



Name	Role
Attendees	
Michael Muston (MM)	Independent Chairperson
David Auchterlonie (DA)	Community Representative
Bob Clayton (BC)	Community Representative
Col Mitchell (CM)	Community Representative
James Johnson (JJ)	Community Representative
Virginia Fairley (VF)	Community Representative (attended via Teams online)
Peter Vale (PV)	Tahmoor Coal Representative
Zina Ainsworth (ZA)	Tahmoor Coal Representative
Invitees	
David Talbert (DT)	Tahmoor Coal Representative (attended via Teams online)
April Hudson (AH)	Tahmoor Coal Representative
Natalie Brumby (NB)	Tahmoor Coal Representative
Nick Le Baut (NLB)	Tahmoor Coal Representative (attended via Teams online)
Amanda Francis (AF)	Tahmoor Coal Representative (minute taker)
Apologies	
Greg Kininmonth (GK)	Resources Regulator
Robert Khan (RK)	Wollondilly Shire Council Representative
Julie Sheppard	Community Representative
Ana Gracanin (AG)	Community Representative
Matt Montgomery (MMt)	Subsidence Advisory NSW
David Henry (DH)	Wollondilly Shire Council Representative
Alex Parro (AP)	Tahmoor Coal Representative
Charlie Wheatley (CW)	Tahmoor Coal Representative

Tahmoor Colliery Community Consultative Committee
 Minutes of Meeting – Microsoft Teams (COVID 19)
 Thursday 3 December 2020




Time Location Date	5.10pm to 7.00pm (approx.) Teams Meeting (COVID -19) 3 December 2020	Minute Taker		AF
		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		03/12/20
1.2.	MM acknowledged the resignation of Andrew Stuart and welcomed Nick Le Baut as the Project Manager for the creek remediation works.			
2. Declarations of Interest				
2.1.	MM is paid by Tahmoor Coal.	NOTE		03/12/20
2.2.	VF is a member of the Shafted Action Group.			
2.3.	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		03/12/20
4. Confirmation of Minutes of Previous Meeting				
4.1.	Confirmation of Minutes from 3 September 2020 accepted. Note: Q3 minutes have been added to the Tahmoor Website	NOTE		03/12/20
5. Business Arising from Previous Minutes				
5.1.	TCCCC creek tour to be organised once Covid-19 limitations allow – aim for Feb/Mar 2021.	OPEN	MAR 21	03/09/20
5.2.	Bank account signatories need updating when Covid-19 limitations allow – scheduled for Thursday 3 December before meeting – resolved today.	CLOSED		
5.3.	Wollondilly Support Brigade proposal to be sent through to ZA seeking equipment upgrade.	CLOSED		
5.4.	Provide feedback on creek ecology – covered in meeting presentation.	CLOSED		
5.5.	Show the three Tahmoor South mining domains – covered in meeting presentation.	CLOSED		
5.6.	Environmental Audit Report update to committee – draft not yet received. Update Mar 2021	OPEN	MAR 21	
5.7.	Investigate truck pathway options to REA – Resolved, rare event that trucks use the roads.	CLOSED		
5.8.	TCCCC annual payment due to be proceed by December – processing payment.	CLOSED		
6. Correspondence - update as per the agenda				
6.1.	Media Release Tahmoor Mine turbid water penalty notice – Emailed by Amanda Fitzgerald 10/09/2020	NOTE		03/12/20
6.2.	Independent Environment Audit T4C submission – Emailed by Michael Muston 14/09/2020			
6.3.	Independent Environment Audit SLR receipt of T4C response – Emailed by Nathan Archer 14/09/2020			
6.4.	Western Domain Newsletter #7 – Emailed by Amanda Fitzgerald 29/09/2020			
6.5.	LW W3 & W4 Resident Info Pack and Second Workings notification – Emailed by Amanda Francis 29/09/2020			
6.6.	LW W3 & W4 Extraction Plan key stakeholder consultation letter – Emailed by Amanda Francis 29/09/2020			
6.7.	SMP approval notification for QVMH – Emailed by Amanda Francis 29/09/2020			
6.8.	Q3 Invoice submitted for payment – Emailed by Michael Muston 30/09/2020			
6.9.	Arrangements for bank signatories – Emailed by Amanda Francis 30/10/2020			
6.10.	TCCCC Q3 Meeting Minutes – Emailed by Amanda Francis 02/11/2020			
6.11.	Tahmoor South IPC Request for Public Hearing – Emailed by Amanda Fitzgerald 03/11/2020			

