

MEETING MINUTES

DRAFT 1



SOUTH32 ILLAWARRA METALLURGICAL COAL (IMC) APPIN MINE COMMUNITY CONSULTATIVE COMMITTEE

MEETING: #64

DATE: 5 April 2023

LOCATION: Menangle RFS
90 Menangle Road, Menangle

ATTENDEES:

Julie Sheppard (JS)	Community Representative
Barbara Weber (BW)	Community Representative
Barry Durman (BD)	Community Representative
Sam Davis (SD)	Community Representative
Shane Simpson (SS)	Community Representative
Michael McGrath (MM)	Community Representative (arrived at 5.10pm)
Chris Schultz (CS)	IMC Superintendent Environment
Antony Leone (AL)	IMC Manager Community (arrived 5.35)
Rod Mapstone (RM)	IMC Principal Community
Josh Rogers (JC)	Illawarra Metallurgical Coal (Environment Coordinator) (Online from Brisbane)
Mike Archer (MA)	Independent Chairperson

APOLOGIES: Danny Stewart (DS) Community Representative
Andy Hyslop (AH) Appin Mine Manager

ABSENT: Cr Matt Deeth (MD) Wollondilly Shire Council

The purpose of the Community Consultative committee is to facilitate and maintain two-way communication between South32 Illawarra Metallurgical Coal (IMC), key stakeholders and residents. It is to promote open discussion on the activities of South32 Illawarra Metallurgical Coal's Bulli Seam Operations, including underground mining and surface operations of Appin; environment performance and community relations; and to keep all stakeholders informed on these matters.

AGENDA

	<ul style="list-style-type: none"> • Acknowledgement of Country, welcome and Apologies • Declaration of Pecuniary Interests • Ventilation Air Methane Mitigation (VAMMIT) Project • Acceptance of Previous Minutes • Code of Conduct • Questions on Notice Tracker • IMC Update • General Business • Meeting close
	<i>WELCOME / APOLOGIES</i>
	<p>Meeting opened at 5:03pm.</p> <p>On behalf of IMC and all present MA acknowledged the Traditional Custodians of the land, the Dharawal people, and paid respect to Elders past, present and emerging.</p> <p>MA welcomed all members present and noted apologies. As MA is doing minutes, anything specific to be recorded in minutes please advise MA.</p>
	<i>VAMMIT PROJECT</i>
	<p><i>Ventilation Air Methane Mitigation (VAMMIT)</i></p> <ul style="list-style-type: none"> • Seeking Modification for the construction of the Demonstration Plant • Modification process will involve community engagement and a public exhibition period Proposed Location • South32 land adjacent to VS2 / EDL Power Station (Appin) <p>The scope includes installing 2 VAMMIT units and safe ducting system with potential to abate 30kt CO2e per year per unit. Environmental Assessment</p> <ul style="list-style-type: none"> • Specialist Air Quality and Noise assessments are underway to support the Modification Application.
	<i>DECLARATION OF PECUNIARY INTERESTS</i>
	<p>MA declared a pecuniary interest, advising that in his role as Independent Chairperson, he is paid for his time by South32 Illawarra Metallurgical Coal.</p> <p>BW advised she works for Wollondilly Shire Council but as she is there as local citizen, she did not expect there would be any conflicts of interest.</p> <p>There were no other declarations made at the meeting.</p>
	<i>PREVIOUS MINUTES</i>
	<p>Minutes of 15 February 2023 meeting were circulated via email post-meeting for endorsement as a fair and accurate summary of the previous meeting. Moved via email JS and seconded via email BD.</p>
	<i>CODE OF CONDUCT</i>
	<p>Open and constructive participation, shared dialogue, do not interrupt and do not speak publicly on behalf of the committee.</p>
	<i>QUESTIONS ON NOTICE</i>
	<p>Arrange visit to the Coal Wash Emplacement Area ACTION: RM will provide suggested dates to MA for circulation to committee members.</p> <p>Arrange site visit to WC21 once works have been completed • TBC (2023)</p>

Discussion around visit and decision to instead visit Georges River.
ACTION: CS to provide possible dates to RM to forward to MA for circulation to committee members.

Chair to forward the new CCC guidelines when they are updated

MA – no update forthcoming to date/

SD requested data on gas volumes/content released from gas zones associated with LW904.

RM – addressed later in presentation.

Request for average predicted subsidence for Razorback

LW709/905 combined – 23mm

LW710A – 90mm

LW710B – 90mm

LW711 – 305mm

Figures are based on the new approved start positions for LW710A and LW711.

