Tahmoor Colliery Community Consultative Committee
Minutes of Meeting – Tahmoor Coal Conference Room & Microsoft Teams
Thursday 2 December 2021

Name	Role
Attendees	
Michael Muston (MM)	Independent Chairperson
James Johnson (JJ)	Community Representative
Col Mitchell (CM)	Community Representative
David Auchterlonie (DA)	Community Representative
Bob Clayton (BC)	Community Representative
David Henry (DH)	Wollondilly Shire Council Representative (online)
Peter Vale (PV)	Tahmoor Coal Representative
Zina Ainsworth (ZA)	Tahmoor Coal Representative
Amanda Bateman (AB)	Tahmoor Coal Representative (minute taker)
Invitees	
Natalie Brumby (NB)	Tahmoor Coal Representative
April Hudson (AH)	Tahmoor Coal Representative (online)
Thomas O'Brien (TO)	Tahmoor Coal Representative
Nick Le Baut (NLB)	Tahmoor Coal Representative (online)
Apologies	
Greg Kininmonth (GK)	Resources Regulator
Robert Khan (RK)	Wollondilly Shire Council Representative
Ana Gracanin (AG)	Community Representative
Matthew Montgomery (MMt)	Subsidence Advisory NSW
Ross Barber (RB)	Tahmoor Coal Representative

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SIMEC

Time Location Date	5.00pm to 6.40pm Conference Room 1 & Microsoft Teams Meeting 2 December 2021	Minute Taker		AB
		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		02/12/21
2. Declarations of Interest				
2.1.	MM is paid by Tahmoor Coal.	NOTE		02/12/21
2.2.	Tahmoor Coal Apprentice Engagement Program purchase barbeque items from Khan Supa IGA Picton, which is owned and operated by RK.			
3. Apologies				
3.1.	As per list above.	NOTE		02/12/21
4. Confirmation of Minutes of Previous Meeting				
4.1.	Change requested by BC to section 7.7 – a community member asked about former SA NSW staff working for Tahmoor Coal. ***Action: AB to amend minutes and redistribute.***	AB	**10/12/21**	
4.2.	Confirmation of Minutes from 2 September 2021 accepted with change made. Note: Q3 minutes to be added to the Tahmoor Website.	NOTE		02/12/21
5. Business Arising from Previous Minutes				
5.1.	Committee requested a mine plan be distributed showing the Tahmoor South first working development mining in relation to the mine site and surrounding properties. ***AB emailed mine plan to members on 6 September 2021 – Completed and closed.***	CLOSED		
5.2.	Committee asked do water quality limits change with the implementation of the Waste Water Treatment Plant? Tahmoor to provide a brief explanation of ANZECC Guidelines as well as EPL limit next meeting – ***included in meeting presentation.***	CLOSED		02/12/21
5.3.	Committee requested acronyms throughout presentation be spelt out in full to assist going forward – ***Completed and closed.***	CLOSED		
6. Correspondence - update as per the agenda				
6.1.	Tahmoor South First Workings Mine Plan – Emailed by Amanda Bateman 06/09/2021	NOTE		02/12/21
6.2.	Western Domain Newsletter #4 Sep 2021 – Emailed by Amanda Bateman 14/09/2021			
6.3.	Q3 TCCCC Chair invoice submitted for payment - Emailed by Michael Muston 15/09/2021			
6.4.	Q3 Draft TCCCC Meeting Minutes – Emailed by Amanda Bateman 23/09/2021			
6.5.	Q3 TCCCC Meeting Minutes confirmed – Emailed by Michael Muston 23/09/2021			
6.6.	Q3 TCCCC Meeting Minutes distributed – Emailed by Amanda Bateman 24/09/2021			
6.7.	CMAP Sep 2021 Newsletters – Emailed by Amanda Bateman 29/09/2021			
6.8.	Draft Air Quality & Greenhouse Gas Management Plan – Sent by Amanda Bateman 08/10/2021			
6.9.	Response to Draft Air Quality & Greenhouse Gas Management Plan – Emailed by Ana Gracanin 23/10/2021			
6.10.	Response to Draft Air Quality & Greenhouse Gas Management Plan – Emailed by David Henry 29/10/2021			
6.11.	Six Monthly Subsidence Report LW W1-W4 – Emailed by Amanda Bateman 16/11/2021			
7. Committee Members Reports				
7.1.	**David Auchterlonie**	DA		02/12/21