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<p>6.12. LW W1 Subsidence Event Notification Carramar Close – Emailed by Amanda Francis 06/11/2020</p> <p>6.13. TCCCC Q4 Meeting Request – Emailed by Amanda Francis 11/11/2020</p> <p>6.14. TCCCC Q4 Meeting Agenda – Emailed by Amanda Francis 11/11/2020</p> <p>6.15. Western Domain Newsletter #8 – Emailed by Amanda Francis 11/11/2020</p> <p>6.16. Western Domain LW W1 & W2 Six Monthly Report – Email by April Hudson 13/11/2020</p> <p>6.17. Western Domain Newsletter #9 – Emailed by Amanda Francis 03/12/2020</p> <p>6.18. Resignation from TCCCC – Emailed by Virginia Fairley 03/12/2020</p>				
7. Committee Members Reports				
<p>7.1. David Auchterlonie</p> <ul style="list-style-type: none"> DA raised flyer about No Mine at Bargo campaign. PV advised that we are aware of the flyer and it is mainly to do with subsidence. This is No Mine at Bargo group's first response to the Tahmoor South Project second amendment submission in August 2020. 	DA		03/12/20	
<p>7.2. Col Mitchell</p> <ul style="list-style-type: none"> No update. 	CM		03/12/20	
<p>7.3. David Henry</p> <ul style="list-style-type: none"> Apologies, but provided the following update prior to the meeting - Council staff participated in a meeting with DPIE over proposed conditions of consent for Tahmoor South. Staff reiterated the position expressed in the submission on the Second Amendment Assessment Report that the modifications to the proposal with the removal of two longwalls is welcomed, however residual concerns remain (particularly in regard to potential impacts to water sources). 	DH		03/12/20	
<p>7.4. Virginia Fairley</p> <ul style="list-style-type: none"> No update. 	VF		03/12/20	
<p>7.5. Robert Khan</p> <ul style="list-style-type: none"> Apologies. 	RK		03/12/20	
<p>7.6. Ana Gracanin</p> <ul style="list-style-type: none"> Apologies. 	AG		03/12/20	
<p>7.7. James Johnson</p> <ul style="list-style-type: none"> JJ also raised flyer about No Mine at Bargo campaign. JJ enquired about the Tahmoor South Project proposed longwalls, and the reason for the longwalls being shorter at the northern end of the current mining area in Tahmoor North. <ul style="list-style-type: none"> PV advised this is due mainly to the defined stand-off from the creek systems, and for longwall West 4 the proximity to bridges and tunnels associated with the railway. 	JJ		03/12/20	
<p>7.8. Bob Clayton</p> <ul style="list-style-type: none"> BC advised that no response was provided by SA NSW regarding a matter raised in the March 2020 member's report. <ul style="list-style-type: none"> AF to follow up with SA NSW for response. 	AF	04/03/20		

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	<ul style="list-style-type: none"> BC passed on his thanks from the Wollondilly Heritage Centre and Museum for sponsoring a full-page advertisement in the Destination Wollondilly Spring 2020 paper. A copy of the paper was provided to each attendee. BC advised some TV producers are doing the rounds, possibly due to Tahmoor South Project and No Mine at Bargo campaign. <ul style="list-style-type: none"> PV advised we will notify our media team. Discussion had regarding development proposals. PV advised that Tahmoor Coal is offered to comment on some development proposals, however mine proprietors have no consent authority or decision on development approvals. 		BC		03/12/20
8. Mining Operations Update – Mine Update (presented by Peter Vale)					
8.1. Mine Update:	<ul style="list-style-type: none"> Covid-19 situation is fairly stable. Continue to monitor available information and respond accordingly. Longwall West 1 (LW W1) completed mining on 6 November 2020. Currently relocating equipment to commence LW W2 on 7 December 2020. Coking coal price continues to be challenged by Covid-19 related global effects, and the tensions between China and Australia – China not buying Australian coal. This has driven the coal price below the \$100 USD mark. 				
