

MT ARTHUR MINE COMPLEX
Community Consultative Committee Meeting – 13 June 2017

Attendance**Chairperson**

Dr. Colin Gellatly Independent Chair MAC CCC

Company Representatives

Chris White Lead Corporate Affairs
 Rob Harris Mid Term Planning
 Kris Sheehan HSE Superintendant

Council

Cr. Mark Bowditch Muswellbrook Shire Council

Community Representatives

John Bancroft Community Representative

Apologies

Di Gee Community Representative

Minutes

Sarah Purser

1. Welcome by Chairperson

Col welcomed members and raised that there was still opportunity for new members to apply for the MAC CCC community vacancies.

ACTION 1: Chris to email Col the last advertisement calling for community applications to the MAC CCC.

2. Apologies

Advised and recorded.

3. Declaration of Pecuniary Interests;

Ongoing Declaration; Col advised that both he and Sarah are engaged by BHP Billiton to provide the respective roles of independent Chairperson and preparation of the meeting minutes.

4. Approval of the previous Meeting's Minutes

It was confirmed that the Minutes from the meeting 13 May 2017 had been updated to "Endorsed by Chair" and re-circulated after the comments period close. Col asked if members had any comments, no feedback was provided, Mark moved that they be adopted and the committee approved the previous Meetings Minutes.

5. Matters Arising from the previous Meeting – Action Items

Thank you letter to be sent to Jenni Hayes from the MAC CCC.

- ✓ Signed off by Col after today's Meeting

ACTION 2: Chris to invite a MAC Specialist Geologists to present on the depressurisation of coal seams at a future CCC Meeting.

Chris advised he had found the Department responsible for this specialist area and was seeking input from a Brisbane based colleague, Chris hoped he may be able to attend a future Meeting.

Chris to respond to correspondence sent from John to Demus King (MAC) regarding meeting re-scheduling.

- ✓ Chris advised that Demus had forwarded the detail around John's concerns and John confirmed that Chris had responded in part to his questions.

Chris to check if LED lighting is being utilised in areas where there have been lighting concerns.

- ✓ Chris confirmed this was in response to Mark querying the type of lighting that was used in areas where there had been lighting concerns and advised he had been assured that all lighting in those areas had been changed out to LED's.

Mark noted that his curiosity had been around the lighting complaints potentially correlating with a change of shift and was interested to know if detail around lighting was passed on in these handovers so as to avoid a potential situation of change a over, then all of a sudden another complaint being made.

ACTION 3 : MAC to provide some detail on the towns where New Starters and Apprentices are located, in particular numbers of those who live within the Muswellbrook Council footprint. Chris to forward this detail to Members out of session when he has this detail in hand.

Chris confirmed that Human Resources were looking into this data for this financial year; detail around Apprentices was quite straight forward, however there was a bit more information to get in relation to "New Starters" engaged through Stellar and Chandler.

Mark would like to see MAC giving some locals a start and to train people from town, instead of engaging folk from out of town and bed sitters, he added that other mining companies engage people from the Muswellbrook LGA. Chris confirmed that Apprentices are heavily engaged from the Muswellbrook area and will send out more detail on receipt.

John noted he had queried how it was decided where Voluntary Planning Agreement (V.P.A.) funding was going to be allocated and if there was a Finance Committee that drives where it is to be spent. John felt when this detail was known this would be good to include in these meeting's minutes as a way to get that information out to the wider community. Mark confirmed the V.P.A. was still being worked through by Council and MAC and would be a subject at that evenings Council Meeting.

John understands some matters around the V.P.A. are required to remain confidential e.g. such as acquisition of land or the like, but when it has been decided where the funds were going John would be interested in detail around that.

ACTION 4 : MAC to present on the V.P.A. when this is made Public, providing detail on where these funds are to be allocated.

**9. Update from BHP Billiton; Presentation to be distributed with the Meeting Minutes
OVERVIEW OF OPERATIONS; Presentation by Rob Harris**

Rob provided the following data indicating actuals from April to May 2017, compared to the two months prior being February to March 2017, and also the April to May period for 2016. Rob noted this reporting was for the last two months, not quarter on quarter.

