Tahmoor Colliery Community Consultative Committee
Minutes of Meeting – Microsoft Teams (COVID 19)
Thursday 4 March 2021

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

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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		04/03/21
1.2.	MM acknowledged the resignation of Alex Parro and welcomed Tom O'Brien as the Environment Specialist			
2. Declarations of Interest				
2.1.	MM is paid by Tahmoor Coal.	NOTE		04/03/21
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		04/03/21
4. Confirmation of Minutes of Previous Meeting				
4.1.	Confirmation of Minutes from 3 December 2020 accepted. Note: Q4 minutes have been added to the Tahmoor Website	NOTE		04/03/21
5. Business Arising from Previous Minutes				
5.1.	TCCCC creek tour to be reorganised dates are Tuesday 20th April at 2pm. AF to send out meeting invite for confirmation of numbers.	OPEN	APR 21	04/03/21
5.2.	Environmental Audit Report update to committee – draft not yet received. Update Mar 2021 – DT advised this is now available on the Tahmoor Website, and a copy of the report was distributed to all committee members on the 13 January 2021. **Resolved.**	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		04/03/21
6.2.	Follow up Bob Clayton's enquiry from March 2020 with SA NSW – Emailed by Michael Muston 04/12/2020			
6.3.	Acknowledgement of Virginia Fairley's resignation for committee – Emailed by Michael Muston 04/12/2020			
6.4.	Q4 Invoice submitted for payment – Emailed by Michael Muston 15/12/2020			
6.5.	Request for community grant form for Wollondilly Heritage Centre & Museum – Emailed by Bob Clayton 18/12/2020			
6.6.	Community grant form provided for Wollondilly Heritage Centre & Museum – Emailed by Amanda Francis 20/12/2020			
6.7.	CMAP Quarterly Progress Report December 2020 - Emailed by Amanda Fitzgerald 23/12/2020			
6.8.	SA NSW response to Bob Clayton's enquiry provided – Emailed by Matthew Montgomery 24/12/2020			
6.9.	Tahmoor South Project Update & IPC Hearing date set – Emailed by Amanda Francis 13/01/2021			
6.10.	Independent Environmental Audit Report issued – Emailed by Amanda Francis 13/01/2021			
6.11.	TCCCC Q1 Meeting Request – Emailed by Amanda Francis 18/02/2021			
6.12.	TCCCC Q1 Meeting Agenda & Q4 Meeting Minutes issued – Emailed by Amanda Francis 23/02/2021			

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6.13. TCCCC Draft Annual Report 2020 – Emailed by Michael Muston 25/02/2021 **6.14.** Western Domain LW W2 Newsletter 1 issued – Emailed by Amanda Fitzgerald 01/03/2021				
7. Committee Members Reports				
7.1. David Auchterlonie • DA asked for an update on flyer about No Mine at Bargo campaign. DT advised this would be covered off further in the presentation.		DA		04/03/21
7.2. Col Mitchell • No update.		CM		04/03/21
7.3. David Henry • Thanked SIMEC and Sanjeev Gupta for their time and arranging a zoom meeting that was held with Wollondilly Council. • Apologies for not attending the December 20 meeting.		DH		04/03/21
7.4. Robert Khan • Apologies.		RK		04/03/21
7.5. Ana Gracanin • No Update		AG		04/03/21
7.6. James Johnson • Apologies		JJ		04/03/21
7.7. Bob Clayton • BC advised that no response was provided by SA NSW regarding a matter raised in the March 2020 member's report. o SA NSW responded directly to BC and MM**. Completed** • BC advised the new sponsorship form he would like to fill out for Wollondilly Heritage Centre and Museum states sponsorship for Bargo, Buxton,Tahmoor, Thirlmere and Picton. Can he still apply for the grant even though the centre is located in the Oaks o PV advised all sponsorship application are considered, and to please send the application in.		Closed BC	04/03/20	04/03/21
8. Mining Operations Update – Mine Update (presented by Peter Vale & Tahmoor South Charlie Wheatly)				

