



## Tahmoor Colliery Community Consultative Committee

Thursday 06 June 2013

### Venue

Conference Room 1, Tahmoor Colliery

### Next Meeting

5:00pm

Thursday 5 Sept 2013

Tahmoor Colliery Conference Room

### Meeting Open

5.15pm

### Meeting Close

8.15pm

### Attendance

Present ✓ Apology A or did not attend X

### Committee

✓	Michael Muston	Independent Chairperson
A	Col Mitchel	Wollondilly Shire Council Representative
A	Lou Amato	Wollondilly Shire Council Representative
✓	David Auchterlonie	Community Representative
✓	Julie Sheppard	Community Representative
✓	Sandra Potter	Community Representative
A	Robert Khan	Community Representative
A	Diana Lange	Community Representative
✓	Ian Sheppard	Tahmoor Colliery Representative
✓	Belinda Clayton	Tahmoor Colliery Representative
A	Sam Beresford	Tahmoor Colliery Representative

### Invitees

✓	Peter Vale	Tahmoor Colliery Operations Manager
✓	Nick Wandke	Tahmoor Colliery Environment Coordinator
✓	Fiona Robinson	Tahmoor Colliery Environment and Community Officer
✓	Jarith Young	Tahmoor Colliery Environment and Community Graduate
A	Ron Bush	Tahmoor South Project Approvals Manager
✓	Darren Bullock	Mine Subsidence Board, District Manager
X	Greg Kininmonth	Division of Resources and Energy Team Leader – Environment
X	Craig Strudwick	Xstrata Coal NSW Community Relations Coordinator

### Visitors

✓	Virginia Fairley	Local resident
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### Copy to

Les McMahon	General Manager Wollondilly Shire Council
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Item	Issue	Action	Date
<b>1. Welcome/Introductions</b>			
1.1	Michael Muston is the independent chairperson. He would like to acknowledge the Traditional Owners of the land on which we are meeting and pay respects to their Elders, past and present.		
<b>2. Declarations of Interest</b>			
2.1	Michael Muston is paid by Tahmoor Colliery.  Sandra Potter and Virginia Fairley are members of the <i>Shafted</i> action group.		
<b>3. Apologies</b>			
3.1	<u>Apologies</u> Sam Beresford, Ron Bush, Robert Khan, Col Mitchel, Lou Amato and Diana Lange.		
<b>4. Confirmation of Minutes of Previous Meeting</b>			
4.1	<b>Thirlmere Lakes Enquiry</b> Julie advised that report should be going to cabinet this month and be released to public.  *meeting was arranged at short notice due to availability of Dr Riley (he is overseas for 3 months as of 22.06.13).	Ian to arrange presentation by Dr Steven Riley once released.	Complete 20.06.13
<b>5. Correspondence</b>			
<b>IN</b>	1. Bank Statement		
<b>OUT</b>	1. 03 Tahmoor South Newsletter 2. Letter to David Hunt from TCCCC thanking him for his commitment and contribution to the Committee.		
<b>6. Committee Members Reports</b>			
6.1	<b>David Auchterlonie</b> Nothing to report.		

Item	Issue	Action	Date
6.2	<p><b>Diana Lange</b> <i>Currently overseas, Ian Sheppard to read email.</i></p> <p>The Xstrata display board at Tahmoor Town Centre is still in the public area though I see less people viewing it these days. I suppose that is a good thing as it indicates that there are less concerns over the subsidence in the area and this really does go hand in hand with the fact that the longwall is further away from the suburban area of the town. May I ask how often the board is updated?</p> <p>On a more general basis, the only concern that has been raised with me is regarding a property in Tahmoor. I am hoping that both Xstrata and the MSB can please provide an update on the situation at this property. My understanding is that the owner has some issues with what he believes is to be subsidence yet has been told it is not related. I am flagging this as I am aware that there is an adjoining property that was demolished and rebuilt by the MSB. To me it doesn't make sense that this particular property has been reportedly dismissed so easily. This was raised with me a while ago so things may have changed but an update would be appreciated.</p> <p><b>Response:</b> Darren Bullock (District Manager) highlighted that there are properties impacted by mining with adjoining property receiving minimal to no impact, this is not unusual. The claim on the above mentioned property was assessed and the reported impacts were considered not due to subsidence. All damage reported in the Claim that was lodged was present in the <i>Pre-mining Inspection Report</i>, therefore the claimed damage was not due to mining. The Mine Subsidence Board has a Claims Review Process for residents and this is the appropriate avenue if they do not agree with the initial claim response. Further details are available from the Board's Picton Office and <a href="http://www.minesub.nsw.gov.au">www.minesub.nsw.gov.au</a></p>	<p>Display board is updated monthly.</p> <p>Mine Subsidence Board <i>right for review</i> details available at <a href="http://www.minesub.nsw.gov.au">www.minesub.nsw.gov.au</a></p>	<p>Complete</p> <p>Complete</p>
6.3	<p><b>Sandra Potter</b> Concerned that Innes Street Thirlmere exploration borehole site was not included in recent Annual Environmental Management Report (AEMR).</p> <p><b>Response:</b> Nick clarified AEMR covered reporting period 01.05.12 to 31.12.12 and Innes Street Thirlmere exploration borehole site was drilled during previous reporting period. Innes Street borehole site was included in previous AEMR. To download document go to <a href="http://www.xstratacoaltahmoor.com.au">www.xstratacoaltahmoor.com.au</a></p>	<p>Response clarified.</p>	<p>Complete</p>