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	• Does Tahmoor know about the tippers and trucks coming in and out of Kader Street Bargo? o PV advised that Tahmoor will investigate but unlikely related to mining operations.	TO	**10/12/21**	
7.2.	**Col Mitchell** • Nil	CM		02/12/21
7.3.	**David Henry** • Provided an update regarding the Thirlmere Lakes Research Program meeting which SIMEC Mining representatives, Natalie Brumby and Tom O'Brien attended. Researchers to continue monitoring the hydrology of the lakes. A report is due to be released in December or January from the Department of Planning, Industry & Environment (DPIE) Science Division. • Local council election being held on Saturday 4 December 2021. Following the election results, a new council representative for the TCCCC will be selected and notification will be provided in early February 2022. ***Action: DH to notify MM and AB of the new representative once known.***	DH	**11/02/22**	02/12/21
7.4.	**Robert Khan** • Apologies	RK		02/12/21
7.5.	**Ana Gracanin** • Apologies – sent message seeking an update on the Air Quality & Greenhouse Gas Management Plan o AB advised the feedback received on the plan was consolidated and the plan was submitted to Department of Planning, Industry & Environment (DPIE) for endorsement. ***Action: AB to email final version to AG***	AG AB	**03/12/21**	02/12/21
7.6.	**James Johnson** • Nil	JJ		02/12/21
7.7.	**Bob Clayton** • Nil	BC		02/12/21
8.	**Mining Operations Update** – Mine Update (presented by Peter Vale)			

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8.1. Mine Update:

- Tahmoor Colliery officially turned 40 on 23 October 2021.
- Funding for Australian Mining and Primary Steel (MPS) Australian business secured through Credit Suisse Asset Management (CSAM), who originally funded through Greensil. Wind up application withdrawn when deal was secured.
- Funding for the greater business ongoing
- Major Fraud office investigation in UK – no update
- Coal price – rose to historical high above $400/t, has reduced recently to around $315/t for Hard Coking Coal (HCC) (Tahmoor 89% of HCC).
- Iron ore prices have fallen, mainly driven by oversupply as steel making in China has slowed.

8.2. Western Domain:

- Longwall West 3 commenced on 14 September 2021.
- Start delayed by finalisation of Management Plans and Trigger Action Response Plans (TARPs) for monitoring of Stonequarry Creek Rockbar.
- Excellent performance to date, including daily and weekly production records.
- Development in Main Gate West 4 (MGW4) delayed by difficult geotechnical conditions requiring additional support.

8.3. Tahmoor South:

- Development mining ongoing in Tail Gate 1A (TG1A) for longwall South 1A (S1A) (no subsidence)
- Commenced development mining in Main Gate 1A (MG1A), installing conveyor for ongoing mining (no subsidence)
- Ongoing rehabilitation and construction works – ventilation, conveyors, gas drainage, etc.

NOTE — 02/12/21

9. Mining Operations Update – Tahmoor South (presented by April Hudson, Zina Ainsworth and Amanda Bateman)

9.1. Tahmoor South consent:

- Developing 13 Environmental Management Plans, status of each provided in table below.

Management Plan	Required Approval Timing	Status
Air Quality and Greenhouse Gas	Prior to Construction	Submitted to DPIE for endorsement
Noise Management Plan	Prior to Construction	Submitted to DPIE for endorsement
Traffic Management Plan	Prior to Construction	Submitted to DPIE for endorsement
Water Management Plan	Prior to Construction	Drafted, awaiting finalised Surface Water Management Plan
Surface Water Management Plan	Prior to Construction	HEC draft received, being reviewed by Tahmoor
Groundwater Management Plan	Prior to Construction	Submitted for agency comment
Biodiversity Management Plan	Prior to Construction	Agency comments received, final draft in preparation
Bushfire Management Plan	Prior to Construction	Submitted for agency comment
Spontaneous Combustion Management Plan	Prior to Second Workings	Drafted, awaiting Tahmoor comments
Social Impact Management Plan	Prior to Second Workings	Draft underway
Rehabilitation Strategy	Within 6 months of date of commencement of second workings	Agency comments received, final draft in preparation
Rehabilitation Management Plan	12 months from Regulations	Draft underway
Waste Management Plan	Update Only	Plan updated with Tahmoor South commitments

9.2. Tahmoor South Longwalls South 1A to South 6A (LW S1A-S6A) Extraction Plan:

- Mine plan recently confirmed
- Government agency and community consultation yet to commence
- Submission of LW S1A-S6A Extraction Plan anticipated April 2022