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	8.1. Mine Update: • Covid-19 situation is fairly stable. Continue to monitor available information and respond accordingly. • Longwall West 2 (LW W2) commenced mining on 7 December 2020. • TC production performance for LWW2 has been above budget and coal quality is very good, having record numbers of extraction • LWW2 expected to be completed mid-July 2021, and approximately 1.5years left in the Western Domain. • Development operations have kicked off in TC current mining lease in areas MGW3 and 902 Panel for MGW4. • 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:** • On 17 December 2020, the Department of Planning, Industry & Environment (DPIE) recommended the Independent Planning Commission (IPC) approve the Tahmoor South Project. • The IPC held a site visit on 9 February 2021 which included a tour of the pit top, Tahmoor North mining area (including Thirlmere Lakes, Redbank and Myrtle Creeks) and Tahmoor South proposed mining area (including the Australian Wildlife Sanctuary, Dog Trap Creek and the REA). This included community representation (Julie Sheppard, NPA). • An applicant meeting was held on 10 February 2021 with the IPC Commissioners. • The Public Hearing occurred over a period of 3 days from 15 – 17 February 2021. • Key issues raised included potential subsidence and environmental impacts. • It is expected the IPC will make their final determination on the project by 19 April 2021. **8.3. Tahmoor South Community Information:** • Local MP, Nathaniel Smith issued a media release opposing the project on 23 December 2020. • This media release was letterbox dropped to the Bargo community in January 2021. • Tahmoor Coal letterbox dropped an Information Booklet to Bargo residents in January 2021. • Mr Smith chaired a Community Meeting on 1 February 2021. • Mr Smith has declined to meet with Tahmoor Coal following multiple contact attempts made since early December 2020. • The Tahmoor South Project and IPC Hearing generated a large number of social media posts. • Multiple media stories on radio, television and newspaper. • Requests for individual property information have increased seeking subsidence predictions. • Further community engagement activities will continue once the IPC determination is known.	NOTE		04/03/21

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8.4. Questions/comments regarding Tahmoor South Project • CM asked how much have TC tried to get into contact with Local MP Nathanial Smith? o PV advised TC to have reached out numerous times, some being in person out the front of the coal mine, to which he advised he was too busy to talk, via email and letter, and at his office located in Tahmoor. Mr Smith's media adviser offered TC to have a meeting with him. TC did not take up the offer as we wanted to meet directly with Mr Smith. • MM asked with the rejection of South 32's Dendrobium extension, do you think, the outcome of this project will affect the Tahmoor South Project outcome? o PV advised that the South 32 project and Tahmoor South Project are very different projects with many factors of difference. • DH advised there are different catchment geologies and different studies that have to be carried out for each, although TC project does have creeks that run into catchments. o CW advised there is no connectivity from the surface to the seam in the Tahmoor case, whereas there is connectivity in the Dandrobium case. • DH advised Wollondilly Council has a meeting with the IPC and lodged a submission outlining the following o Recognised the economic benefits for the shire and its surrounds o Recognised the jobs and going effect should the mine close o Expressed concerns over the legal implications at the Bargo Waste Management plant ▪ PV commented that TC has met with Wollondilly Shire Council and that we have agreed to work together through a Technical Advisory Committee to mitigate concerns. o Expressed concerns over Bargo residents and Subsidence Advisory NSW process.	NOTE		04/03/21
9. Mining Operations Update - Western Domain Update (presented by David Talbert and April Hudson)				
9.1. Western Domain update - LW W1 Progress: • LW W1 mining completed on 6 November 2020. • LW W2 mining progressed 735m as of 2 March 2021, expected to complete June 2021 • LW W3 plan to commence August 2021. **9.2. Subsidence Monitoring Observations** • 400 mm maximum observed vertical subsidence. • LW W2 centerline monitoring data indicates observed subsidence will likely be less than predicted subsidence. • 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 W2 are generally moving towards the extracted panel (as expected). • GNSS units on opposite sites of waterways indicate minor changes only, mostly minor valley opening observations. **9.3. Western Domain - Environmental** • No observed subsidence-related impacts to dams, cliffs, steep slopes, agricultural land, ecology, or Aboriginal and historical heritage.	NOTE		04/03/21

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- Surface water Level**:**
  - Pool CR14 on Cedar Creek – water levels have reduced below previously recorded minimum levels. Notification to DPIE, Resources Regulator and NRAR on 23/2.
  - Pool CB10 on Cedar Creek – water levels are declining similarly to Pool CR14. No notification required yet, monitoring continuing.
  - Investigation has commenced (to be completed by 26 March 2021).
  - Additional monitoring implemented.
- Visual Inspections of Pools:
  - Potential mining impact observed on 19 January 2021 for Pools CB10, CR12, CR13, CR14, CR15 on Cedar Creek and Pools MR45 and MR46 on Matthews Creek.
  - Subsequent inspections observed normal water levels.
    - DH asked if TC would be using CMAP to rehabilitate – PV and AH advised that further groundwater and surface water investigations are currently underway which would assist in determining the cause of water loss and provide guidance on whether remediation is required.
  - Visual monitoring frequency increased from monthly to fortnightly.
  - No mining-related impacts to creeks such as creek bed cracking or increased iron hydroxide precipitation.
- Surface Water Quality – No impacts Observed

9.4. Monitoring of Environmental Features

- Ground Water Level:
  - Water level in the deeper intakes of four groundwater bores (P12, P13, P16 & TNC36) have recorded a reduced water level below baseline range, however remain within predictions.
  - Likely to be attributed to mining induced regional depressurization of deeper aquifers.
  - Notification to DPIE, Resources Regulator and NRAR on 30/12/2020.
  - Investigations for groundwater and surface water interactions are underway (to be completed by 26 March 2021).
  - DA asked for clarification regarding groundwater bores and levels of monitoring. AH explained that the P series piezometers are a group of nested piezometers drilled at various depths based on geology, and TNC series are surface to seam boreholes with sensors set at different levels based on geological structures.
- Ground Water Quality:
  - P16 (all intakes) observing increase in dissolved zinc.
  - Likely due to bore construction materials.