8.2. Tahmoor South:	<ul style="list-style-type: none"> Since submission of the second amended mine plan in August 2020, DPIE has been reviewing our submission and clarifying technical details. The next step in the process to approval is for the DPIE to provide a recommendation to the IPC, which is an independent planning body. Tahmoor Coal is expecting this recommendation to occur prior to Christmas. Once the recommendation is made, the IPC will arrange a Public Hearing on the project and issue their determination within a 12-week period. 		NOTE		03/12/20
8.3. Questions/comments regarding Tahmoor South Project	<ul style="list-style-type: none"> PV displayed the three Tahmoor South mining domains as requested at the previous meeting. The submission for assessment by the IPC is only focussed on the mine plan submitted in the second amended submission within the central domain. MM asked what is the general view in the community? <ul style="list-style-type: none"> JJ responded some negative and residents wanting finer details. More cautious concern. CM asked what is the height of the coal seam? <ul style="list-style-type: none"> PV advised that it ranges from 1.8m up to 2.6m in one small area, but generally around 2.1m. 		NOTE		03/12/20
9. Mining Operations Update - Western Domain Update (presented by David Talbert and April Hudson)					
9.1. Western Domain update - LW W1 Progress:			NOTE		03/12/20



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<ul style="list-style-type: none"> • LW W1 mining commenced 15 November 2019 and completed on 6 November 2020. • LW W2 mining expected to commence on 7 December 2020. <p>9.2. Subsidence Monitoring Observations</p> <ul style="list-style-type: none"> • Observed subsidence movements less than predicted. • 236 mm maximum observed vertical subsidence along Stonequarry Creek Road. • Observed ground strains are generally small. • Observed GNSS unit movements are at the lower end of the observed range in the survey database for the Southern Coalfields at similar depths of cover. • GNSS units above or close to LW W1 are generally moving towards the extracted panel. • Analysis of data from GNSS units on opposite sides of waterways indicates no apparent valley closure has occurred. <p>9.3. Monitoring of Environmental Features</p> <ul style="list-style-type: none"> • No observed subsidence-related impacts to dams, cliffs, steep slopes, agricultural land, ecology, or Aboriginal and historical heritage. • Surface water: <ul style="list-style-type: none"> ○ No mining-related impacts to creeks such as creek bed cracking or increased iron hydroxide precipitation. ○ No triggers to surface water quality. ○ Slight water level reduction in one pool – under observation. • Groundwater: <ul style="list-style-type: none"> ○ Water level in the deeper intakes of four groundwater bores (P12, P13, P16 & TNC36) have recorded a reduced water level below baseline range (less than 5m), however remain within predictions. ○ Likely to be attributed to mining induced regional depressurization of deeper aquifers. ○ No influence to shallower aquifers or surface water system. ○ Groundwater quality trigger for pH and dissolved zinc, likely due to bore construction materials. <p>9.4. Monitoring of Built Features</p> <ul style="list-style-type: none"> • Weekly ground surveys and visual inspections conducted in Stonequarry Estate. • Weekly surveys and inspections have been conducted around Sewage Pumping Stations. • No impacts observed to date for electrical, telecommunications, or sewer infrastructure. • Observed impacts in Stonequarry Estate: <ul style="list-style-type: none"> ○ Cracking to stormwater drains on Stonequarry Creek Road – repaired. ○ Compression hump and cracking to pavement on Carramar Close – repaired. ○ Serviceability repairs conducted at approximately 8 properties. ○ Minor water main leak on Carramar Close – repaired. ○ Non-reportable minor gas leak on corner of Carramar Close and Stonequarry Creek Road (potentially pre-mining) – continue monitoring. <p>9.5. Heritage Rail Update</p> <ul style="list-style-type: none"> • No major issues or interruptions to rail operations from LW W1 mining. • Subsidence half of predicted, and minimal impact to rail infrastructure. • LW W2 due to commence on 7 December 2020. • LW W2 expected to be beneath rail at approximately 280m extraction. <p>9.6. Rail Possession Work (Far Field)</p>				



