Department issues assessment requirements

Illawarra Metallurgical Coal prepares and submits Modification Report to the Department

The Department places the Modification Application on exhibition and seeks submissions

Illawarra Metallurgical Coal responds to submissions

The Department completes its assessment

Project approved

REQUEST FOR FURTHER INFORMATION

As part of the assessment process, DPIE received submissions from various stakeholders, including the community. South32 formally responded to the submissions, with all responses made public on the NSW Planning Portal – Major Projects, and the Appin Mine Ventilation and Access Project website.

The key themes of submissions were:

- Construction timing
- Air quality
- Site alternatives
- Noise
- Traffic/road design
- Water use
- Sewage treatment

CONDITIONS ISSUED

Following approval, DPIE issued a variety of conditions. To simplify what these mean to the community, we've summarised some of them below:

Surface Constructions Activities

7am-6pm Monday to Friday
8am-1pm Saturday

No works on Sunday or Public Holidays.

Air Quality for Operation

Mitigations to ensure emissions do not exceed EPA criteria.

Monitors to measure compliance.

Shaft Sinking/Construction

Daytime only activity for initial stages.

Nighttime shaft sinking will take place following the installation of additional noise mitigation to ensure night-time noise criteria can be met.

Road Upgrade

We will prepare a detailed design to the satisfaction of Wollondilly Shire Council and Transport for NSW.

Noise

A construction Noise Management Plan (CNMP) is required as part of a Construction Environmental Management Plan (CEMP). The CNMP will detail the measures to ensure noise criteria are met and monitoring measures to determine compliance.

Controlled Blasting

One blast per 24 hours at each of the ventillation shafts.

Real-time monitoring to ensure compliance with overpressure and vibration.

Landowners within 1km of Project can request baseline dilapidation reports on existing structures.

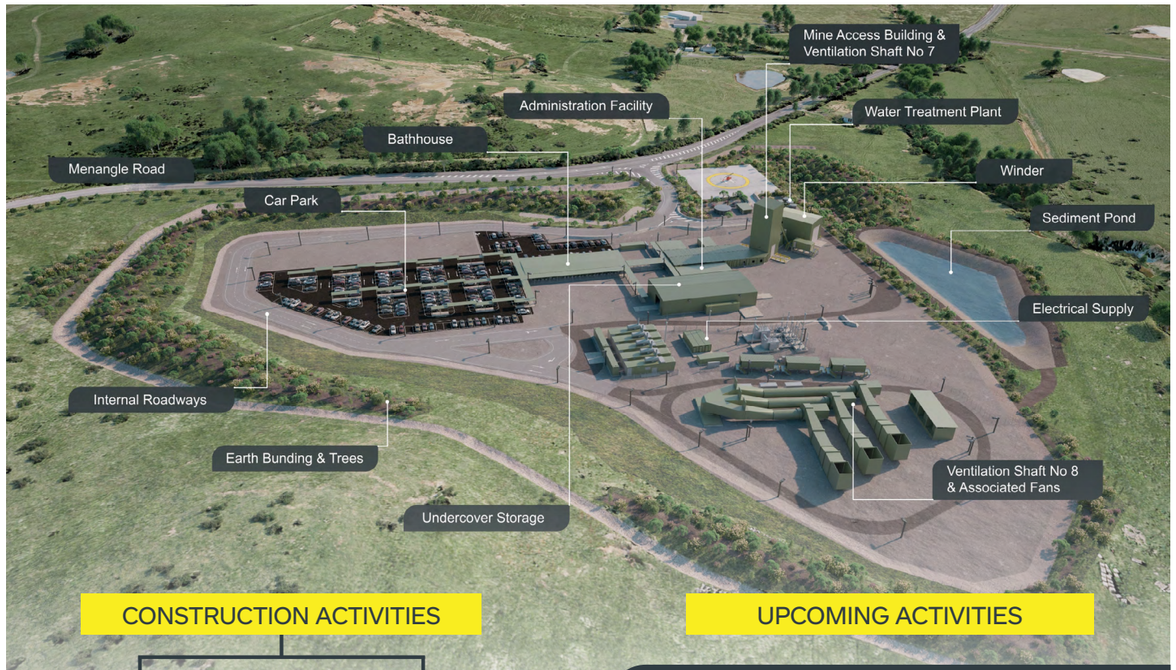
COMMUNITY INFORMATION SESSIONS

In October and November last year, community information sessions were successfully held over four days, providing the community an opportunity to enquire and seek further information. The events were well attended & productive.

