

MT ARTHUR MINE COMPLEX
Community Consultative Committee Meeting – 8 June 2016

**Attendance****Chairperson**

Dr. Colin Gellatly Independent Chair MAC CCC

Company Representatives

Sarah Parton Specialist Environment
 Andrew Darnell Specialist Environment
 Katerina Stojakovic Corporate Affairs Team Administrator

Community Representatives

John Bancroft Community Representative
 Di Gee Community Representative

Apologies

Nick Woodbyrne Principal Mining Engineer
 Deirdra McCracken-Tindale Manager Corporate Affairs
 Andrew Garratt Senior Manager Corporate Affairs, NSW Energy Coal
 Alex MacDonald Community Representative
 Jenni Hayes Community Representative

Minutes

Sarah Purser - e) sarah.purser@bigpond.com

1. Welcome by Chairperson;

Col welcomed members and advised that a resignation had been received from John Milsom. Andrew Darnell advised that he was in attendance as he will be covering Sarah's role when she goes on leave.

ACTION 1: Col to liaise with Andrew and seek approval from the Department to re-advertise the MAC CCC Community Position.

Col advised that the CCC membership process is that applications are directed to him as Chair, Col then liaises with the Department as they appoint any new members. Col noted that the new NSW Government Planning & Environment CCC Guidelines for State Significant Projects remain in draft status and advised that there had been a fair few submissions on these.

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 there had been no member feedback on the 10th of March meeting minutes and they were adopted by the group.

5. Matters Arising from the previous Meeting – Action Items

MAC to provide an update on the Rehabilitation Strategy that was to be submitted to the DPE on the 30th of April.

- ✓ **Actioned:** Sarah confirmed this item had been addressed in MAC's CCC Information Handout.
Col to contact John Milsom to see if he wishes to remain on the MAC CCC or if the groups should advertise for another Community Member.

- ✓ **Actioned:** Per Action 1, Page 1.

Col to invite representative/Monique Myer from Division of Resources to speak to the CCC about Community Consultation in relation to Exploration Licences.

- ✓ **Actioned:** Col has extended an invitation to Monique to attend a future meeting.

6. **Update from BHP Billiton - Presentation to be distributed with the meeting minutes**

Kat advised that Nick had apologised for not being able to attend this meeting and had provided her with a briefing to present an update on operations.

OVERVIEW OF OPERATIONS – Presentation by Kat

- ✚ Production has seen some changes, with a minor increase in material movement for largely the same coal release i.e. Quarter on Quarter.
- ✚ There had been less coal uncovered when compared to the same period last year, this is due to capacity being deployed into high stripping waste to coal ratio areas.

Operations Heat Map – 3 Months Actuals; March to May 2016 – Refer presentation:-

- ✚ Digging has been fairly consistent across site and this can be seen with the even spread of green and yellow.
- ✚ Dumping has been focused on some key areas as a result of a deliberate haulage strategy; identified in purples and blues.

ENVIRONMENTAL MANAGEMENT – Presentation by Sarah

✚ **Traffic Noise Assessment**

MAC engaged a noise consultant to undertake a traffic noise impact assessment along Thomas Mitchell Drive and Denman Road in February 2016 to measure traffic noise generated by the mine against criteria specified in Schedule 3, Condition 6 of Project Approval 09_0062. The assessment found that the traffic noise impact at identified receivers was predicted to comply with the EPA's Road Noise Policy for all residences with the exception of Receiver ID13 along Denman Road. Investigation identified that the dwelling listed as Receiver ID13 was a shed utilised for hay storage, not a residential dwelling. It was therefore determined that there would be no identified impact at this property. The results of this assessment were reported to NSW Department of Planning & Environment (DPE).

John queried the location of Receiver ID13 on Denman Road and asked if road noise potentially impacts on other parts of this property, not just the Hay Shed. John asked would there be implications if a house was built there and was also interested in working out what percentage of that property might be affected by Road Noise? Sarah felt that the receiver did look at the entire property and advised that whilst traffic noise assessments are not publically available, the monitoring results will be in the Annual Environmental Management Report (AEMR) due to be published on the 30th of September 2016. John questioned if this would contain only a limited amount of data and Sarah confirmed the assessment on Receiver ID13 would be discussed in the AEMR.