Item	Issue	Action	Date
6.4	<p>Julie Sheppard</p> <ol style="list-style-type: none"> <li>1. Contacted by a resident that heard explosive sounds beneath property. Resident was directed to Wollondilly Shire Council and was then directed to Tahmoor Colliery.</li> </ol> <p><b>Response 1:</b> Brad Staggs (Manager Environmental Services, Wollondilly Shire Council) also contacted Belinda Clayton regarding undergrounds explosives. Belinda confirmed that the Colliery was not shot firing (underground explosives) during the periods that the noise was heard or in the area that the resident was located.</p> <ol style="list-style-type: none"> <li>2. Contacted by a resident in the Pheasants Nest area (Lawson's Road) regarding the Niche Flora and Fauna study on 3 May for 3 weeks. They did not receive a newsletter and they are concerned.</li> <li>3. Contacted by resident in Hassle Road Buxton. They were not consulted regarding drill site near property.</li> <li>4. Contacted by a resident in Lyrebird Lane Pheasants Nest. The did not receive a Tahmoor South Newsletter and would like to be future mailing lists.</li> </ol> <p><b>Response 2-5:</b> All Tahmoor South representatives at Tahmoor South Project Community Information in Bargo. Tahmoor South Community Coordinator will respond at next meeting.</p>	<p>Response clarified.</p> <p>Tahmoor South Community Coordinator to respond.</p>	<p>Complete</p> <p>Next meeting</p>
<b>7. Update on Current &amp; Future Mining Operations</b>			
7.1	<p><b>Underground Visit</b></p> <ul style="list-style-type: none"> <li>• 1.00pm: Administration building dressed for underground tour including lamps/rescuer</li> <li>• 1.30pm: Induction in Safety and Training room</li> <li>• 3.00pm: Crew shift brief in muster area</li> <li>• 3.15pm: Dolly car underground</li> </ul> <p><b>*return to surface time dependant on duration of underground tour</b></p>	<p>Fiona to email dates to Committee and arrange underground and surface tour.</p>	<p>To be complete by next meeting.</p>

Item	Issue	Action	Date
7.2	<p><b>Environment Update</b> <b>Nick Wandke</b></p> <p><b>Performance</b> <b>Environmental Incidents</b></p> <p><b>Received since the last meeting:</b> One Category 2 Incident occurred during the past quarter:</p> <ol style="list-style-type: none"> <li>The incident was related to an exploration bore which was drilled on private property in error (the Drilling Approval incorrectly labelled the Lot as Crown Land, when in fact it was the edge of a privately owned lot). The land owner was immediately contacted and a Land Access Licence Agreement setup for the site. The error was reported to the Division of Resources &amp; Energy (DRE), and additional administrative controls have been setup to prevent re-occurrence. All clearing and site preparation was completed in accordance with the Approval (which included an assessment of the surrounding area). No further action has been taken by DRE or the resident.</li> </ol> <p><b>Category 1 Incident =</b> <i>Negligible reversible environmental impact requiring very minor remediation.</i></p> <p><b>Category 2 Incident =</b> <i>Minor reversible environmental impact requiring minor remediation (including report to regulator).</i></p> <p><b>Community Complaints</b></p> <p><b>Received since the last meeting:</b></p> <ol style="list-style-type: none"> <li>11 March 2013 – Noise complaint from local resident living adjacent to the Redbank Tunnel Construction Site, due to AbiGroup the site contractor delivering equipment during the night. Firm letter sent to contractor and resident advised;</li> <li>14 March 2013 – Complaint received from local resident via TCCCC Meeting regarding late notification of weekend rail works; The notifications were sent as soon as possible after the Australian Rail Track Corporation (ARTC) notified Tahmoor of the need for the works to be undertaken.</li> </ol>	<p>No action required.</p> <p>No further action required.</p> <p>No further action required.</p>	

