

## Invincible Colliery and Cullen Valley Mine - CCC Meeting Minutes

<b>Meeting Title</b>	Community Consultation Committee Meeting					
<b>Project</b>	Invincible Colliery and Cullen Valley Mine					
<b>Date</b>	29 August 2018, 11 am – 12:00 pm					
<b>Location</b>	Invincible Colliery – Castlereagh Highway, Cullen Bullen					
<b>Attendees</b>	<b>Name</b>	<b>Initial</b>	<b>Present</b>	<b>Name</b>	<b>Initial</b>	<b>Present</b>
<b>Chairperson</b>	Greg Barton (facilitator)	GBa	Y	Ray Blackley (CCC Member)	RB	Y
	Brett Moore (Castlereagh Coal)	BM	Y	Fern-Alice Finn (CCC Member – Lithgow Council)	JR	Y
	Graham Goodwin (Castlereagh Coal)	GG	Y	Barry Fitzgerald (CCC Member)	BF	Y
	Luke Bettridge (Umwelt)	LB	Y	Michael Bulkeley (CCC Member)	MB	Y
	Stephen Leslie (Lithgow Council)	SL	Y			
	Barbara Milne (CCC Member)	BM	Y			
<b>Apologies</b>	Cullen Bullen Public School Representative	N/A	N			
	Reg Larkin (CCC Member)	RL	N			

<b>Item / Initial</b>	<b>Description</b>
<b>1. Open (11.00am)</b>	
GBa	Apologies
GBa	Declarations of pecuniary or other interests - None
GBa	Previous minutes acknowledged and seconded by LB
GBa	No correspondence received / sent

Item / Initial	Description
<b>2. Briefing on Southern Extension Project</b>	
LB	<p>Provided an overview on the status of the Invincible Colliery Southern Extension Project noting that the project has been approved by the Department of Planning and Environment (DPE) on 5 February 2018. Since the receipt of the Project Approval, Castlereagh Coal has undertaken a range of works to develop mine plans and prepare Invincible Colliery for recommencement of mining operations. A range of management plans are required to be submitted to stakeholders and DPE prior to the commencement of mining operations and these plans are being prepared by Castlereagh Coal for submission to stakeholders as required by the Project Approval.</p> <p>The reduced mining area was discussed and noted. Castlereagh Coal are working towards recommencement of mining operations and will provide further information to the CCC in the future regarding proposed dates for the recommencement of mining operations.</p>
BF	Sought clarification as to why the Southern Extension Project as approved included a “mining restriction area”?
LB / BM	<p>Noted that the “mining restriction area” was excluded from the mine plan within the Project Approval during the planning and assessment committee (PAC) phase due to comments from the DPE that the steep slope areas within the “mining restriction area” may present challenges to the rehabilitation of this area.</p> <p>The inclusion of the “mining restriction area” within the Project Area and the implications of the exclusion of the mining area in the context of the material balance for the site was discussed. Since the receipt of the Project Approval, Castlereagh Coal has developed revised mine plans and undertaken material balance work for Invincible Colliery to consider the “mining restriction area”. The strategy for the management of material to meet the Project Approval criteria of “no final voids on site” was discussed with the CCC. This strategy has been documented and submitted to DPE for consideration in accordance with the Project Approval.</p> <p>In order to supplement the final landform, it was noted that subject to the receipt of appropriate regulatory approvals that Invincible Colliery would seek to receive Virgin Excavated Natural Material (VENM) / Excavated Natural Material (ENM) at the operation in the future.</p>
<b>3. Environmental Performance –Invincible Colliery and Cullen Valley Mine</b>	
LB	<p>Provided an overview of the environmental performance of Cullen Valley Mine (CVM) and Invincible Colliery (Invincible) during 2018.</p> <p><b>Invincible</b> - site activities focussed on continuation of site water management and maintenance activities such as weed spraying. Ongoing environmental monitoring included ecological monitoring and monitoring of dust and water quality. There were two occasions during the 2018 period where the High Volume Air Sampler had not recorded samples due to power outages – depositional dust monitored had continued during these periods. There have been no community complaints received during 2018 for Invincible Colliery.</p>

Item / Initial	Description
LB	<p><b>CVM</b> – On ground works included weed management and subsurface heating management.</p> <p>Showed photos of heating repair works undertaken and noted that during January – August 2018 there had been two complaints regarding heating areas at CVM. During March 2018, Castlereagh Coal received a very small amount of VENM/ENM to assist with rehabilitation works on site. The VENM/ENM was received at CVM in accordance with an approved Mining Operations Plan (MOP) however receipt of VENM/ENM has been ceased at the request of DPE. Castlereagh Coal are consulting with DPE to confirm environmental assessment/approval requirements to enable the receipt of material at CVM.</p>
LB	<p>Status of subsurface heating at CVM was discussed with LB presenting a plan showing Heating locations F and R onsite, noting that a pocket of heating and vegetation dieback had been observed to the south of Area F. It was noted that treatment methods used in 2018 were as per the CVM MOP.</p> <p>An update to the CVM MOP is to be undertaken prior to end of 2018. Annual ecological monitoring is undertaken to determine the presence / extent of heating and extent of impacts to rehabilitation. The physical extent of areas impacted by subsurface heating is mapped annually during the development of the CVM Annual Review.</p>
BF	Asked about the utilisation of concrete as part of the remediation works.
GG	<p>Discussed treatment methods that are being used to manage subsurface heating on site. The program of weekly monitoring was also discussed and it was noted that Castlereagh Coal will treat areas where smoke is observed as a priority. The drainage of water from heating areas was noted as being important to minimise the potential for smoke generation.</p> <p>The anecdotal progression of heating within Area R was discussed and it was noted that progression of subsurface heating as identified by vegetation die back was to be reported annually in the Annual Review.</p>
<b>4. Rehabilitation Status – CVM and Invincible Colliery</b>	
LB	<p>Provided an overview of the status of the existing rehabilitation at CVM and Invincible. The process of annual ecological monitoring against agreed government rehabilitation targets was discussed and a plan showing the age of rehabilitation at Invincible was shown to all.</p>
<b>5. General Business</b>	
GB / LB	Discussed timing for the next CCC meeting and it was agreed that 5 December 2018 (11 AM) was an appropriate time for the next CCC meeting. LB to contact CCC two weeks prior to proposed meeting date.
GBa	Meeting closed at 12pm



Signed: Greg Barton (Chairperson)

Date: 5 September 2018