✚ **Rehabilitation Strategy**

MAC participated in a joint meeting with DPE, DRE and Muswellbrook Shire Council in April 2016 to discuss final landform and rehabilitation requirements for the mine. An extension until mid-August was provided for the submission of a revised Rehabilitation Strategy to allow for further consultation with Government Departments.

John is concerned that CCC members do not attend these type of meetings and feels there is a big void between meetings with Council and MAC. Furthermore the CCC are not provided with feedback, meeting minutes or detail of what happened at those meetings.

Sarah explained that the Rehabilitation Strategy is a requirement under MAC's Project Approval and Government Departments have to approve this strategy. Sarah said this consultation with Government is at a higher level however acknowledged that this CCC forum is one measure where the community can provide feedback.

John felt the community do not have the opportunity to review Monitoring Programs and understood that MAC was required to provide Management Reports to the CCC. Sarah confirmed that these reports are all available on-line.

John noted that the Rehabilitation Strategy was being revised and asked how members were to know why there had been a revision? Sarah's understanding was that the main focus had been regarding rehabilitation on VD1 which is the overburden emplacement dump facing Muswellbrook. Sarah responded that Mt Arthur Coal is currently working with DPE to look at ways to better incorporate micro relief and natural drainage lines.

John asked if MAC was up to date with rehabilitation as per requirements? Sarah confirmed yes; MAC completes approximately 50 hectares of rehab per year and is meeting the commitments within the Mining Operations Plan for each year. Sarah advised for this financial year rehab is 80% on its way with some final areas on rehab dumps to be completed. By the 30th of June this rehab will be completed and Sarah explained that yearly referencing is based on financial years.

SHEPPARD AVENUE

Road Sealing at DC02 Sheppard Avenue monitoring station

Road sealing of just over 100 metres at the entrance of Muswellbrook Racecourse was completed on the 22nd of April. Sarah explained that historically on race days, the dirt road would impact air quality readings at the DC02 Sheppard Avenue monitor due to the increased traffic volume. The road sealing should reduce the number of non-mining related exceedences reported at the DC02 monitoring location.

John felt the dust concerns were not necessarily related to race days and Sarah responded that MAC had not seen any TEOM exceedences since the road had been sealed. MAC had been out to look and monitor on Race days and confirmed the monitoring results had been adequate.

John asked how many race days had been monitored since the road sealing? Sarah advised there had been one in April and that MAC hadn't reviewed May monitoring data however they did also look at track days that they were aware of and hadn't seen any spikes in the monitoring.

ACTION 2: In response to a query from John, MAC to advise the funding resource that was utilised for sealing Sheppard Avenue.

John noted that of the six elevated air quality PM₁₀ monitoring results in February and April, five of these had been at Sheppard Avenue Monitors; DF06 and DC02. MAC responded that this report is to the end of April and that there had been no TEOM exceedences at the Sheppard Avenue Monitors in May and June to date, noting the road was sealed in the month of April. Sarah explained MAC didn't have all the relevant data for May at this point and that it had been agreed by the group that MAC present to the end of each three monthly round.

John would like to see as much up to date data as possible come from the company so that he can take that back out to the community. John felt that given the CCC only meets quarterly this tends to result in long wait times with reports being further away from current dates.

MAC explained that at this June meeting, all validated data is to the end of April. It was queried if some data does not need to be validated and Sarah responded yes, however the TEOM's and high volume air sampler data is required to be validated.

John asked if it would be possible to see data from the last six months on the happenings at Sheppard Avenue, he was interested in the 24 hour average of the TEOM's and also the high volume monitoring taken every six days. Sarah advised that the CCC is provided with all those data summaries and John advised he would like to see daily data for the last six months.

Sarah advised this data is presented in other formats and she would need to take John's request on notice for discussion with her supervisor. John advised this type of data had previously been provided in a graph format that he found easier to interpret and that he believed the community were disappointed not to have continued access to that format.

ACTION 3: In response to a request from John; Sarah to liaise with her supervisor regarding the ability to present the TEOM's data for Sheppard Avenue in graph form for the period January to June 2016.