Question On Notice (SD) – Can we have similar figures (as Razorback subsidence predictions) from previous panels?

OPERATIONS UPDATE

LW709

- Commenced February 2022
- As of 3rd April 2023 – LW709 has 1,200m remaining
- Completion of LW planned Q3 2023

LW905

- Commenced 25 September 2022
- Completed on 28 February 2023
- Total LW length was 850m
- Appin Mine is now a single Longwall operation

Operations Overview

Longwall 905 – started – Planned completion 1st quarter 2023

Longwall 709 – started – Planned completion 3rd quarter 2023

Longwall 710A – planned start 3rd quarter 2023 – planned completion 4th quarter 2024

Longwall 710B – planned start 4th quarter 2024 – planned completion late 2025

Longwall 711 – planned start late 2025 – planned completion late 2026

**Dates subject to change.*

Orbital Road will pass over mining areas. There has been consultation with Transport NSW. Aware of each others projects.

ENVIRONMENT UPDATE

Water Treatment Plant

- Plant has been commissioned.
- Improvements to water availability from underground are being progressed.
- 53.46 ML has been discharged through LDP 40 (25.85 ML in February and 27.61 ML in March).
- Permeate is being discharged to Brennans Creek. Requires blending, otherwise too pure.
- Meeting held with EPA and CSIRO to discuss ecotoxicity issues associated with permeate.
- Reclaim sump pump has been installed and is operational.
- Temporary water treatment plant has been decommissioned.

Aquatic Health Monitoring

- Aquatic health/ecotoxicity monitoring was undertaken in October 2022 and February 2023.
- 2022 Report has been provided in draft and is under review.

Brennans Creek Dam

- Dam level is currently approximately 9.7 metres.
- Discharge continues at approximately 0.05 ML/day due to reduced dam level.
- BCD discharge EC is currently 1.56 mS/cm, pH 7.7.

Management Plans

- Traffic Management Plan – approved.
- Rehabilitation Management Plan – still waiting for feedback on rehabilitation objectives and forward plan by Resources Regulator.

Georges River Remediation Plan

- Property access is still being progressed – nearing resolution.
- Proposals have been received for undertaking the remediation works. Preferred contractor has been selected and is currently being onboarded.
- Preparation of Review of Environmental Factors (REF) underway.
- Planning to commence site works in Q3 2023.
- Georges River Rehabilitation Plan is available on the South32 IMC website.

(Chris, please provide link)

Planned approach

- Starting at Pools 38 and Rockbar 39, use a targeted grouting approach (similar to WC21 but targeted at fractures) and grout curtains.
- PUR will be used rather than cementitious grout, same as WC21. (PUR = poly urethane resin)
- The programme will be iterative, with monitoring after each stage of grouting to confirm the method has been effective.
- The next locations would be Pool 39 and Rockbar 40.

North Cliff

- Engagement with external stakeholders has commenced.
- Consultation with NPWS regarding powerline removal within National Park has been ongoing.

Rehabilitation Activities Planned

- Shaft sealing – seal pit bottom, backfill shaft, new slab installed over shaft.
- Demolition of residual structures – water tanks, footings and head frames.
- Establishment of final landform design – reshaping stockpiles and establishing drainage.
- Revegetation of disturbed areas – direct seeding and tubestock planting.
- Site maintenance – weed control, watering, plant maintenance.
- Monitoring and reporting.

Coal Wash

- Beneficial use opportunities for the Dendrobium coal wash are actively pursued.
- Coal wash is currently being beneficially reused at the Spring Farm Parkway project and for various rural infrastructure projects (eg roadways, shed bases).

Dendrobium Coal Wash Destination	Total tonnes (FY'23)
Emplacement	203,328
Beneficial Reuse	505,814
Total	709,142

- Stockpiles of coal wash that had been transported to site for beneficial reuse opportunities in 2019/20 are being emplaced (approximately 645,000 tonnes).
- All coal wash from the West Cliff CHPP is emplaced.
- A review of the emplacement landform design has recently been undertaken.
- The audit of coal wash management undertaken by the EPA is nearing completion.

Question on Notice

Provide data on gas volumes/content released from gas zones associated with LW904.

• Below are some examples of calculated rates of release for larger gas zones in the Nepean River. Gas zones observed since LW901 have generally been smaller in extent/number and intensity in comparison to gas releases in the Cataract River.