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	• Document preparation has commenced:
	  ○ Extraction Plan main document
	  ○ Water Management Plan
	  ○ Biodiversity Management Plan
	  ○ Land Management Plan
	  ○ Heritage Management Plan
	  ○ Built Features Management Plan
	  ○ Public Safety Management Plan
	  ○ Subsidence Monitoring Program
	• MM asked if Picton Wier was within the Study Area and if it would be impacted. ZA responded that it was not, however in accordance with the precautionary approach, a management plan for this structure will be prepared as part of the Extraction Plan.
	9.3. Tahmoor South Major Projects:
	• Mine site entrance upgrade (commencing April 2022)
	• Site noise mitigation works (to be completed by February 2024)
	• Sewage Treatment Plant (to be completed by September 2022)
	• Upgrade of air monitoring equipment
	• Gas Plant upgrade
	• Booster fan installation
	• Extensive surface and groundwater monitoring
	  ○ ***Action: AB to arrange presentation from Project Manager at next meeting***
	9.4. Tahmoor South Business Property Subsidence Management Plans:
	• 11 business/commercial properties have been identified in the A series longwalls requiring an individual Property Subsidence Management Plan (PSMP)
	• Consultation meetings have commenced with business owners
		AB	**03/03/22**	

10. Mining Operations Update - Western Domain (presented by April Hudson, Zina Ainsworth and Amanda Bateman)				

	10.1. Western Domain update – Longwall West 3 (LW W3)
	• Tahmoor Coal received Department of Planning, Industry & Environment (DPIE) approval for the commencement of LW W3 on Monday 13 September.
	• LW W3 is currently at 645m at COB 30/11/21 and the northern end of Stonequarry Estate will be in the Active Subsidence Zone this week.
	10.2. Subsidence Monitoring Observations
	• 407mm maximum observed incremental vertical subsidence at LW W3 centreline.
	• LW W2 centerline monitoring data indicates observed subsidence to be less than 650mm predicted maximum incremental vertical subsidence.
	• MM asked whether the predicted LW W2 maximum observed incremental vertical subsidence was the same as that for LW W3. AH responded that it was less than the predicted LW W3 amount, and the LW W2 measurements were less than predicted.
	10.3. Western Domain - Environmental
	• Latest Six-Monthly Subsidence Impact Report completed 15 November 2021.
	• No observed subsidence-related impacts to surface water level and quality, pools, dams, ecology, cliffs, steep slopes, agricultural land, Aboriginal heritage.
	• Surface water level:
	  ○ Level 3 TARP trigger for Pool CR14 in September 2021.
	  ○ Relatively small water level decline most likely related to prevailing below average rainfall conditions.
	  ○ Trigger resolved naturally.
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	• Historical heritage:
	  ○ Rail sandstone culverts at 88.400 km and 88.980 km experienced cracking and spalling of sandstone blocks in the headwalls, culverts stable.
	  ○ Inspected by a heritage consultant at end of LW W2, Level 3 TARP trigger confirmed.
	  ○ Notification to Department of Planning, Industry & Environment (DPIE) on 21 September 2021.
	  ○ Advice being sought from heritage stonemason regarding remediation of the sandstone, to be completed after full effects of LW W3-W4 completed.
	• Groundwater quality:
	  ○ 'Potential' Level 4 Trigger Action Response Plan (TARP) trigger at P13C for Lithium – result of variation in natural groundwater condition rather than mining. Trigger level revised.
	  ○ Level 3 TARP trigger for Strontium and Barium at 2 private groundwater bores – likely due to pumping operations or natural variation rather than mining. Ongoing monitoring.
	• Groundwater level:
	  ○ Recovery from depressurization impacts from extraction of LW W1 and LW W2 noted in 4 shallow groundwater bores and 3 intakes in one deep groundwater bores – reduction in TARP trigger levels over last 6 months.
	  ○ Retained Level 4 TARP trigger at one intake in deep groundwater bore TNC036, however expected to reduce to Level 3 soon.
		NOTE		02/12/21