	Last 2 months	Previous 2 months	Previous Year 2 months		
Production Information	Apr-May FY 17	Feb-Mar FY 17	Apr-May FY16	2 Monthly Difference	Year-on-Year Difference
OB Movement (Mbcm)	17.4	15.1	18.5	15%	-6%
Coal Mined (Mt)	7.1	5.5	5.1	29%	39%
Coal Uncovered (Mt)	3.7	4.3	3.3	14%	12%
Product Coal (Mt)	3.7	3.0	2.7	23%	37%

- ✚ **Overburden Movement;** There had been a 15% jump in the two monthly comparison of April to May from February to March that was attributed to poor weather conditions in March and more dozer push coming on line.
- ✚ **Coal Mined, Coal Uncovered & Product Coal;** There was a fairly big uncover in February and March, following on to coal mined in April and May. Product Coal followed the same sort of pattern. Coal Mined remains on track and Product Coal is on average to what MAC are required to do each quarter to get their full year. MAC are working to keep downtime to a minimum.

Mark expressed an interest around the full yield figures and Rob advised these are typically around 70%. John queried the previous reporting periods that had indicated the year on year difference of Coal Mined; January to March to be 6% and Product Coal was 12% and felt there was a big difference. Rob reiterated this reporting was over a two month period, not for a quarter and the variability most likely increases due to looking at less months, whereas previously this had been reported over a period of 3 and 6 months. Rob noted there also may have been something particular within those months, such as perhaps a period where coal recovery did not come through i.e. did not make as much product during that period.

Rob noted that there tends not to be too much change in Coal Uncovered and Overburden but there can be change in Product Coal. Mark was interested to see how much coal goes through the bottle neck and onto trains, as that would indicate what is coming out of the mine and leaving site. Rob will look into finding some additional information on product coal to saleable coal to what then goes onto trains for the CCC.. Rob advised that he would also review the difference of Product Coal being; April and May 2017 at 3.7 compared to April and May 2016 being 2.7 to try ascertain the reason.

ACTION 5: Rob to look into Product Coal (Mt) figures for the periods April to May 2016 of 2.7 compared to the same period in 2017 of 3.7 to see what may have attributed to the difference over these two months.

Heat Map; Actuals - 2 Months; April to May 2017

Rob explained over the last two months mining operations had hit the majority of the Southern Pits on Denman Road with 70% of gear working there. Approximately one pass had been taken in the northern areas and dozer push is being undertaken.

Dig (only) Progression Map - EOM May - EOFY18

It was noted that a Stag Tree was visual from Denman Road and Mark was pleased to see this habitat as it would encourage birds to land on it and drop natural seeds. Chris noted there had been quite a lot of work completed in that area since the CCC site tour and John felt MAC had done a good job in that area.

Rob advised that MAC will continue on with the visual dump along Denman Road and John acknowledged that curves can be seen now. Rob advised that this had not changed much since the last meeting, with MAC covering the relatively same areas with similar intensities. There still remains some sort of focus in the northern areas. MAC are striking the dumping site seen on the site tour pretty hard. There are no lights on Maclean, so that should reduce any lighting concerns and John confirmed that he could see trucks but not lights.

Over the next three months; MAC will only dig up on high levels and there will be one shovel located up there for a period of about four weeks, all other diggers should be well hidden in the pit.

Mark asked how many dig passes there would be before reaching Edderton Road. Rob advised this would be one more pass, about another 80 metres which equates to one more strip in 2018 and then operations could not go further. It would be in FY2019 that MAC would then need to have the process of this road being moved.

MAC are opening up an area of hills in Ayredale where there are a couple of strips they are looking to develop, with contractors in over December onwards.

Mark asked if MAC use decking with blasting or go electronic and Rob advised blasting in through seams would have been electronic. Rob noted that with the latest drilling the seams had not been as steep, the first two or three MAC could get on the seam, after these seams it would be on a vertical bench. Mark felt using electronic would give the company more control with the blast and therefore vibrations and Rob confirmed yes.

