Tahmoor Colliery Community Consultative Committee
Minutes of Meeting – Picton Bowling Club, 10 Cliffe St Picton NSW 2571
Thursday 1 December 2022

Name	Role
Attendees	
Michael Muston (MM)	Independent Chairperson
David Auchterlonie (DA)	Community Representative
Bob Clayton (BC)	Community Representative
James Johnson (JJ)	Community Representative
Col Mitchell (CM)	Community Representative
Ibrahim Muharrem (IM)	Wollondilly Shire Council Representative (alternative)
Michael Banasik (MB)	Wollondilly Shire Councillor (alternative) – *arrived at 5.40pm*
Peter Vale (PV)	Tahmoor Coal Representative
Zina Ainsworth (ZA)	Tahmoor Coal Representative
Amanda Bateman (AB)	Tahmoor Coal Representative (minute taker)
Invitees	
April Hudson (AH)	Tahmoor Coal Representative
Thomas O'Brien (TO)	Tahmoor Coal Representative
Nick Le Baut (NLB)	Tahmoor Coal Representative
Natalie Brumby (NB)	Tahmoor Coal Representative
Ross Barber (RB)	Tahmoor Coal Representative
Amanda Fitzgerald (AF)	Tahmoor Coal Representative
Nic Clyde (NC)	Community Observer
Nicole Pearce (NP)	Community Observer – *arrived at 5.30pm*
Apologies	
Greg Kininmonth (GK)	Resources Regulator
Paul Rogers (PR)	Wollondilly Shire Council Representative
David Henry (DH)	Wollondilly Shire Council Representative
Matthew Montgomery (MMt)	Subsidence Advisory NSW

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		Who	When Req'd	Date Raised
1. Welcome and Introductions				
1.1.	Michael Muston is the Independent Chairperson. He acknowledged the Traditional Owners of the land on which we met and paid respects to their Elders, past and present.	NOTE		01/12/22
1.2.	MM welcomed new attendees, Ibrahim Muharrem from Wollondilly Shire Council (substituting for David Henry) and meeting observers, Nic Clyde and Nicole Pearce who applied for the vacant committee member positions. • NC gave a brief introduction about himself to the committee. Resides in inner Western Sydney and is the NSW Coordinator for Lock the Gate. Strong interest in Greenhouse Gas issues, groundwater, noise, dust and climate. Broad understanding of mining industry having been involved with Dendrobium and Glencore in the past. • NP also gave a brief introduction on arrival of her local community involvement and interest in Tahmoor Coal operations.			
2. Declarations of Interest				
2.1.	MM is paid by Tahmoor Coal.	NOTE		01/12/22
3. Apologies				
3.1.	As per list above.	NOTE		01/12/22
4. Confirmation of Minutes of Previous Meeting				
4.1.	Confirmation of Q3 Minutes from 1 September 2022 accepted. Note: Q3 minutes added to the Tahmoor Website.	NOTE		01/12/22
5. Business Arising from Previous Minutes				
5.1.	AB to discuss with management about covering the costs for The Oaks Historical Society to have an ad in the Destination Wollondilly magazine. Tahmoor agreed to cover this cost as part of the Community Investment Program – ***completed & closed***.	CLOSED		01/12/22
5.2.	RB to include an update about the mine site mitigation works at the December meeting – ***update in meeting presentation, completed & closed***.	CLOSED		
5.3.	ZA to provide an update on what subsidence was predicted at the Stonequarry Creek rock bar verse what occurred – ***update in meeting presentation, completed & closed***.	CLOSED		
5.4.	DH to check with Council regarding the feasibility of a camera installation at Stonequarry Creek rock bar due to the misuse by vehicles and dirt bikes. IM advised that surveillance cameras are typically only used for illegal dumping purposes, but Council would look into this further.	**OPEN**	**02/03/23**	
5.5.	TO to provide an update on the brine disposal solution – ***update in meeting presentation, completed & closed***.	CLOSED		
6. Correspondence - update as per the agenda				
6.1.	Q1 TCCCC Meeting Agenda distributed – Emailed by Amanda Bateman 24/02/2022	NOTE		01/12/22
6.2.	TCCCC member application received – Emailed by Michael Muston 01/09/2022			
6.3.	Q3 Meeting Invoice – Emailed by Michael Muston 12/09/2022			
6.4.	Western Domain Newsletter #5 – Emailed by Amanda Bateman 16/09/2022			
6.5.	Q3 TCCCC Meeting Minutes amendment – Emailed by Michael Muston 27/09/2022			
6.6.	Q3 TCCCC Meeting Minutes distributed – Emailed by Amanda Bateman 27/09/2022			
6.7.	CMAP Quarterly Report September 2022 – Emailed by Amanda Bateman 29/09/2022			
6.8.	Q4 TCCCC Meeting venue arrangements – Emailed by Michael Muston 29/09/2022			
6.9.	Review of draft CCC Guideline changes – Emailed by Michael Muston 13/10/2022			
6.10.	Q4 TCCCC Meeting invitation to Nic Clyde – Emailed by Michael Muston 13/10/2022			