Item	Issue	Action	Date
	<p>3. 19 April 2013 - Noise Complaint (Olive Lane) for overnight mine site noise however investigation demonstrated levels were in compliance with site noise approval criteria;</p> <p>4. 29 April 2013 - Noise Complaint (Olive Lane) for overnight mine site noise however investigation demonstrated levels were in compliance with site noise approval criteria; and</p> <p>5. 22 May 2013 - Odour Complaint (Hodgson Grove) regarding smell from No.2 Ventilation Shaft. Ongoing consultation with residents regarding odour modelling studies and potentially further building modifications to the No.2 Fan House.</p>	<p>No further action required.</p> <p>No further action required.</p> <p>No further action required.</p>	
	<p><b>Water Management Projects Update</b> <b><i>Recycled Water Treatment Plant</i></b></p> <ul style="list-style-type: none"> <li>• Tahmoor Colliery has been one of Sydney Water's top 10 water users;</li> <li>• In 2007, Tahmoor was listed as 8th on this list and featured on the front page of the Sydney Morning Herald;</li> <li>• From this time Tahmoor Colliery set out to reduce its potable (drinking) water use by implementing a recycling program;</li> <li>• Initially a reverse osmosis recycling plant was proposed utilising general mine waste water, but this was found to be high in energy use, and required the transport of brine (up to 15% of the input) waste water to the ocean for discharge;</li> <li>• An alternative higher quality water source within the mine was identified, requiring only calcium (hardness) reduction, filtration and chlorination. The process was simple, low energy and more sustainable. Waste was minimal;</li> <li>• Tahmoor's first recycled water was successfully sent underground on Tuesday 14th May 2013;</li> <li>• The treatment plant has continued to operate full-time since, off-setting the mine water usage with up to 1 megalitre of potable water savings each day;</li> <li>• Tahmoor submitted the final milestone claim for the site's Climate Change Funding Agreement with the Office of Environment &amp; Heritage for construction of a Recycled Water Treatment Plant. The claim for project completion (\$620,000) was submitted on Friday 31st May 2013.</li> </ul>	<p>No action required.</p>	



Item	Issue	Action	Date
	<p><b>Greenhouse Gases</b>  <b>Methane Emissions</b>  <b>Captured and Fugitive</b></p> <p><b><i>What is the volume of methane, both captured and fugitive, that the mine produces per second?</i></b></p> <p>Gas is contained within the underground coal seams as part of the coal formation process. In Tahmoor’s case, the gases comprise primarily Carbon Dioxide (CO<sub>2</sub>) and secondary Methane (CH<sub>4</sub>) gases.</p> <p>These gases are removed from the coal seam to maintain safe working conditions for underground coal miners through two processes:</p> <ul style="list-style-type: none"> <li>• <b>Mine Gas Drainage</b> where holes are drilled into the coal seams from the underground roadway, gas is drained from the coal and piped to the surface, (captured) and</li> <li>• <b>Ventilation</b>; where gases, released during the actual mining of the coal and transport processes, are removed from the working areas by the ventilation air carried throughout the mine, and exhausted through the mine fans on the surface (fugitive).</li> </ul> <p><u>Mine Gas Drainage</u> (methane content approximately 25-30%)</p> <ul style="list-style-type: none"> <li>• Methane captured this way is then processed in one of 3 ways <ul style="list-style-type: none"> <li>✚ Surface Power Plant, used to generate up to 7 megawatts of electric power for the mine;</li> <li>✚ Flares, where the methane is converted to carbon dioxide by combustion if the methane content is too low for use in the power plant; or</li> <li>✚ Discharge to Atmosphere, where the methane content is too low to be used by the Flares</li> </ul> </li> </ul> <p><u>Ventilation</u> (methane content approximately 0.5%)</p> <ul style="list-style-type: none"> <li>• The low contained levels of methane are released directly to atmosphere. The gas cannot be utilised economically as the methane content is too low.</li> </ul>	<p>No further action required.</p>	