ENVIRONMENT; *Presentation by Kris Sheehan*

Environmental Management

FY17 Rehabilitation Update

- ✚ 34.5 hectares completed to date
- ✚ 22 ha to be completed by end of June 2017 (all Geofluv)
- ✚ Rehab total for FY17 will exceed MOP target of 43.1 ha

During April, approximately 5 hectares of rehabilitation was completed at an area known as CD1 RL320 whilst approximately 16 hectares was rehabilitated at Belmont Pit. This takes the FY17 rehabilitation to date to 34.5 hectares.

An additional 22 hectares will be completed by the end of FY17.

An area is currently being seeded adjacent to Denman Road, known as VD5 RL160-180. This area was the first to be rehabilitated with the applied Geofluv design, that mimic's natural surface and drainage lines, and will comprise of approximately 13 hectares of box-gum woodland rehabilitation. Another area above known as VD5 RL245-280 is currently being top soiled, this is also shaped to a Geofluv design and will be completed during June 2017.

Rehabilitation Strategy

- ✚ 12,300 trees planted during April on previous pasture areas that are designed to be woodland at the end of the life of the mine (rehab completed pre-consolidated consent)
- ✚ Another approximately 18,000 trees planted in biodiversity offset areas during May and June.
- ✚ Habitat incorporated into new rehabilitation areas via stag trees, nest boxes and rock
- ✚ 150 nest boxes purchased to be installed across site made by Muswellbrook Men's Shed.

Chris noted a good success story for site, was the engagement with Muswellbrook Men's Shed to make the nest boxes.

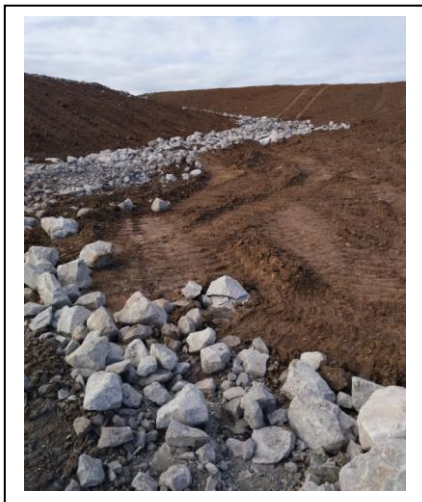
John asked where the 12,300 trees had been planted and Kris advised these are out on the rehab area along Denman Road which has been MAC's focus and suggested MAC could provide a map on where rehab is being conducted to the CCC.

ACTION 6 : MAC to provide a map showing where rehab is being conducted.

John asked where the off-sets are located and Kris confirmed these are over the road, south of the Industrial estate.



Natural rock in drainage lines to minimise erosion risk



Habitat Structure on VD5 RL160-180

Mark felt what MAC had achieved in that area was alright and it was better than the other side of the road but he continues to want to see more of a swing as it still looks a bit straight down. Mark felt more contour would hold the water up on the banks a bit longer instead of coming straight down as it currently appears to. Mark felt once this area has grass cover it would not stand out so much, but it currently catches your eye when looking across from the other side.

Kris understood Mark's feedback and has had experience and is familiar with benches, he agreed also that once this area has grass cover that may support water on it.

Six-monthly Spontaneous Combustion Report

- ✚ Few small areas surveyed during April – May 2017 by on-site personnel in legacy Bayswater mined areas – capped with clay where required.
- ✚ Aerial thermographic survey to be completed in July 2017

Environmental Performance

Elevated Environmental Monitoring Results

- Nil

Environmental Incidents

- One – 6 April 2017; A ruptured polyethylene pipeline was detected during a routine inspection. Water from the ruptured pipeline was observed to be flowing down a V-drain and pooling against a sediment fence just inside the mine site boundary. Subsequent inspection identified that some of this water had flowed offsite. The majority of the water was contained on site. Initial investigations suggest that approximately less than five per cent of the total water released (~20,000 litres) migrated offsite in a northerly direction, passed through a culvert underneath Denman Road and offsite onto land owned by Mt Arthur Coal adjacent to mining operations. MAC's testing of the water quality indicated that it was unlikely that there had been any adverse environmental impact as a result of the water discharge. All authorities were notified as per PIRMP; No response from EPA as to outcome of findings.