Gas Zone	Calculated Approximate Rate of Release (of gas) L/min.
AA7_LW901_001	9.6
AA7_LW901_002	28.8
AA7_LW901_003	60
AA7_LW901_004	48
AA7_Lw901_007	36

Tailings and Dams – Overview of facilities

Brennan's Creek Dam (BCD)	
Dam type	Soft rock fill
Storage capacity	320ML
Dam Height (crest)	17m
Dam length	186m
Consequence Category Assessment (CCA)	Significant

Dry Rejects Emplacement Area (DREA) Stg 3	
Tailings Storage Facility type	Dry stack
Total capacity approved	29Mt
Maximum height approved	75m
Maximum active area approved	21ha
Consequence Category Assessment (CCA)	Significant

Ponds			
Pond 1	23MI	Pond P5	8MI
Pond 2	24MI	Pond P6/P7	21MI
Pond 3	23MI	EP2	34MI
Pond P4A	45MI	EP3	34MI

Emplacement Consequence Category Assessment

DREA is classified as a Significant Consequence structure.

The category is based on the assessed criteria (Potential Population at Risk, Potential Loss of Life, Environment, Health, Social and Cultural and Infrastructure and Economics).

Potential categories are:

Low – no potential risk to population

	<p>Significant – 1-10 population at risk (onsite workers) High – 10-100 population at risk Very High – 100-1000 Extreme - >1000 population at risk</p> <ul style="list-style-type: none"> • A catastrophic failure (such as a major earthquake • and major flood simultaneously) of the facility has • been modelled and is not expected to reach offsite or • impact the stability of BCD. <p>BCD 15-year Safety Review Inspection report complete – no major issues identified. Failure Modes and Effects Analysis (assessing how it might fail so it can be controlled) has been completed. • Water balance model and Bathymetric survey being completed.</p>
<p><i>EXPLORATION UPDATE</i></p>	
	<ul style="list-style-type: none"> • Currently five drill rigs are operating. • All located within EL8972, AUTH248 and AUTH396 • Drilling to continue around Razorback and Cawdor

<p><i>APPIN MINE VENTILATION AND ACCESS (AMVA) PROJECT – RECENT ACTIVITY</i></p>	
	<p>Roadworks</p> <ul style="list-style-type: none"> • Roadworks completed <p>Siteworks</p> <ul style="list-style-type: none"> • Mobilisation of dozers and scrapers • Removal of rubbish from site • Construction of permanent sediment basin • Excavation of external drainage • Relocation of soil stockpiles to embankments • Surveying for tree planting locations

<p><i>COMPLAINTS</i></p>	
	<p>Summary:</p> <p>December 2022 – 1 (traffic) January 2023 – 2 (traffic) February 2023 – 5 (3 x traffic, 1 x noise, 1 x environment) March 2023 – 2 (traffic)</p>
<p><i>COMMUNITY UPDATE</i></p>	
	<p>IMC Investment</p> <ul style="list-style-type: none"> • Symbio Koala Conservation and Education Project - \$470,000 over 3 years • South West Sydney Academy of Sports - 'Have A Go Day' on 14 April at Douglas Park Oval. <p>Community Partnership Program</p> <ul style="list-style-type: none"> • Menangle Park Fire Brigade - new ride-on mower. • U Turn the Wheel - launch in May at Picton Anglican High School and Picton High.

	<p>Indigenous Grant Program</p> <ul style="list-style-type: none"> • Applications remain open for FY23 • Program supports a range of educational and cultural activities. • Applications are encouraged from groups or businesses in the Illawarra and Macarthur areas.
<p><i>GENERAL BUSINESS</i></p>	
	<p>IMC Facebook Page Please join/encourage community to join the IMC Facebook Page</p> <p>Roundtable BW – Are you using old shafts to produce energy? IMC – Yes, we are looking at it. Shafts are in the National Park.</p> <p>CS – Apology next meeting</p> <p>SD – Also an apology next meeting.</p> <p>Next meeting Wednesday, 7 June 2023 @ 5pm</p> <p>Meetings for 2023 (at Menangle RFS – start 5:00)</p> <ul style="list-style-type: none"> • 9 August • 11 October • 6 December
<p><i>QUESTIONS ON NOTICE AND ACTIONS</i></p>	
	<p>ACTION: RM to provide suggested dates to MA for circulation to committee members re visit to Coal Wash Emplacement.</p> <p>ACTION: CS/RM Potential dates for visit to Georges River</p> <p>Chair to circulate new CCC guidelines when they are available.</p> <p>Question On Notice (SD) – Can we have similar figures (as Razorback subsidence predictions) from previous panels?</p>
<p><i>MEETING CLOSE</i></p>	
	<p>Meeting close: 6:42 pm</p> <p>Next Meeting: Wednesday 7 June 2023 @ 5:00pm at Menangle RFS</p>