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6.11. Q4 TCCCC Meeting invitation to Nicole Pearce – Emailed by Michael Muston 13/10/2022 **6.12.** Q4 TCCCC Meeting agenda item request – Emailed by Nic Clyde 17/10/2022 **6.13.** Q4 TCCCC Meeting attendance confirmation – Emailed by Nicole Pearce 31/10/2022 **6.14.** Q4 TCCCC Meeting agenda – Emailed by Amanda Bateman 24/11/2022 **6.15.** Q4 TCCCC Meeting additional agenda item – Emailed by Michael Muston 25/11/2022 **6.16.** Q4 TCCCC Meeting apology & substitute attendee – Emailed by David Henry 25/11/2022 **6.17.** Wollondilly Heritage Museum ad – Emailed by Bob Clayton 30/11/2022 **6.18.** Subsidence claim statistics – Emailed by Matthew Montgomery 01/12/2022				
7. Committee Members Reports				
7.1. James Johnson • Nil		NOTE		01/12/22
7.2. Col Mitchell • Nil		NOTE		01/12/22
7.3. David Auchterlonie • Nil		NOTE		01/12/22
7.4. Bob Clayton • Asked if committee member initials could be added to the meeting agenda to assist with identifying members assigned to actions and correspondence. ***AB to include going forward.*** • Asked about a recent news story involving NSW coal mines and issues with adjusting invoices. ○ PV asked whether this was in relation to the reported allegations made that some coal exporters have been misleading about the quality of Australian coal. Tahmoor Coal is not involved in this.		**AB**	**02/03/23**	01/12/22
7.5. Ibrahim Muharrem • Nil		NOTE		01/12/22
7.6. Michael Banasik • Nil		NOTE		01/12/22
8. Mining Operations Update – Mine Update (presented by Peter Vale)				

8.1. Mine Update:
• All major mining equipment has now transitioned from Tahmoor North to Tahmoor South.
  ○ First longwall commenced in Tahmoor North April 2004, final longwall finished in September 2022.
• Recovery of other equipment from Tahmoor North for future use in Tahmoor South, will be ongoing until around March 2023, when final sealing of Tahmoor North will occur.
• Major projects ongoing, some linked to consent requirements:
  ○ Front entrance roadworks - complete
  ○ Underground booster fans – first fan complete
  ○ Sewerage Treatment Plant - installed
  ○ Waste Water Treatment Plant – in progress
  ○ Noise mitigation works – in progress
		NOTE		01/12/22

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	○ Final Planning Agreement for Bargo Sportsground with Council for signature ($3.375M) • Coal price has been fairly stable between $250 to $300/t (USD)			
	8.2. Tahmoor South: • Longwall South 1A (LW S1A) commenced on 18 October 2022 • Production rates for first 100kt were best ever, completed in 10 days • Seam in the first 300-400m was thinner than anticipated, resulting in higher dilution and lower yield • Production capacity has been constrained by reject circuit at Coal Handling Prep Plant (CHPP). • Development mining for LWS1A complete (first workings, no subsidence) • Development mining in maingate for Longwall S2A (MG2A panel), some challenges with gas drainage (first workings, no subsidence) ○ NC asked what the challenges were with gas drainage? PV responded that we faced some difficulties reducing the gas levels below the threshold level for normal mining in a section of the development roadway covering about 50m. • Development mining in maingate for Longwall S3A has commenced (MG3A panel) (first workings, no subsidence) • In November, Tahmoor Coal submitted a variation to Department of Planning & Environment (DPE) advising that no new ventilation shafts are required for Tahmoor South Domain.	NOTE		01/12/22
9. Tahmoor South (presented by April Hudson, Ross Barber, Peter Vale and Amanda Bateman)				
	9.1. Longwall South 1A (LW S1A) • LW S1A commenced on 18 October 2022 • LW S1A is currently at 340.5m at COB 30/11/2022 (total length 1714m). ○ DA asked where does LW S6A end on the surface? AH showed the location on an aerial image, finishing between the roadway ends of Yarran and Caloola Rd. • Regular environmental monitoring has commenced in accordance with approved LW S1A-S6A Extraction Plan: ○ Surface water – flow and water quality ○ Waterways - pools, channel morphology, knickpoints ▪ MM asked what type of creek line Teatree Hollow Tributary is, eg. permanently flowing? AH and TO responded that it is similar to Redbank Creek 1st and 2nd order creeks, mostly flowing during rainfall events. ○ Groundwater – level and water quality ○ Geotechnical - farm dams, steep slopes, cliffs ○ Agricultural land ○ Aboriginal heritage – rock shelter (Teatree Hollow 2013.1) ○ Historical heritage ○ Aquatic ecology ○ Terrestrial ecology – threatened flora, Threatened Ecological Communities • No observed subsidence-related impacts to environmental features. **9.2. Management and mitigation in progress for surface assets for LW S1A:** • Council Roads and Far Field Bridges (complete) • Power poles (complete) • Built features (complete) • 3 x Telecommunications (complete) • Main South Railway and Far Field Bridges (complete)	NOTE		01/12/22

