

BULGA COAL

GLENCORE

Community Consultative Committee Meeting

18 May 2016

Bulga Coal Administration Meeting Room

Present	Community representatives	Stewart Mitchell (SM)
		John Krey (JK)
		Helen Sharrock (HS)
Chairperson	Singleton Council	Godfrey Adamthwaite (GA)
	Bulga Coal	Ralph Northey (RN)
		Teegan Hayward (TH)
	Bulga Underground	Peter Ostermann (PO)
		Ned Stephenson (NS)
	Bulga Open Cut	Geoff Kelly (GK)
		Tom Scott (TS)
		Keith Simkin (KS)
Apologies	Community representative	Terry Everett
	Department of Planning (DPE)	Chris Knight
	Department of Trade & Investment, Resources & Energy (DRE)	Monique Meyer

Meeting opened: 9.15am

Meeting closed: 11.15am

Declaration of pecuniary interest: None.

Confirmation of the minutes

The minutes from the previous meeting were moved by GA and seconded by JK as true and correct.

Actions from the minutes 28/10/15

Item 1 *Send an update to the CCC on the permanent repairs to Charlton Road*

SM had asked Bulga Coal prior to the meeting to draft a letter from the CCC to express their frustration with delay in repairs to Charlton Road. The letter was signed by the members of the CCC at the meeting. **ACTION: NS to send the letter to the MSB and channel any responses back to the CCC.**

Item 2 *Confirm whether Bulga Coal uses fuel from Inland Oil Refinery (IOR)*

RN: Bulga Coal does use IOR to supply fuel to the trains at the fuelling facility onsite.

Item 3 *Produce detailed figures on the final landform for the committee*

RN showed the committee the final landform contour figure that was presented at the Visual Impact Committee meeting in January. JK noted that these contours did not look as flat as the figure he had seen previously. RN also showed the committee the visual montage figures from the Environmental Impact Statement (EIS) that show the noise and visual bund from various locations in the community.

HS Asked if there had been any progress on the Old Tailings Dam. RN: No, the January rain has caused some issues. GK: We are updating the geotechnical work on the dam and hope to start next month with smaller equipment.

SM Asked about the rubble drain that we are currently building on the noise and visual bund and whether it's designed to take the water from the top. TS: The drop structure is designed to control water run-off from the top of the bund and the contour banks which prevents erosion and ensures a much more stable landform.

RN Reiterated community concerns regarding final landform and final void and that there are long term opportunities with regards to final land use and mine closure. We need to clarify what we can do and communicate it. GK: We are currently in the Life of Mine process and as part of that we are looking at the design of the noise and visual bund.

Item 4 *Confirm whether the new industrial noise policy refers only to new or existing mines.*

ACTION: RN to follow up with the response provided by Scott Brooks on the 24th November last year and inform the committee as to whether it affects our criteria.

GA There is a local government election on the 10th September and that council will go into caretaker mode one month before that.

1. Bulga Underground

NS Explained changes to the Annual Review (formally AEMR). The Annual Review was prepared according to the guidelines released by the Department of Planning in November last year. NS noted the addition of a compliance table and an Incidents section.

NS Gave an overview of mining activities in 2015. Undermined longwall 5 (on mine owned land) which progressed slowly due to geotechnical issues; six goaf wells were constructed for longwall 7, two of which were in the Singleton Military Training

Area; continued the pre-drainage vertical well program for the Blakefield North mine near Cobcroft Road and continued exploration drilling for the Blakefield North mine.

- NS Gas an overview of rehabilitation which included gas wells, tracks and pipelines for Blakefield North and legacy works.
- NS Outlined the plan for 2016: complete mining longwall 7 and mine half of longwall 8; undermine steep slopes, private land and the Vere cliffs; surface disturbance and rehabilitation with gas drainage; continue exploration drilling for Blakefield North mine including a groundwater monitoring site west of Wollombi Brook; complete installing the Blakefield North gas wells; and develop a Care and Maintenance Mine Operations Plan.
- NS Bulga Underground is moving to care and maintenance by the end of 2017. We will continue to mine longwalls 8, 9 and 1B with a focus on cleaning up, sealing and storing equipment as we mine. It was noted we are not relinquishing any licences and there will be an ongoing program of monitoring and repairs for subsidence, rehabilitation monitoring and reporting.
- GA Will the main shaft be sealed permanently? PO: We are not planning to keep the underground ventilated so it will be sealed, we are working through these options now.
- RN We will continue to operate Blakefield North gas drainage and the power station.
- JK What are you doing with longwall machine? PO: It will be stored until we need it again.

2. Bulga Open Cut

- RN Gave an overview of open cut activities and rehabilitation in 2015.
- RN Outlined the proposed open cut operations for 2016. We are currently building a dam and drain in the north which can be seen from Broke Road. RN outlined the Eastern Emplacement Area modification. The proposed modification is to relocate northern emplacement area to land owned by the Mushroom Composters.
- RN: The studies undertaken for the modification have very similar noise impacts and reduced air quality impacts, largely due to better modelling and less haul distance.
- RN The modification also includes in pit tailings emplacement. We had to look at alternative tailings emplacement options due to changes at the underground and co-disposal is very expensive. There are improved technologies regarding tailings including secondary floccing to reduce moisture, and other technologies to reduce water content and make capping much easier.