Sustainability Report Assurance Audit

An assurance audit of the sustainability report and relevant data MAC reports through to BHP Billiton was undertaken by KPMG commencing on the 16th of May 2016. During the closing meeting the KPMG audit team advised that no findings or issues had been identified.

John advised that he would be interested to see the Audit Report and also the joint Sustainability Report Assurance Audit by KPMG and BHP. MAC advised the KPMG audit specifically looks at areas such as; community engagement and development, greenhouse gas and energy reporting, tailings management, environmental incident management and reporting, community investment and anti-corruption.

Sarah advised that MAC does not have a final copy of this report and that KPMG had confirmed there were no issues/findings. Sarah was not sure if this KPMG report is made public but confirmed to John that the Sustainability Report is publically available on the BHP Billiton website.

Sarah explained that the engagement of KPMG to do the Sustainability Report Assurance Audit was not a Regulatory requirement but rather conducted through the BHP Billiton head office for the whole of Asset. In response to John's concern about not receiving a copy of this report, Sarah advised that if there were any issues identified these would be captured in the AEMR.

Hunter Valley Air Quality Monitoring Optimisation

Col advised that the EPA had presented on the Hunter Valley Air Quality Monitoring Optimisation at other CCC forums and that their aim was to avoid duplication of monitors and make monitoring more effective in ascertaining what is coming in and going out of mine sites and to work out where dust was coming from depending on prevailing winds.

Sarah confirmed that MAC was in discussions with the EPA regarding if and where to install monitoring. John feels that 24 hour monitoring is more representative on what is actually happening.

ENVIRONMENTAL PERFORMANCE

Elevated Environmental Monitoring Results

PM₁₀

Sarah explained elevated results had been captured in the information pack and that MAC completes a contribution calculation depending on conditions during the day and that none had exceeded 50 micrograms per metre cubed. John feels that each mine tends to worry about their own impact e.g. a certain percentage could be attributed to MAC and there should be a requirement for the cumulative impact to be taken into consideration. Sarah sees this as MAC looking at a result and confirmed that the company does meet with surrounding mines and has a Dust Monitoring Program in place. John asked why it is not reported which mine is responsible for each percentage and MAC advised that it is not for them to say what portion may be attributed to other mines.

Col confirmed that the concerns John raised about holding each mine accountable is exactly what the EPA's proposed new monitoring is all about by providing relevant contributing data.

ACTION 4: MAC to invite representatives from the EPA to present their Air Quality Monitoring Optimisation project at a future CCC.

Groundwater Salt Exceedence BCGW18 - Electrical Conductivity - February 2016

As a result of the significant in-bore upgraded works undertaken at MAC's site, the water level and quality triggers for this site as published in the Groundwater Monitoring Program are no longer valid. The upgraded bore is likely to be a better representation of the fractured rock aquifer (regolith and/or coal seam) than the bore in its original state.

A revision to the groundwater level and quality trigger values will be made following the two year period of intense groundwater monitoring (commencing in February 2016) under the revised program and network upgrade to collect new baseline data for all bores.

In the groundwater network upgrade conducted in November & December 2015 and January 2016 some monitors that MAC did not need were decommissioned and an additional 8 to 10 new bores were installed where Consultants had identified suitable monitoring locations. February 2016 saw the first monitoring under the new program with the intent of this to get better base line data. After 12 months MAC will go back to bi-monthly monitoring and at that point re-set the trigger values.

Sarah advised that for the majority of those reported the triggers were based on groundwater level, with one EC exceedence in February at Bore BCGW81 which is located on the other side of Edderton Road and was part of the monitoring upgrade. In addition; MAC did some camera studies and rescreened the aquifer in this bore, MAC have reported their findings to Government.

Sarah explained that triggers are set based on historical data and with Independent Consultants and these were reviewed when the revised monitoring program was put in place. Sometimes historical data does not capture natural seasonal patterns and in this case, the triggers no longer apply as it is a different aquifer.

Sarah advised that along with reporting this elevated result to Government, MAC had discussions with the Department regarding the circumstances that had changed. MAC will not report on this monitoring as the results are not relevant, however the company will capture in the AEMR that there had been triggers in exceedences.