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	• Mine site (in progress) • Gas main (in progress) • Wollondilly Anglican College (in progress) • Bargo Petroleum (in progress) ○ NP asked how much subsidence is predicted at the petrol station? There is 1050mm of total vertical subsidence predicted. • Sydney Water Sewer (in progress) • Sydney Water Potable Water (in progress)			

9.3.	**Greenhouse Gas Management**
	• Update on SSD 8445 – Schedule 2 – Part B – Condition B19(a):
	  ○ B19(a) - An independent technical specialist has been engaged to prepare a study to determine reasonable and feasible measures that can be implemented to further reduce the abated Scope 1 and 2 GHG emissions (April 2023).
	  ▪ NC asked if the CCC would have any role in reviewing draft reports, such as the new GHG abatement study required by condition B19? PV advised that the committee generally does not have an opportunity to review draft reports. Reports are prepared by Tahmoor Coal as required by the consent. Progress of the works subject of the reports is often presented to the CCC in future meetings.
	• Gas Drainage Plant upgrade:
	  ○ Tahmoor Coal has commenced capital works to increase the capacity of the Gas Drainage Plant to maximise gas extraction from the underground workings.
	  ○ Plant capacity (3,000L/s) currently, capacity at completion of upgrades will be 6,000L/s.
	  ○ Contract awarded to CS Gas and work has commenced.
	  ○ This will optimise gas capture to enable increased electricity generation. Thereby using less electricity from the grid and reducing Greenhouse Gas emissions.
	  ▪ NC asked if Tahmoor Coal is considering Ventilation Air Methane (VAM) technology? PV advised that Tahmoor Coal is not considering VAM at this stage. NC asked why VAM is not being considered? PV advised that at present this technology is not considered viable at Tahmoor site and that the independent study in 2023 would consider other abatement options.
	  ▪ IM asked what are the main sources of emissions for the site? PV advised this information is available on the website.
		NOTE		01/12/22

9.4.	**Community – Tahmoor South Newsletters** • Tahmoor South Newsletter #2 issued to all residents within the study area on 21 October 2022. • Tahmoor South December Newsletter #3 to be issued week beginning 5 December 2022.			
9.5.	**Community – Western Domain Newsletters** • Final Western Domain Newsletter #5 was issued to residents on 16 September 2022 confirming completion of mining.			
10. Mining Operations Update - Western Domain (presented by April Hudson, Zina Ainsworth and Ross Barber)				
10.1.	**Western Domain update – Longwall West 4 (LW W4)** • LW W4 commenced on 16 May 2022 and finished on 13 September 2022. • Environmental monitoring currently in post-mining stage, to continue until September 2023.			01/12/22

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- No observed subsidence-related impacts to dams, cliffs, steep slopes, agricultural land, surface water & groundwater, aquatic or terrestrial ecology, or Aboriginal heritage in last 3 months.
- Historical heritage culverts (88.400 and 88.980):
  - Level 3 TARP trigger for cracking on portal ends of both culverts (since LW W2). No development of cracks in the last 3 months.
  - Tahmoor Coal will complete repairs to the asset owner's technical standards for sandstone structures.

10.2. Stonequarry Creek Rock bar (SR17)

Table 5.6 Maximum predicted total vertical subsidence, upsidence and closure for Rockbar SR17 in Stonequarry Creek

Location	Longwall	Maximum predicted total vertical subsidence (mm)	Maximum predicted total upsidence (mm)	Maximum predicted total closure (mm)
Rockbar SR17	After LW W2	< 20	20	20
	After LW W3	30	70	60
	After LW W4	40	70	70

- Reasonable correlation between predicted and observed vertical subsidence
- Observed closure across width of rock bar less than 5mm, significantly than predicted closure. Localised closure of 10mm in south-east corner, also much less than prediction.
- No measurable upsidence observed across body of rock bar. Upsidence of 10mm observed in south-east corner of rock bar, much less than prediction.