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	<ul style="list-style-type: none"> Picton Tunnel – installation of inclinometer at top of Tunnel planned to install early December 2020. Internal inspection by structural engineer completed in November 2020 track possession. Picton Viaduct – installation of laser distance meters and inclinometers has been delayed awaiting council approval. Need to be in place for LW W3. Risk review with stakeholders taking place in February 2021. Mitigation measures determined and installed as required. <p>9.7. Adaptive Management Report</p> <ul style="list-style-type: none"> Determination whether additional setbacks of the commencing end of LW W2 is required in light of the current subsidence monitoring observations for LW W1. Modification of the starting position of LW W2 not proposed. Condition approval has been granted by DPIE. <p>9.8. Modification 5 for DA 67/98:</p> <ul style="list-style-type: none"> Seeking a modification of DA 67/98 for low level subsidence within rail corridors under Section 4.55 (2) of EP&A Act. Conditional approval has been granted by DPIE. <p>9.9. Six Monthly Subsidence Impact Report:</p> <ul style="list-style-type: none"> Submitted on 13 November 2020. <p>9.10. LW W3-W4 Extraction Plan:</p> <ul style="list-style-type: none"> Document preparation has commenced. Government Agency and community consultation has commenced. Submission of LW W3-W4 Extraction Plan anticipated January 2021. 											
10. Environment Update (presented by Natalie Brumby)												
	<p>10.1. Environmental Incidents</p> <ul style="list-style-type: none"> There was one (1) Environmental Incident reported since the previous meeting. <table border="1"> <thead> <tr> <th>Month</th> <th>Environmental Incidents</th> </tr> </thead> <tbody> <tr> <td>September 2020</td> <td>0</td> </tr> <tr> <td>October 2020</td> <td>1</td> </tr> <tr> <td>November 2020</td> <td>0</td> </tr> </tbody> </table> <ul style="list-style-type: none"> MM raised the penalty fine for the April discharge incident. <ul style="list-style-type: none"> PV commented that we are disappointed but accept the EPA decision. Real-time turbidity monitoring has been installed along with portable monitoring to give advanced warning of any developing issues so that discharge events can be avoided. 	Month	Environmental Incidents	September 2020	0	October 2020	1	November 2020	0	NOTE		03/12/20
Month	Environmental Incidents											
September 2020	0											
October 2020	1											
November 2020	0											
	<p>10.2. Community Complaints</p> <ul style="list-style-type: none"> There were no community complaints reported since the previous meeting. <table border="1"> <thead> <tr> <th>Month</th> <th>Community Complaints</th> </tr> </thead> <tbody> <tr> <td>September 2020</td> <td>0</td> </tr> <tr> <td>October 2020</td> <td>0</td> </tr> <tr> <td>November 2020</td> <td>0</td> </tr> </tbody> </table>	Month	Community Complaints	September 2020	0	October 2020	0	November 2020	0	NOTE		03/12/20
Month	Community Complaints											
September 2020	0											
October 2020	0											
November 2020	0											
	<p>10.3. Depositional Dust</p> <ul style="list-style-type: none"> Deposited dust levels continue to be well below EPA target levels of 4mg/m² per month. 	NOTE		03/12/20								
	10.4. Water – License Discharge Point 1	NOTE		03/12/20								



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	<ul style="list-style-type: none"> There were nil exceedances since the last meeting. 			