John asked when this detail would be reported to members and Sarah advised that reporting to the end of the financial year will be contained in the AEMR. MAC explained it is anticipated they will continue to exceed monitoring in different coal seams and are expecting that the electrical conductivity will look a bit high. Sarah confirmed that at 30 September 2016, all detail will be in the AEMR.

John understands that members of this CCC asked MAC to only provide data when there is an exceedance and asked that it be recorded that he was concerned that the group may now not get notifications in relation to groundwater monitoring exceedances.

Sarah explained that MAC will document the trigger in their monitoring program but reiterated that it is no longer applicable. There had been discussions with the Department regarding revising the triggers and changes and as a result of this there will be amendments to the process in the monitoring program to bring things forward.

Sarah advised that MAC are seeing some groundwater at GW23, located within the open cut mine and that this bore will eventually be decommissioned. Mining activities are now within 350m of this bore. The proximity of the existing mine workings to this bore, which is ultimately within the open cut surface footprint of the mine, is the likely cause of localised depressurisation of the coal seam and the drawdown is within the predicted order of magnitude. The exceedances were well within the historic data range.

John questioned how coal seams are depressurised and Sarah advised that bores are put down and then when mining reaches the coal seam, it is depressurised so it loses its flow.

John asked what happens to the aquifer and does it go into the mine rather than down to the river via the water table and Sarah responded that water from a single coal seam will appear in the open cut face, however this leakage is often so small it cannot be seen.

John asked when a coal seam is depressurised, will the aquifer continue to go to the water table i.e. where it would normally go and asked for example; how depressurising may impact a property owner on the other side of Denman Road and could this properties aquifer potentially dry up. John clarified his interest is what the impact may be on the water table outside of the mine site. John noted that the report on the trigger at GW23 did not talk to the likely cause of depressurisation nor specify on what was deemed to be localised.

Sarah advised that she would need to take John's questions back to MAC's Hydro Geologist and advised that the Environmental Assessment has modelling on where there may be issues or predicted impacts in relation to depressurisation of coal seams.

ACTION 5: MAC to investigate whether one of their Hydro Geologist could present on the depressurisation of coal seams in a future CCC meeting.

COMMUNITY COMPLAINTS – Presentation by Kat

Kat advised that there had been 13 complaints for the period February to April, these related mainly to dust, followed closely by lighting, then some operational noise and blasting which were on par. The majority of complaints had come from Denman Road. Col asked how complaints between February to April had compared with previous periods as they did not seem a lot over a three month period.

ACTION 6: MAC to provide complaints data for a 12 month period to 30 June 2016 to review if there are any trends over the year.

John asked if the lighting concerns registered on the 6th, 7th and 26th of April were from one individual as he was interested if MAC were receiving complaints when lighting was in a particular area or facing a certain way and if so, why would the company continue have lighting there. Kat advised she could check on those dates and noted that they may not necessarily have been from the same person but could be different residents.

COMMUNITY HIGHLIGHTS – Presentation by Kat

- ✚ MAC's Local Buying Program has started to pick up and go from strength to strength with 81 suppliers now registered.
- ✚ Shealie Carroll has been appointed as MAC's Business Engagement Advisor and works out of the Upper Hunter Community Services Building. Shealie's role is to engage with local business, assisting them to sign up and help with quote responses, as well as helping site based employees understand the program and to raise quotes. Shealie goes to MAC site weekly and spends time in and around the community asking business if they would like to sign up.
- ✚ The response from companies has been really positive, even those who may be unable to quote are happy to see the opportunities coming through and potentially given to another local company. Some business did not realise they could service a mine site e.g. a florist and Kat gave the example of two work instructions that had gone out recently for landscaping and signage.

The landscaping quoting provided an opportunity for the company to save a lot of money by going through a local supplier and quotes for signage went to approximately 14 local business. Kat confirmed the local area is around Singleton, Muswellbrook, Denman and Scone and that MAC is working to support business with less than 25 full time employees.

Kat confirmed that there had been no findings by KPMG in relation to MAC's Sustainability Audit.

COMMUNITY PARTNERSHIPS – Presentation by Kat

- ✚ MAC has conducted community partnership discussions with the Upper Hunter Community Services (Community Capacity Building Project), Hunter Life Education and Graham "Polly" Farmer Foundation.
- ✚ The Hunter Coal Festival was a successful event.
- ✚ MAC continues to support Muswellbrook Chamber of Commerce breakfasts.
- ✚ The Picnic in the Park event at Muswellbrook had been a great afternoon.
- ✚ MAC will be a sponsor for the Aberdeen Highland Games.