John noted that he has continued to raise concern about the bund wall on Denman Road having holes in it and that water may potentially leave site through those gaps. John showed a photo to the group taken on 16 May and identified an area near the water tank where it looked to him that a brown area indicated water running down towards the road, near where there is an opening in the bund wall.

ACTION 7: Kris to seek detail on the requirement for openings in the Bund Wall along Denman Road in relation to a concern raised by John that water may potentially travel off site through these holes.

COMPLAINTS; *Presentation by Chris*

Community Complaints - April & May 2017

1 x Blast; Denman Road, 2 x Lighting; Roxburgh Road & Muswellbrook, 0 x Dust, 1 x Noise; Roxburgh Road

Chris was pleased to be able to report there had been only four complaints in this period, a large reduction since the last report and noted that weather may also have come into play, having been quite mild with frequent showers. There had been two lighting concerns and specifically the one in Muswellbrook had been from a Miner calling from the New England Highway. Chris advised this was rectified really quickly, within about 20 minutes of the first call and call backs to make sure it had been fixed. The Blasting concern on Denman Road had been the result of four blasts in quick succession that related to one blast event, this had created some dust which stayed within site limits and therefore compliant but Chris noted that a resident advised that it had felt like it had rocked their house. There was only one noise concern and that been from Roxburgh Road.

Community Support

- ✚ Sponsorship of and Company table (10 guests) at Business Awards Nights for Muswellbrook and Singleton Chambers of Commerce & Industry. MAC General Manager presented 3 awards in Muswellbrook; Production Services Manager presented 2 awards in Singleton.
- ✚ Sponsorship of Upper Hunter Wine & Food Affair at Denman including a marquee stall to engage attendees and locals.
- ✚ Successful launch event of the NSW Local Buying Foundation on Monday May 29.
- ✚ Successful site visit by NSW Shadow Energy Minister, Adam Searle MLC.

Coming up

- ✚ Sponsors of Aberdeen Highland Games, including marquee stall.
- ✚ Company involvement in NSW Minerals Council Voice for Mining Family Day (Hi-Viz Day).
- ✚ MAC event to place indigenous artifacts into glass cabinet and recognise traditional custodians

12. GENERAL BUSINESS; *Community Feedback*

John Bancroft

John asked if MAC could provide advice on how many non-disclosure agreements the company has with community members, concerning the affect of mining on their property and health. Chris will investigate as to whether or not this information can be shared and report his findings at the next meeting.

John would appreciate if MAC were able to provide any detail for the 16th of May where he felt water had been seen to come through the two openings in the bund wall, near the water tank, and also some indication as to where may have gone.

Kris advised that he had not been notified of any incident on that date but confirmed he can seek detail around reason for the holes in the bund wall (captured Action 7 - Page 5) and would investigate to see if there is any additional detail that can be found on the day of John's concern.

Mark Bowditch

Mark asked if MAC had been notified about CEO's coming together to do a presentation, including the CEO's being taught how to do a Naidoc dance at Wonnarua, he felt this was something for mines to get behind and sponsor in for the Naidoc week.

Mark also let Chris know that there was a forthcoming sleep out to raise funds for Vinnie's to support the homeless in case there may be interest in that.

13. Date & Time of next MAC CCC Meeting

TUESDAY 12 SEPTEMBER

At Mt Arthur Coal

1.00 p.m. to 2.00 p.m.

ACTIONS ARISING FROM THIS MEETING

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ACTION 2: Chris to invite a MAC Specialist Geologists to present on the depressurisation of coal seams at a future CCC Meeting.

ACTION 3 : MAC to provide some detail on the towns where New Starters and Apprentices are located, in particular numbers of those who live within the Muswellbrook Council footprint. Chris to forward this detail to Members out of session when he has this detail in hand.

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ACTION 6 : MAC to provide a map showing where rehab is being conducted.

ACTION 7: Kris to seek detail on the requirement for openings in the Bund Wall along Denman Road in relation to a concern raised by John that water may potentially travel off site through these holes.

ONGOING ACTIONS

Col & Chris to liaise regarding advertising the two vacant Community positions. CCC to ask other community members to get in touch with Col if they are interested in joining this Committee.

MAC to invite representatives from the EPA to present on the Air Quality Monitoring Optimisation project.