10.5. Waste Water Treatment Plant	<ul style="list-style-type: none"> Reverse Osmosis Plant Tender complete. RO Plant Tenders have been short-listed to three. RO Plant is designed to treat EC, Ni, As, Zn, Cu, N, Al to ANZECC Guidelines. Presentations from tenders underway. Further bench-testing being undertaken. Proposal for pilot plant prior to installation early 2021. 	NOTE		03/12/20
11. Myrtle and Redbank Creek Remediation Plan Update (presented by Nick Le Baut and April Hudson)				
11.1. Myrtle Creek Remediation Works:	<ul style="list-style-type: none"> Schedule for 7 pools and associated rockbars approved by Resources Regulator. Remediation Pool 23 completed. Positive outcome, no loss of water since remediation stage. Ongoing long-term monitoring. Remediation Pool 20 scheduled to start following the trials (February 2021). Remaining remediation works to be completed by mid-2022. Stage 2 – Characterisation (fracture mapping): <ul style="list-style-type: none"> Drilling of pools 20, 18, 14, 12a, 11 and 110 completed. Testing scheduled in December 2020. Stage 2 – Composite Grout Trials <ul style="list-style-type: none"> Upcoming lab trials using sand and colloidal silica composite grout aiming at replacing PUR. Materials testing, flow properties and injection modelling. Field trials scheduled January 2021 in Pool 20 pending lab trials results. Creek ecology: <ul style="list-style-type: none"> Spring 2020 monitoring survey carried out after Pool 23 rehabilitation. AUSRIVAS score – Band B for all pools surveyed. Rehabilitated Pool 23 had the same result as reference site Pool 30. Positive outcome: Pool 23 improved aquatic invertebrate habitat due to holding water. Long-term data required – further monitoring to be completed in March 2021. 			
11.2. Redbank Creek Remediation Works:	<ul style="list-style-type: none"> Schedule for 15 pools and 6 rockbars approved by Resources Regulator. Remediation of 8 pools and 1 rockbar at weir completed. Remaining of remediation works to be completed by end of 2022. Pools 26 / Weir, 27, 28 and 29 – works completed November 2020. <ul style="list-style-type: none"> Grout curtain wall at Pool 26 / Weir using PUR to 12m. Positive outcome – results show improvements with pools retaining water. Pattern grouting to 1m at Pools 27, 28 and 29. Ongoing long-term monitoring Rockbar 19 – characterisation drilling completed. <ul style="list-style-type: none"> Characterisation testing scheduled December 2020. Remediation works for Rockbar 19, Pool 20 and Pool 21 to commence January 2021 using grout curtain and pattern grouting (PUR) – expected completion June 2021. Creek ecology: <ul style="list-style-type: none"> Spring 2020 monitoring results prior to rehabilitation. 	NOTE		03/12/20



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	<ul style="list-style-type: none"> o AUSRIVAS scores – Band B and Band C. o Return of water to pools is expected to increase stream health. o Long-term data required – further monitoring to be completed in March 2021. 			
11.3. Questions regarding creeks	<ul style="list-style-type: none"> • MM asked is there any more convincing evidence with the Redbank Creek works. <ul style="list-style-type: none"> o NLB advised there is no recharge as yet. This will help all the pools. With more rainfall predicted, the silt and natural processes will continue to assist. It is too early to consider any further works. 	NOTE		03/12/20
12. Community Update (Presented by Amanda Francis)				
12.1. Community Investment – Wollondilly Beach Bus 2021	<ul style="list-style-type: none"> • Tahmoor Coal sponsored the two Beach Buses operating each Monday (4) in January 2021. • The Beach Buses will run in accordance with current Covid-19 restrictions and requires sign in. • Bus 1 covers Bargo, Tahmoor, Thirlmere, Picton and Wilton. • Bus 2 covers Warragamba, The Oaks, Oakdale and Douglas Park. 			