- SM Asked about the public infrastructure along the old Broke Road. RN: Potable water and PID have been realigned along the new road.
- SM Did the council get compensation for the road being moved? RN: There is a component in the VPA to pay for road maintenance for the next 10 years.
- RN Noted there had been a great response from the community about the relocation of the road.
- TS Showed photographs of the rehabilitation on the road side of the Old Tailings Dam which has been seeded with Ironbark - Spotted Gum – Grey Box Forest Endangered Ecological Communities.
- RN Noted that the noise and visual bund - section 2 (along Cobcroft Road), has one more lift to go before reaching 150RL.
- RN Showed photographs of the noise and visual bund to the north and noted the outer face was built in the daytime only, with dumping in behind the outer face at night.
- There was discussion about rehabilitation of the bund in the north west corner and whether it will be treed. TS: You can see the trees if you look closely from Charlton Road. The area of the bund that was rehabilitated in December doesn't have any noticeable trees yet as they are still too small to see from the road. There will be supplementary planting of trees among the rehabilitation and we will continue to monitor the growth and maintain the weeds.
- SM Has the bund development affected the natural drainage into the Wollombi Brook?
- RN There isn't a great degree of difference. The catchment from the bund currently reports to a sediment dam. When the rehabilitation is at a point that the water can go offsite, the water will be diverted back into the drainage lines.
- JK Asked about timeframe of the outer face of the bund. GK: we are committing to the timeline of 4 years, however we will review this in line with coal prices.
- JK How the bund wall is affected by the price of coal? RN: Hauling the overburden to the bund is expensive, it would be cheaper to place the dirt in behind where we are mining. GK: The noise and visual bund could be lower in some areas which could provide a more undulating landform. However this depends on the noise modelling which we are investigating this during the Life of Mine process.
- SM Asked what is the life of mine? GK: Open Cut is to 2035. NS noted the underground life of mine is 2031.
- SM Asked if the deadline of 2035 includes final rehabilitation. TS: 2035 is for mining operations, we have approval to rehabilitate and undertake mine closure after that date.

3. Voluntary Planning Agreement (VPA) update

- TH: Gave the committee an update on the VPA and village master plans.

HS Said she is involved in the design of the longest picnic table for Broke's McNamara Park, one of the projects that has been put forwarded. HS would like to see an indigenous design in the table and bench seating. HS noted that local Aboriginal groups could be involved in the design and installation of the table. There is potential for interpretive signage to explain the Aboriginal culture in the local area.

GA There is wood from the trees in Burdekin Park that may be available. RN said we are stockpiling ironbark that could also be used.

4. Community Perception Survey

TH: Gave an overview of the results of Glencore's community survey. A summary of the survey will be sent to the survey participants. **ACTION: TH to send HS and SM a copy of the survey presentation.**

5. General Business

JK Asked about the rehabilitation targets in the 2015 Annual Review. The table was on page 97 and showed we were two hectares short of our target, which we'll make up this year.

JK Asked how we know that we are compliant in regards to dust. How do we measure it and how do we separate what is ours and what is from other mines? RN: we have real time PM₁₀ and PM_{2.5} monitors. If we have an exceedance, we get an air quality specialist to look at meteorological conditions, what equipment we had running at the time and what was happening on the day. We can also pick up where the dust is coming from our directional depositional data.

RN noted the EPA want monitors on our boundary so they can see what comes on and goes off site.

SM The EPA presented at the MTW CCC meeting on upwind and downwind real time monitoring. He noted that this wouldn't address cumulative impacts.

SM Asked about the noise criteria for Bulga Underground in table 12 of the Annual Review that relates to Bulga Village and Cobcroft Road only. RN: this criteria is associated with gas drainage infrastructure construction and is from a management plan with separate criteria for drilling the SIS well.

SM Asked about the result of 20dB in Table 34 of the Annual Review, and how it could be that low? RN: The total noise level was apportioned to open cut and underground noise sources.

SM Asked about Terry Everett. GA: Terry phoned to say that he will resign from the committee.

GA Asked if the committee would be happy to accept Terry's resignation once it was received in writing. It was noted that the committee will move forward with advertising for a new committee member once TE's written resignation had been received. **ACTION**

SM: Thanked TE for his long years of service on this committee and wished him all the best on behalf of the CCC.

6. Next meeting

The next meeting is Wednesday, 26th October 2016 at 9am at the Bulga Open Cut Administration Meeting Room.

Actions arising from the meeting

Item	Raised by	Action	Responsibility	Item No.
1	SM	Send the letter to the MSB. COMPLETED 18/05	NS	Actions from the previous minutes
2	JK	Follow up with the response provided by Scott Brooks regarding the Industrial Noise Policy on the 24 th November last year and inform the committee as to whether it affects our criteria. COMPLETED 18/05	RN	Actions from the previous minutes
4	HS	Send a copy of the community survey results presentation to HS and SM. COMPLETED 24/05	TH	4. Community Perception Survey
5	GA	Proceed with advertising for a new committee member once Terry Everett's resignation has been received in writing.	RN	5. General Business