Item	Issue	Action	Date
	<p><u>May 2013</u></p> <ul style="list-style-type: none"> <li>Total of 5968.32 tonnes of methane produced from the mine and <i>that relates to 2.22kg/second</i>;</li> <li>1948.39 tonnes of the captured gas was utilised by the flares and power plant and <i>that relates to 0.72kg/second</i>.</li> </ul>		
7.2	<p><b>Community Update</b> <b>Belinda Clayton</b></p> <p><b>Subsidence Township</b></p> <ul style="list-style-type: none"> <li>Longwall 27 has extracted 1,227m;</li> <li>491 houses in LW27 active subsidence zone so far;</li> <li>Longwall face currently beneath Hilton Park Road Tahmoor heading towards Thirlmere;</li> <li>Maximum subsidence for LW27 is 954mm on Remembrance Drive; and</li> <li>Surface infrastructure is surveyed periodically (weekly/monthly) in the active subsidence zone.</li> </ul> <p><b>Main Southern Railway</b></p> <ul style="list-style-type: none"> <li>At the end of May the face was currently 350m past the railway;</li> <li>To date there has been 477mm subsidence due to longwall 27; and</li> <li>No major issues impacting safety or structures within the rail corridor.</li> </ul> <p><b>Myrtle Creek</b></p> <ul style="list-style-type: none"> <li>Weekly active subsidence zone visual inspections will continue for 4 weeks when subsidence movements are expected to be complete;</li> <li>On 22 May 2013 Craig Campbell of the Division of Resources and Energy Environment Unit (Wollongong) inspected Myrtle Creek with Ian Sheppard and Belinda Clayton; and</li> <li>All movements and minor impacts were within prediction and consent requirements.</li> </ul> <p><b>Mine Subsidence Board</b></p> <p>Darren Bullock (District Manager) updated current Mine Subsidence Board statistics since March meeting. Figures below refer to longwalls 22 (2004) to 27 (current):</p> <ul style="list-style-type: none"> <li>Total received 672</li> <li>Completed 284</li> <li>Refused 169</li> <li>Claims commenced 30</li> <li>Claims Pending 219</li> </ul>	<p>No action required.</p> <p>No action required.</p> <p>Ongoing report at each meeting.</p> <p>No action required.</p>	

Item	Issue	Action	Date
7.3	<p><b>Community Update</b>  <b>Belinda Clayton</b></p> <p><b>Corporate Social Involvement (CSI)</b>  <b>Apprentice Engagement Program</b>  <b>Kids Foundation CSI Partners</b></p> <ul style="list-style-type: none"> <li>• Safety workshops;</li> <li>• Tahmoor Colliery apprentices workshopping with school students;</li> <li>• Teaching them how to identify hazards in school environment;</li> <li>• Apprentices teaching bike safety;</li> <li>• Students forward hazards identified by students in school club; and</li> <li>• Apprentices return to schools later in 2013 to implement assess environment and reduce risks.</li> </ul> <p><b>Myrtle Creek Restoration Project 2013 – Stage 2</b></p> <ul style="list-style-type: none"> <li>• The creek-line is heavily infested with woody weeds <i>Ligustrum lucidum</i> (Large-leaved Privet), <i>Ligustrum sinense</i> (Small-leaved Privet) and <i>Olea europaea</i> (African Olive);</li> <li>• These create a dense cover under which native species cannot effectively germinate creating not only erosion issues for the creek banks but also reducing the diversity of native vegetation; (and fauna)</li> <li>• Exotic vines are ascending this weedy canopy, increasing shade and vegetation density above the normally sparse cover associated with Cumberland Plain ecology.</li> </ul>	<p>No action required.</p> <p>Ongoing updates at each meeting.</p>	
7.4	<p><b>Major Project</b>  <b>Redbank Tunnel Subsidence Management Project</b></p> <p>Recent rains have triggered vegetation growth in areas that have been rehabilitated and seeded in the past few months with rehabilitation of site in final stages.</p> <p>In September new noise wall will be painted during Main Southern Rail 48 hour rail outage. Wall will be painted an appropriate shade of green to blend with surrounding environment.</p> <p>Noise study is currently underway at various locations to ensure that noise levels are consistent with approval.</p>	<p>No action required.</p>	