10.3. Redbank Creek Culvert (91.265km) Restoration

- Contract awarded to Downer Pipetech.
- Culvert lining is 75% complete.
- Continued rain impacts and flooding in September and October impacted progress with completion no scheduled for late January 2023.
- Australian Rail Track Corporation (ARTC) Construction Verifier has reviewed progress throughout works.

NOTE

11. Environment Update (presented by Natalie Brumby and Tom O'Brien)

11.1. Environmental Incidents

- There were no Environmental Incidents reported since the previous meeting and there have been no incidents for over 12 months.

Month	Environmental Incidents
September 2022	0
October 2022	0
November 2022	0

NOTE — 01/12/22

11.2. Water – *License Discharge Point 1*

- There were nil exceedances since the last meeting.
  - IM asked if environmental data is available. NB responded that water quality and dust monitoring data is uploaded monthly to our website.
  - NP asked if water quality levels will change with the osmosis plant? NB responded that the Waste Water Treatment Plant will lower all levels.

NOTE — 01/12/22

11.3. Depositional Dust

- Deposited dust levels continue to be below Environment Protection Authority (EPA) target levels of 4mg/m^2 per month.
- Q4 average levels were 0.66mg/m2

NOTE — 01/12/22

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11.4. Waste Water Treatment Plant • Current status ○ Redundant WTP removed from WTP building to make room for construction of main plant completed in October 2022 ○ Final detailed design completed in November 2022 ○ Civil construction risk assessment completed in November 2022 ○ Inductions of civil contractors underway (Nov-Dec) to kick-off construction ○ Main plant on schedule to commence operation in December 2023 • Brine Disposal at Port Kembla (discharge to ocean) ○ Access options to the proposed Port Kembla Brine Disposal Facility currently being explored with the Port Kembla Coal Terminal (PKCT) ○ Department of Planning & Environment (DPE) and Environment Protection Authority (EPA) have been consulted regarding the Seawall Rd facility – no environmental concerns raised ○ Additional human health impact studies are being undertaken at the request of the EPA – expected to be completed in January 2023 ▪ NP commented that the Seawall Road disposal facility is closing. ZA advised Tahmoor Coal is planning disposal at a different facility. • Brine Disposal at Tahmoor (underground discharge) ○ Modelling currently underway to seek modification of consent (to be submitted to DPE) ▪ BC asked if the brine would be disposed in the old mine workings area? PV responded yes that is the intended plan. • Tahmoor Coal will keep the committee updated on these projects.	NOTE		01/12/22
12. Myrtle and Redbank Creek Remediation Plan Update (presented by Nick Le Baut)				
12.1. Remediation Works Schedule: • Myrtle Creek Stage 2 remediation works completed in August 2022 • All Myrtle Creek pools in monitoring phase • Redbank Creek works on schedule as per approved schedule by Resources Regulator – to be completed by December 2023 ○ ***Action: NLB to provide map location of creek remediation sites with minutes.***	NOTE **NLB**	 **15/12/22**	01/12/22
12.2. Myrtle Creek update • Monitoring phase: ○ 6 pools in monitoring phase – surface water, groundwater and aquatic ecology monitoring. ○ Monitoring required for a period of two tears to assess the effectiveness of the remediation works. • Pool 23: ○ Remediation was completed in February 2020. ○ Recession analysis over 28 months has demonstrated that the remediation works has been successful at Pool 23.			
12.3. Redbank Creek Rock bar RB5 and Pool 21			

	Schedule	Completed	In Progress	Remaining
Myrtle Creek – Pools	7 Pools	7	0	0
Redbank Creek – Pools	15 Pools	12	1	2
Redbank Creek - Rock Bars	6 Rock Bars	3	1	2

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	• RB5 Rock bar:
	  ○ Construction of 50m wide x 18m deep curtain wall in 4 stages in progress.
	  ○ Stage 4 (18m depth) near completion.
	  ○ Early positive outcome with the improvement of pool holding capacity.
	• Pool 21:
	  ○ Remediation Strategy: Pattern grouting (3m depth) 10m wide hydraulic control.
	  ○ Works completed, water level and recession analysis in progress.
	12.4. Redbank Creek – Future sites
	• Redbank Creek – Rock bar 37 and Pool 36
	  ○ Site mobilisation in progress.
	  ○ Access scaffold completed.
	  ○ Remediation scheduled to start min-December 2022.
	  ▪ IM asked about vegetation clearing and ecology studies prior to undertaking works. NLB advised that the access scaffold has minimal impact and requires very little clearing. An ecological assessment was carried out prior to scaffold installation and clearing. NLB also added that baseline aquatic ecology studies were conducted prior to mining and continue to be conducted for 2 years following creek remediation works.
	• Redbank Creek investigation drilling
	  ○ Consists of drilling investigation borehole and fracture mapping to identify the extent of the fracture network (borehole camera survey and permeability testing).
	  ○ Completed at Pool 37 and RB3, in progress at Pool 28.
	  ○ Completion due end of December 2022.
		NOTE		01/12/22