	10.4. Stonequarry Creek Rockbar
	• Extensive monitoring program:
	  ○ Real-time subsidence monitoring
	  ○ Manual surveying by two independent consultants
	  ○ Visual inspections
	  ○ Joint measurements
	  ○ Stress cell monitoring
	  ○ Inclinometer (monitoring underground movements)
	  ○ Groundwater monitoring
	  ○ Surface water monitoring
	  ○ Specialist Technical Committee
	  ○ Steering Committee
	• Rockbar fracture and actions taken:
	  ○ No impact to Aboriginal Heritage Axe Grinding Grooves
	  ○ No impact to pool water holding capacity
	  ○ Stopped Longwall West 3 mining (4 days non-operational)
	  ○ Thorough Technical Specialist Committee investigation
	  ○ Geotechnical engineering inspection
	  ○ Site inspection with Heritage Consultant and Registered Aboriginal Party (RAP) representative
	  ○ Increased frequency of monitoring and visual inspections
	  ○ Increased Specialist Technical Committee & Steering Committee meetings
	  ○ Recommended to recommence longwall at reduced extraction rates
	  ▪ DH requested a summary of the Stonequarry Creek Rockbar monitoring report findings. ***Action: ZA to include for March meeting.***
		ZA	**03/03/22**	

	10.5. Heritage Rail and Main Southern Rail Update • Final Far Field preparation works for LW W4 on the Main Southern Railway (MSR) to be completed and commissioned by mid-December 2021.			

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	• LW W3 has passed beneath the Picton Mittagong Loop Line with no impact to date. • LW W3 is running parallel to the Main Southern Railway line with no impact to date.			
11. Environment Update (presented by Natalie Brumby, Tom O'Brien and Amanda Bateman)				
11.1. Environmental Incidents • There were no Environmental Incidents reported since the previous meeting. **Month** / **Environmental Incidents** September 2021 – 0 October 2021 – 0 November 2021 – 0		NOTE		02/12/21
11.2. Community Complaints • There was one community complaint reported since the previous meeting. **Month** / **Community Complaints** September 2021 – 1 October 2021 – 0 November 2021 – 0		NOTE		02/12/21
11.3. Depositional Dust • Deposited dust levels continue to be well below EPA target levels of 4mg/m^2 per month.		NOTE		02/12/21
11.4. Water – *License Discharge Point 1* • There were nil exceedances since the last meeting. • MM asked if the new parameters that come into effect following the implementation of the Waste Water Treatment Plant (WWTP) can be added to the LDP1 graphs. The committee noted that these new parameters will likely reflect as exceeded on the graphs, but it will demonstrate the new limits Tahmoor is working towards. o ***Action: NB to include the new parameter line on the LDP1 graphs going forward.***		NOTE NB	 **03/03/22**	02/12/21
11.5. Waste Water Treatment Plant • Reverse Osmosis (RO) Plant is designed to meet Australian & New Zealand Environment Conservation Council (ANZECC) Guidelines as per Environment Protection Licence (EPL) conditions (EC, Ba, Ni, As, Zn, Cu, N, Al, pH, $CaCO_3$). • Pilot plant began quality trials on 18 October 2021. • Trials due for completion on 10 December 2021. • Pilot plant performing well and permeate largely meeting ANZECC guidelines apart from: o Nitrogen levels - Plant undergoing some fine tuning. o Nitrogen levels are reducing steadily – Sewage Treatment Plant (STP) upgrades will further reduce Nitrogen levels.		NOTE		02/12/21
12. Myrtle and Redbank Creek Remediation Plan Update (presented by Nick Le Baut)				
12.1. Remediation Works Schedule:				

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	Schedule	Completed	In Progress	Remaining
Myrtle Creek – Pools	7 Pools	3	3	1
Redbank Creek – Pools	15 Pools	11	1	3
Redbank Creek - Rock Bars	6 Rock Bars	2	1	3

NOTE — 02/12/21

- Schedule approved by the Resources Regulator.
- Works to be completed by August 2022 for Myrtle Creek and December 2022 for Redbank Creek per schedule.

12.2. Myrtle Creek Pool 18:

- Remediation strategy:
  - 32m curtain wall to a depth of 6m below creek level using Polyurethane Resin (PUR).
  - Two stage process including shallow curtain wall to 2m and deeper curtain to 6m.
  - Completed in October 2021.
- Outcome:
  - Improvement in pool holding capacity following completion of Stage 2 (6m depth)
  - Further monitoring required to assess the effectiveness of the remediation strategy (Recession testing following rain events)

12.3. Myrtle Creek Pool 20: — NOTE — 02/12/21

- Return of water in pool following completion of Stage 2 remediation.
- Ongoing surface and groundwater water monitoring to assess effectiveness of remediation.
- Spring Aquatic survey completed. Report to be completed.

12.4. Myrtle Creek Pool 23:

- Surface water level has remained constant since completion of remediation in February 2020.
- Ongoing surface and groundwater water monitoring.
- Latest aquatic ecology survey – Improved habitat from remediation works due to the return of water (similar or better compared to reference sites not impacted by mining).