Item	Issue	Action	Date
7.5	<p><b>Tahmoor South Project Update</b></p> <p>All Tahmoor South representatives are at a <i>Tahmoor South Community Information Session</i> in Bargo.</p> <p>Distribution of Tahmoor South Newsletter No. 3. Available to download from <a href="http://www.xstratacoal.tahmoor.com.au">www.xstratacoal.tahmoor.com.au</a></p>	No action required.	
7.6	<p><b>Finance</b></p> <p>Bank Account Balance \$15,920.53</p>	2013 to 2014 financial year deposit into account due.	Tahmoor Colliery to complete prior to next meeting.
7.7	<p><b>Merger Update</b> <b>Peter Vale</b> <b>Glencore and Xstrata</b></p> <p>The Chinese competition authority (MOFCOM) approved the merger between Glencore and Xstrata on 16 April, subject to conditions:</p> <ul style="list-style-type: none"> <li>• The sale of the combined group interests in Las Bambas Copper in Peru;</li> <li>• Guarantees to supply Chinese customers with copper, zinc and lead concentrates for 8 years;</li> <li>• British High Court sanctioned the acquisition of Xstrata by Glencore on 29 April;</li> <li>• Merger completed on 2 May 2013;</li> <li>• We will be working for Glencore – re-branding details are yet to be formulated;</li> <li>• Xstrata corporate headquarters in Zug and London to be closed;</li> <li>• Single head office in Baar, Switzerland with shared regional centres including Sydney, Johannesburg, Toronto, Stamford and Singapore;</li> <li>• Xstrata Coal has combined Xstrata Coal NSW and Xstrata Coal Qld to form Xstrata Coal Australia; and</li> <li>• New organisation structures for XCA have been formulated.</li> </ul>	No action required.	

Item	Issue	Action	Date
<b>8. General Business</b>			
8.1	<p><b>Committee Folders</b> All persons that attend TCCCC meetings now each have a folder with the following information updated regularly:</p> <ul style="list-style-type: none"> <li>• Minutes from previous meeting;</li> <li>• Agenda;</li> <li>• TCCCC correspondence;</li> <li>• Contact details form TCCCC attendees;</li> <li>• Department of Planning CCC guidelines;</li> <li>• TCCCC Terms of Reference; and</li> <li>• Any additional material requested.</li> </ul> <p>Although the folders are stored at the Colliery, you may take them home if preferred and relevant documents will be updated in folder prior to each meeting.</p> <p><i>You do not have to print the Minutes or the Agenda prior to a meeting, they will be provided in folder.</i></p>	No action required.	
<b>9. New Business (Actions)</b>			
9.1	<p><b>Website</b> A web page featuring broad details of the TCCCC and contact details are to be added to the Tahmoor Colliery website. A draft showing committee information and contact details is to be circulated to members for approval prior to going on Tahmoor Colliery website.</p>	Fiona to organise details and circulate to Committee for approval.	Complete
9.2	<p><b>David Hunt</b> As a member on the TCCCC for 10 years his contribution is appreciated and recognised. A motion was moved by Julie Sheppard, seconded by Col Mitchell and confirmed unanimously by the meeting, to have a thank you letter written to him on behalf of the Committee.</p>	Fiona to draft letter and send to Michael Muston for approval, signature and distribution. Letter emailed to TCCCC members.	Complete
9.3	<p><b>Tahmoor South Newsletter</b> Julie highlighted that the Lease boundaries on the plan in the Tahmoor South Newsletter are confusing for the community. The community is under the impression that all exploration for the Tahmoor South Project will be in the southern region of the Lease boundary.</p>	Tahmoor South Project representative to respond.	Next meeting.

Item	Issue	Action	Date
<b>Next Meeting</b> 5 September 2013 from 5pm to 7pm.  <b>Venue</b> Tahmoor Colliery Conference Room.			

Recorded by Belinda Clayton on 6 June 2013

Confirmed:

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**Michael Muston**

***Chairperson***

Tahmoor Colliery Community Consultative Committee