12.2. Community Investment – Buxton RFS – Memorial Park	<ul style="list-style-type: none"> • Tahmoor Coal committed \$25K to assist with a \$240k park upgrade at Telopea Park Buxton to honour Mr Andrew O'Dwyer and Mr Geoffrey Keaton of Horsley Park RFB who lost their lives protecting the area in the Bushfires late last year. • The memorial park grand opening will take place on Saturday 5 December 2020 with 300 attendees, including Prime Minister - Scott Morrison, Premier - Gladys Berejiklian, RFS Commissioner - Rob Rogers and Resilience NSW Commissioner - Shane Fitzsimmons. • A RFS procession will commence at 11am for the park opening. • A private viewing was held for the families in November 2020. 	NOTE		03/12/20
12.3. Community Sponsorships:	<ul style="list-style-type: none"> • Community Links Wollondilly – Tahmoor Coal provided a donation of Christmas Hampers to those in need this Christmas. • Walk for Sheree (Cancer Council) – Tahmoor Coal provided a donation to Cancer Council to support the "Walk for Sheree" virtual walk being held on 20 December 2020. • Our Community Pantry – Tahmoor Coal has partnered with OCP for a 3-month trial using Tahmoor Coal's Admin Block carpark for the Bargo food hamper collection point every Friday from 6pm – 7.30pm. The trial starts on 4 December 2020. OCP is a food-rescue service that diverts safe and edible food, household items, fruit, vegetables and bakery items heading to landfill. 			
12.4. Community – Western Domain Newsletters 7, 8 & 9	<ul style="list-style-type: none"> • Distributed to landowners in the LWW1 and LWW2 area. 	NOTE		03/12/20
13. Subsidence Advisory NSW Update				
13.1. Residential Claim Status		NOTE		03/12/20



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	Residential Claim Status	1961 Act claims (pre-2018)	Non-Active mining claims (SA NSW)	Active mining claims (TCCO)			
	Claims being determined	0	3	3			
	Claims finalised - with claimant for response	9	7	7			
	Review requested by claimant:						
	• Review by Determining Body	0	1	2			
	• Review by DCS Secretary	0	2	3			
	• Review by L&EC	0	0	0			
	Repairs being managed by SA NSW	0	1	0			
	On hold - active subsidence	0	2	6			
	Claims finalised since 1/1/2020	5	20	4			
13.2. Picton Industrial Area							
	Picton Light Industrial Area						
	Number of claims received	29					
	Structural Investigations carried out to date	29					
	Determinations issued	15					
	Claims accepted and finalised	5					
14. TCCCC Finance							
	14.1. The TCCCC bank balance is currently \$26,974.12, statement end 30 October 2020.				NOTE		03/12/20
15. General Business							
	15.1. MM raised the Annual Report which he will draft and aim to table at the March meeting.				MM	04/03/21	
	15.2. MM acknowledged receipt of Virginia Fairley's resignation email from the TCCCC. MM thanked Virginia for her time and valued input on the committee.						
	<ul style="list-style-type: none"> • PV and ZA also thanked Virginia for her time and effort on the committee. • VF thanked everyone and wished everyone a lovely Christmas and better 2021. 				NOTE		03/12/20
	15.3. JJ advised the committee he will be travelling and unavailable for the March meeting.						
	15.4. MM closed the meeting and wished everyone a happy Christmas.						
Meeting Closed	7:00 pm	Next Meeting	Thursday 4 March 2021	Time	5:00pm	Location	Tahmoor Coal/Teams Online - TBC