9.5. Monitoring of Built Features

- Approaching Stonequarry Estate, and weekly inspections are about to recommence in the estate.
- Weekly surveys and inspections have been conducted around Sewage Pumping Stations.
- Mitigation works being carried out at one property
- No observed impacts in Stonequarry Estate from Longwall West 2
- No impacts observed to date for electrical, telecommunications, or sewer infrastructure.

9.6. Heritage Rail Update

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- LWW1 was completed 06 November - no major issues or interruptions to rail operations
- Maximum vertical subsidence along the rail corridor for LW W2 is 398mm.

9.7. Rail Possession Work (Far Field)

- Picton Tunnel
  - installation of inclinometer at top of Tunnel was completed in December 2020 a planned.
- Picton Viaduct
  - installation of laser distance meters and inclinometers were delayed due to council approval. Approval received and installation planned for April 21.
  - Far Field Structures Analysis reports completed
  - Risk view with stakeholders completed Feb 21
  - Track monitoring systems to be installed by May 21
  - Mitigation measures determined and installed as required.

9.8. Western Domain Approvals

- **LW W3-W4 Extraction Plan:**
  - Submission of LW W3-W4 Extraction Plan anticipated end March 2021.
  - Government Agency and community consultation has commenced (preliminary consultation complete).
- **Documents in Preparation**
  - Extraction Plan main document
  - Water Management Plan
  - Land Management Plan
  - Biodiversity Management Plan
  - Heritage Management Plan
  - Built Features Management Plan
  - Public Safety Management Plan
  - Subsidence Monitoring Program

10. Environment Update (presented by Natalie Brumby)

10.1. Environmental Incidents

- There was one (1) Environmental Incident reported since the previous meeting.

Month	Environmental Incidents
December 2020	0
January 2021	0
February 2021	1

NOTE — 04/03/21

10.2. Community Complaints

- There were 3 community complaints reported since the previous meeting.

Month	Community Complaints
December 2020	1
January 2021	1
February 2021	1

NOTE — 04/03/21

10.3. Depositional Dust

- Deposited dust levels continue to be well below EPA target levels of 4mg/m^2 per month.

NOTE — 04/03/21

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10.4. Water – *License Discharge Point 1* • There were nil exceedances since the last meeting. • Extra Analytes added in Dec 2020 with new EPL 1389 – Total Nitrogen, Aluminium(dissolved), Barium(dissolved), Copper(dissolved), and Enterococci.		NOTE		04/03/21
10.5. Waste Water Treatment Plant • RO Plant is designed to meet ANZECC Guidelines as per EPL conditions (EC, Ba, Ni, As, Zn, Cu, N, Al, pH, $CaCO_3$). • RO Plant contract to be awarded. • Pilot plant to be installed mid-2021. • EPL special condition for pilot plant installation by October 2021 and main plant prior to Tahmoor South secondary extraction (Estimated September 2022). • EPL new conditions o Toxicity monitoring o Aquatic health monitoring program o Investigation into sediment in Tea Tree Hollow		NOTE		04/03/21
11. Myrtle and Redbank Creek Remediation Plan Update (presented by Nick Le Baut and April Hudson)				
11.1. Myrtle Creek Remediation Works: • Schedule for 7 pools and associated rockbars approved by Resources Regulator. • Remediation Pool 23 completed • Remaining of remediation works to start April 2021 • Works to be completed by mid-2022 as per schedule • Stage 2 – Characterisation (fracture mapping): o Characterisation drilling and fracture mapping of pools 20, 18, 14, 12a, 11 and 10 completed • Stage 2 – Composite Grout Trials o Lab trials using sand and colloidal silica composite grout aiming at replacing PUR o Materials testing, flow properties and injection modelling completed o Trial unsuccessful due to: ▪ Operational issues: pumping sand and water mix due to ongoing blockages ▪ Issues with injection and control of colloidal silica – Creation of random pathways ▪ Lack of penetration in the sand mix to form a hybrid sand/colloidal silica grout • Stage 2 – Scope of works and tender: o Tender submitted for the remaining of the remediation work o Contract to be awarded in April 2021 **11.2. Redbank Creek Pool 23:** • Positive outcome – Surface water level has remained constant since completion of remediation in February 2020. • Ongoing surface water monitoring. • Spring aquatic ecology survey – Improved habitat from remediation works due to the return of water (similar to reference site not impacted by mining). **11.3. Redbank Creek Remediation Works:** • Remediation Works o Schedule for 15 pools and 6 rockbars approved by Resources Regulator.		NOTE		04/03/21