13. Community Update (Presented by Amanda Bateman)				
	13.1. Community Complaints • There were three community complaints reported since the previous meeting relating to alarm noise and vegetation and equipment removal. All complaints have been investigated and addressed. **Month** / **Community Complaints** September 2022 – 0 October 2022 – 3 November 2022 – 0 **13.2. Community Sponsorships:** • Wollondilly Mayor Relief Fund – Buxton car accident - $2,500 donation • Wollondilly Heritage Museum - $720 for the Destination Wollondilly magazine advertisement ○ BC advised the magazine reaches 20,000 people on a quarterly basis and is seeking ongoing sponsorship from SIMEC for the advertising costs. A formal submission will be made in due course. • Retired Mine Workers Association - $500 donation for RMWA Christmas event • Picton ANZAC Day Committee - Remembrance Day Dinner - $500 table for the Remembrance Day dinner • MS Ride the Gong fundraiser - $281 donation • Tahmoor Public School - $1,000 for 'Light Up Tahmoor' school event • Wollondilly North Rotary Club - $500 donation for Christmas trailer raffle • Bilingarra Miyan Foundation - $5,000 grant for Christmas toy drive & hampers • His House Church - $1,000 grant for Christmas hampers	NOTE		01/12/22

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- Community Links Wellbeing - $5,000 grant for Christmas hampers
- Wollondilly Beach Bus 2023 - $10,000 grant for summer beach bus

13.3. Tahmoor Coal 40th Celebration

- Tahmoor Coal hosted a 40th anniversary celebration (a year late due to Covid) at Picton Bowling Club on Friday 14 October 2022 for current and former workers and their partners.

14. Subsidence Advisory NSW Update (Presented by Amanda Bateman)

14.1. Residential Claim Status

Residential Active Claim Status	
Total number of open claims	27
Preliminary assessment	0
Claims on hold	1
Under investigation	13
Land & Environment Court Appeal (L&EC)	0
Determination issued	10
Review requested	3

14.2. Picton Industrial Area

Picton Light Industrial Area	
Total number of claims	28
Claims accepted & finalised	27
Determination issued	1

NOTE — 01/12/22

14.3. Coal Mine Subsidence Compensation Act 2017 Statutory Review

- Department of Customer Service has commenced a review of the CMSC Act 2017 which came into effect in January 2018.
- NSW Government is inviting public feedback to make sure the laws are still appropriate and fair to everyone.
- Seeking public views on:
  - The relevance of the objectives of the Act
  - The mine subsidence damage compensation framework
  - Development regulation within mine subsidence districts
  - Compliance and enforcement of the Act.
- Have your say by Monday 19 December 2022.
- NSW Government are encouraging everyone to share the 'Have Your Say' link with your networks.

15. TCCCC Finance

15.1.	The TCCCC bank balance is currently $32,872.37 statement end 30 September 2022.	NOTE		01/12/22

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16. General Business				
16.1.	Final review of the proposed changes to the CCC Guideline from Department of Planning was due 4/11/2022. Key changes around WHS, selecting and appointing committee members and code of conduct.	NOTE		
16.2.	Preparation of Annual Report – MM will draft the Annual Report and distribute to the committee prior to the March 2023 meeting with the intention that the TCCCC endorse the final report at the next meeting.	**MM**	**17/02/23**	
16.3.	New Tahmoor Colliery website coming soon – due to launch on 6/12/2022.			01/12/22
16.4.	IM advised the Council Draft Sustainability Policy is on public exhibition until 14/12/2022.	NOTE		
16.5.	IM advised that Council is looking at opportunities for waterways data sharing and would like to discuss this further with Tahmoor Coal about the water quality data we currently collect. ***Action: IM to send through more information to Tahmoor Coal regarding the request.***	**IM/DH**	**02/03/23**	
16.6.	MM closed the meeting.			

Meeting Closed	*7.00pm*	Next Meeting	*Thursday 2 March 2023*	Time	*5:00pm*	Location	*Tahmoor Coal*