



## 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>	13 December 2017, 11am					
<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	Reg Larkin (CCC Member)	RL	Y
	Luke Bettridge (Umwelt)	LB	Y	Ray Blackley (CCC Member)	RB	Y
	Graham Goodwin (Castlereagh Coal)	GG	Y	Jessica Ramsden (CCC Member – Lithgow Council)	JR	Y
	Brett Moore (Castlereagh Coal)	BM	Y	Barry Fitzgerald	BF	Y
<b>Apologies</b>						
	Sarah Thorncraft (Cullen Bullen Public School)	ST	N			
	Barbara Milne (CCC Member)	BM	Y			
	Michael Bulkeley (CCC Member)	MB	N			
	Stephen Leslie (Lithgow Council-Mayor)	SL	N			

<b>Item / Initial</b>	<b>Description</b>
<b>1. Open (11.00am)</b>	
LB	Apologies
LB	Declarations of pecuniary or other interests - None
LB	Previous minutes acknowledged and seconded by GBa
GBa	No correspondence received / sent
LB	Introduced LB from Umwelt (as environmental consultant) and noted that Castlereagh Coal had commenced as mine operator on 1 October 2017.

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 a Planning and Assessment Commission (PAC) meeting had been held and that the PAC had requested additional information regarding mine planning. Castlereagh Coal to provide additional information to PAC prior a decision being made on the project. Castlereagh Coal to advise CCC members when additional information provided to the PAC is publically available.</p>
<b>3. Environmental Performance – Cullen Valley Mine and Invincible Colliery</b>	
LB	<p>Provided an overview of the environmental performance of Cullen Valley Mine (CVM) and Invincible Colliery (Invincible) during 2017.</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 in accordance with licence requirements. LB to provide a summary of annual monitoring results at next CCC meeting.</p> <p><b>CVM</b> – On ground works included weed management and repairs of erosion control structures which included repairs to drop structures and drains during May 2017. LB showed photos of repair works undertaken and noted that during 2017 there had been two complaints regarding heating areas at CVM. LB discussed that CVM had also updated the site Water Management Plan and Flora and Fauna Management Plan and that these had been submitted to the Department of Planning and Environment (DPE) for approval. DPE have not yet assessed the submitted management plans.</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 recent pocket of heating and vegetation dieback had been observed to the south of Area F. It was noted that treatment methods used in 2017 were as per the CVM Mining Operations Plan (MOP) and that the Division of Resources and Geosciences had approved an extension of the existing MOP until 30 December 2018. The extension of the MOP approves the use of the existing treatment methods.</p>
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. During winter was noted as a time when smoke was more visible. The drainage of water from heating areas was noted as being important to minimise the potential for smoke generation.</p>
BF	<p>Noted that there had been additional areas observed on site where vegetation appeared to be affected by subsurface heating.</p>
LB	<p>Discussed that areas of subsurface heating were being mapped as part of ecological monitoring that had been undertaken early December 2017 and that the physical extent of areas impacted by subsurface heating were to be shown in the CVM Annual Review to be completed in February / March 2018.</p>
RL	<p>Asked about the extent and progression of heating at CVM.</p>

Item / Initial	Description
GG	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.
<b>4. Rehabilitation Status – CVM and Invincible Colliery</b>	
LB	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.
RB	Noted that most recent rehabilitation that was undertaken at Invincible occurred in 2012.
BF	Noted that rehabilitation at locations within Invincible and CVM required works to address the quality of the rehabilitation.
BM	Discussed the 2012 rehabilitation undertaken at Invincible and noted that during 2012, previous owners were seeking to obtain further approvals for mining. The rehabilitation proposed to be undertaken as part of the Invincible Southern Extension project was discussed.
LB	Discussed proposed works for 2018 at CVM and Invincible including continuation of environmental monitoring and reporting requirements, subsurface heating monitoring and treatment at CVM, with Castlereagh Coal awaiting a decision regarding the Invincible Southern Extension Project.
BF	Provided a question regarding the projected employment numbers for the Invincible Southern Extension Project and the life of the project if a reduced mine plan was approved by the PAC.
BM	Provided an overview of the Invincible Southern Extension Project and noted that coal sourced from the Invincible Southern Extension Project was to be utilised by Manildra and would also be sold to Energy Australia. BM noted that Castlereagh Coal are currently preparing further information regarding mine planning for submission to the PAC and that this information would be available on the PAC website with Castlereagh Coal to advise the CCC members when the information was available on the PAC website.
GB	Discussed timing for the next CCC meeting and it was agreed that June 2018 was an appropriate time for the next CCC meeting.
JR	Noted that JR would not be available for next meeting and that a replacement Lithgow City Council Representative would be provided for the next meeting. Also requested that LB contact Lithgow City Council (LCC) to confirm the appropriate LCC councillor to attend future CCC meetings.
<b>5. General Business</b>	
LB	Following general discussion it was requested that LB follow up with CCC members 2 days before future CCC meeting to remind members regarding meeting date.
GBa	Meeting closed at 12pm