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	○ Remediation of 8 pools and 1 rockbar at weir completed. ○ Rock bar 19, Pool 18 and Pool 20 remediation works underway. ○ Planning and mapping for next section of creek to remediate ○ Schedule completion by December 2022. • Rockbar 19 – Curtain Wall ○ Shallow curtain wall completed (2m) ○ Stage 2 underway – 8 holes drilled and grouted (6m) ○ Expected Completion May 2021 • Pool 18 and 20: ○ Drilling and grouting 50% completed ○ Positive early outcome with increased water retention • Redbank Creek Remediated Sites: ○ Works completed for Pools RR7 to RR11 & 26, RR27, RR28 and RR29 ○ Combination of pattern grouting & grout curtain wall ○ Results show improvements with pools retaining water ○ Ongoing surface water monitoring • Redbank Creek Future Works: Mapping and Planning ○ Mapping of section from Pool 35 to RB6 in progress ○ Drilling and borehole characterisation to commence in March 2021 for 3 sites ○ Installation of 2 temporary boreholes for groundwater monitoring ○ Planning for remediation of rock bar 37 in June 2021 as per schedule			
11.4. Questions regarding creeks ○ DH asked which method for creek repairs will be use going forwards? NLB advised TC will continue with PUR grouting.		**NOTE**		04/03/21
12. Community Update (Presented by Amanda Francis)				
12.1. Community Investment – Australian Wildlife Sanctuary Wild Rover • Tahmoor Coal has sponsored and provided a grant of $55,000 over 5 years for the Wild Rover project for the Australian Wildlife Sanctuary. • The Wild Rover is a mobile education van used to attend schools, events and at times transport animal species. • It also assists with wildlife rescue, partnering with local veterinarians and wildlife rehabilitation groups. • Australian Wildlife Sanctuary reopens on Saturday 6 March 2021. **12.2. Community Sponsorships:** • His House Church Christmas Hampers – TC provided a donation for Christmas hampers for those in need at Christmas. • Wollondilly Excellence in Business Awards – TC sponsored the Awards taking place in March 2021 • Born to Ride Freestyle – Tahmoor DNA Dirt Park / Pumptrack upgrade - TC sponsored and provided a grant for the upgrade of the BMX pumptrack at Tahmoor, being organised by Born to Ride Freestyle. • SOTC INC – Chapel Run Show & Shine at Bargo Hotel -Tahmoor Coal sponsored the Chapel Run Shine & Show taking place in March 2021. The proceeds from the car & bike show will be donated to the Special Needs Unit at Tahmoor Primary School.		NOTE		04/03/21
12.3. Community – Western Domain Newsletter 1		NOTE		04/03/21

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	• Distributed to landowners in the LWW1 and LWW2 area.			
13. Subsidence Advisory NSW Update				
13.1. Residential Claim Status		NOTE		04/03/21

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 • Review by DCS Secretary • Review by L&EC	 0 0 0	 1 2 0	 2 3 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	19
Claims accepted and finalised	10

14. TCCCC Finance				
14.1.	The TCCCC bank balance is currently $29,982.37, statement end 29 January 2021.	NOTE		04/03/21
15. General Business				
15.1.	**MM** raised the Annual Report – this was adopted and MM to send on to DPIE	**MM**	**04/03/21**	
15.2.	**CM** advised after listening to all residents speak at the IPC, he believes that Subsidence Advisory NSW claims process is failing the residents. CM advised he has lived in the area for 50 years and been very much a part of this community for majority of the time and serving on the council and has been aware of these issues for some time. CM advised his property is currently in the mining area of the Western Domain and recently lodged a claim for his water tank that is older in age. SA NSW responded quickly and assessed the tank and deemed it not related to mine subsidence. CM advised this was fine as the assessor	NOTE		04/03/21

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	explained why and CM was happy with the process. CM advised people may not understand that there are other natural reasons for house and ground movements that also need to be considered. **15.3.** **PV** advised unfortunately the message is clouded by the claims under the old legislation that changed in 2017. **15.4.** **MM** requested a member from Subsidence Advisory NSW to attend the next meeting and explain to all members the claims process and the current Mine Subsidence Compensation Act 2017. **15.5.** **MM** closed the meeting.			

Meeting Closed	*6:40 pm*	Next Meeting	*Thursday 3 June 2021*	Time	*5:00pm*	Location	*Tahmoor Coal/Teams Online - TBC*