In a testament to the Menangle Advisory Panel (MAP) with who we have been liaising closely with on Project plans, the majority of queries received had been raised previously by the Panel.

More community information sessions are planned this year.





CONSTRUCTION ACTIVITIES

EARLY WORKS

- Relocation/removal of existing overhead powerlines
- Upgrade site access with Menangle Road
- Site establishment
- Bulk earthworks (including intersection upgrade)
- Landscaping

PRIMARY WORKS

- Shaft sinking
- Spoil management
- Civil works
- Civil construction of buildings

NEXT STEPS

As the ventilation shafts are required to be operational by 2025, we expect to commence construction activity mid-2022.

Prior to commencing construction, we will be preparing a Construction Environment Management Plan in consultation with the EPA, Wollondilly Shire Council and Transport for NSW. This plan will:

- Provide specific environmental management and monitoring measures for construction works, including minimising construction-related noise, dust, visual impacts and surface disturbance.
- Include protocols for monitoring compliance with the applicable criteria.

Once complete, the Management Plan will be available on the South32 website.

Approximately
4,000
native trees
have been planted so far to provide adequate screening

UPCOMING ACTIVITIES

APPROVAL
Project approval is received

MANAGEMENT PLANS
Environmental management plans are approved
Contractors are onboarded
General maintenance continues

11kV HIGH VOLTAGE (HV) RELOCATION
Relocation/burial of the existing overhead HV powerline commence

MENANGLE ROADWORKS*
Menangle Road works commence for the site entry intersection and road upgrades

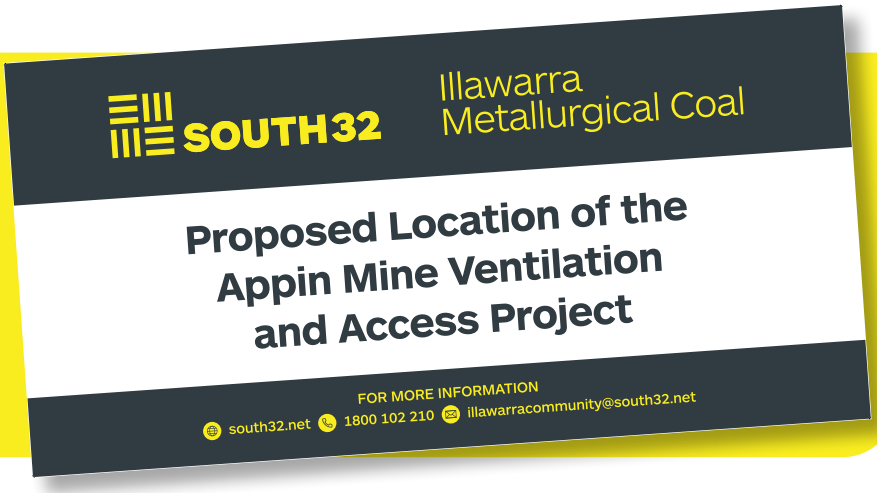
BULK EARTHWORKS*
Bulk earthworks commences, including excavations, levelling, drainage and establishing the visual bunding etc.

***These works will occur concurrently**

INFORMATIVE SIGN ERECTED

Travelling along Menangle Road, you may have noticed a new sign.

Following a request from the Menangle Advisory Panel, a simple sign alerting the community of the proposed location was installed.





SOUTH32 IN THE COMMUNITY

If you have a local community event or initiative that would benefit from our support, please email illawarracommunity@south32.net.

Recent initiatives include donations to the Menangle Christmas carols, donation of a defibrillator to the Menangle Store and support to Menangle RFS.

HIRE LOCAL

We have a preference to hire local when appointing contract partners for construction.

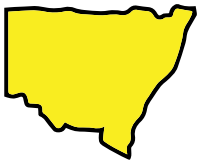
As the techniques in shaft sinking are highly specialised, we are working with prospective contractors to identify local training opportunities.



Direct employment of **1,800** people



$180M
spend with local business in FY2021



$2B
in royalties for the people of NSW

MORE INFORMATION

Scan the QR Code below for more information about the Appin Mine Ventilation and Access Project. Information on the website includes:

- video and virtual media of the concept design;
- fact sheets; and
- approval documents and submission reports;

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

Metallurgical coal is a critical ingredient to make steel. South32 Illawarra Metallurgical Coal operates the underground Appin Mine, 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 more than 85 years.