12.5. Redbank Creek Rockbar RB6

- Remediation strategy:
  - 50m curtain wall to a depth of 18m.
  - Four stage process including shallow curtain wall to 2m and deeper curtain in 6m increments.
  - Expected completion end of December 2021.
- Progress:
  - Stage 1 (2m) completed
  - Stage 2 (6m) completed
  - Stage 3 (12m) completed
  - Stage 4 (18m) in progress
  - Improvement in pool holding capacity however more monitoring data required
- RB6 Modelling – additional tool:
  - Assess the potential change in water level associated with the remediation of RB6.

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	○ Added tool to increase visibility by running different remediation scenario. ○ Model can be recalibrated using monitoring data to increase confidence. ○ Assist in revising remediation strategy at RB6 following review of monitoring data. **12.6. Redbank Creek Rock Bar 19 and 26:** • Spring aquatic monitoring survey completed (awaiting report) • Ground water and surface water monitoring ongoing • Further recession analysis required to confirm the effectiveness of the remediation strategy • Creek flowing over recent rain events **12.7. Future Works:** • Myrtle Creek Pool 14: ○ Remediation works to commence December 2021. ○ Methodology: 26m curtain wall at 16m depth. • Redbank Creek Pool RB6: ○ Curtain wall Stage 4 in progress. ○ Potential review of RB6 remediation strategy following early monitoring and modelling results. • Future sites: Planning for remediation works at Pool RB5 and 37 at Redbank Creek.			
13. Community Update (Presented by Amanda Bateman)				
13.1. Community Sponsorships: • **Cancer Council – Shitbox Rally 2022 -** provided a grant of $500 for the Roadrunner Team competing in the rally from Wollongong to Mackay via Innamincka in a car worth less than $1,000. This rally aims to raise $2.5M for Cancer Council research projects. • **Wollondilly Women in Excellence Awards 2022 -** sponsored $1,250 for the Wollondilly Women in Excellence Awards scheduled for March 2022. • **Great Cycle Challenge – Riding to fight kids cancer -** provided a grant of $1,035 for the Awesome Kids4Kids Team riding 500kms to raise funds for the Children's Medical Research Institute. • **Wollondilly Community Links Christmas Hampers -** provided a grant of $5,000 for the Community Links Christmas Hampers distributed to Wollondilly vulnerable families. • **Cancer Council – Walk for Sheree -** provided a grant of $1,000 for the 'Walk for Sheree' Cancer Council walks taking place in Picton and Wollongong in December 2021 in memory of an employee's late wife. • **One Stop Community Assistance (OSCA) – Christmas Hampers -** a grant of $5,000 for OSCA to purchase Christmas Hampers for Wollondilly vulnerable families and residents still recovering from the Green Wattle Creek bushfire.	NOTE		02/09/21
13.2. Community – Western Domain Newsletter 4 • Western Domain Newsletter 4 issued to residents in November 2021 • LW W3 commenced 14 September 2021 • Western Domain Newsletter 5 to be distributed mid-December 2021 • Some property claim assessments from LW W1 will commence early in 2022.	NOTE		02/12/21
14. Subsidence Advisory NSW Update				

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14.1.	**Residential Claim Status** Residential Claim Status / Active mining claims (TC) Total number of open claims: 23 Preliminary assessment: 1 Claims on hold: 18 Review requested: 1 Land & Environment Court Appeal (L&EC): 2 Determination issued: 1	NOTE		02/12/21
14.2.	**Picton Industrial Area** Picton Light Industrial Area Total number of claims: 28 Review requested: 4 Claims accepted: 24			
15.	**TCCCC Finance**			
15.1.	The TCCCC bank balance is currently $29,902.37, statement end 30 September 2021.	NOTE		02/12/21
16.	**General Business**			
16.1.	MM to draft TCCCC Annual Report with the aim to table the draft at the March 2022 meeting.	MM	**03/03/22**	
16.2.	MM raised the potential of filling the vacant position on the committee and possibly extending an invite to the local indigenous community. MM asked all members to consider this for tabling at the March 2022 meeting.	ALL	**03/03/22**	
16.3.	AB advised the committee that the apprentices will be bracing the culturally significant scar tree at Thirlmere Lakes on 7 December 2021.	NOTE		02/12/21
16.4.	**MM closed the meeting.**			

Meeting Closed	*6:40 pm*	Next Meeting	*Thursday 3 March 2022*	Time	*5:00pm*	Location	*Conference Room 1*