Coming up:-

- ✚ MAC employees will be volunteering at the Muswellbrook Eisteddfod, of which MAC is a Gold Sponsor.
- ✚ In partnership with Upper Hunter Community Services; MAC will be attending the inaugural Upper Hunter Mental Health Support Working Party Meeting and contributing to a Mental Health Service Directory that will be going out.

7. General Business

MEMBER FEEDBACK – John Bancroft

Complaints Data

John noted that at this June Meeting the complaints data was only to the 30th of April and asked if MAC could provide these to the end of the previous month at future meetings rather than the agreed three monthly reporting.

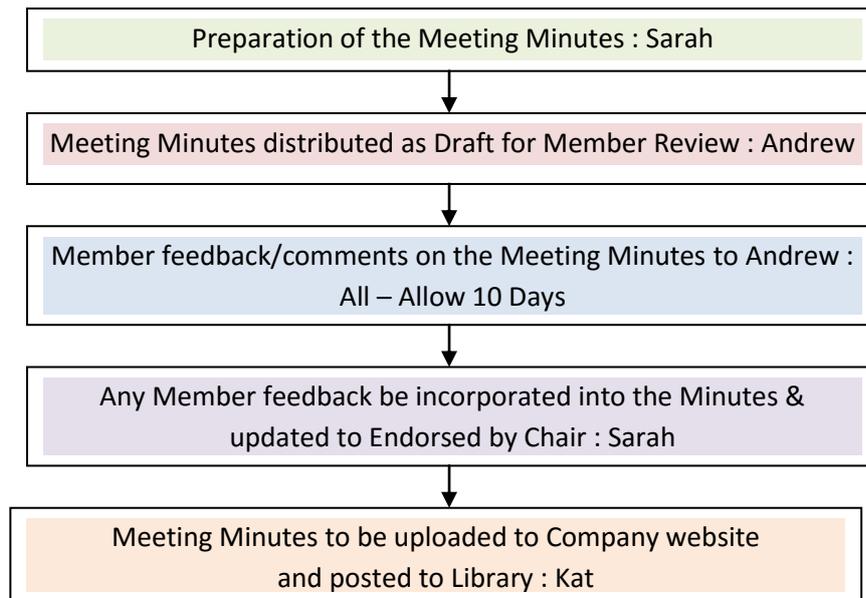
ACTION 7: Complaints data to be reported up to the end of the month preceding the CCC Meeting in the Information Pack.

Meeting Scheduling

John advised that he had missed the previous CCC Meeting due to a change in time, he would like to receive as much notice as possible, 28 days if practicable, should there be any change to the date and/or time of the next meeting as he re-schedules his commitments to attend these meetings.

Minutes of CCC Meetings to the company website

It was noted that Meeting Agenda's & Minutes are uploaded to MAC's website after they are approved at the following meeting and John feels this is creating a long delay. Kat and Sarah agreed to work towards having the Minutes turned around as Endorsed by Chair after the member feedback period to fast track this process and uploading to the company website.



Establishment of new CCC Committee and Independent Chair

John asked when the Department approved the formation of this new CCC would it have been documented about the discontinuation of the previous committee and asked if this would be under the conditions of consent. When MAC was granted a new project approval for the modification in September 2014 this automatically triggered a requirement to declare all CCC positions open and the requirement for an independent chairperson and advertising for expressions of interest in joining the CCC. . All members of the previous CCC were encouraged to re-apply for the new CCC. John Bancroft was the only member from the previous CCC to reapply.

CCC Contact Details

CCC contact details were sent out to members, however did not include phone numbers as that is personal private information that each member can provide themselves to other members if they wish.

8. Date & Time of next CCC Meeting

At Mt Arthur Coal

Tuesday the 6th of September at 1.30 p.m.

ACTIONS ARISING FROM THIS MEETING

Action	Page Ref	Description	Who
1	1	Col to liaise with Andrew and seek approval from the Department to re-advertise the MAC CCC Community Position.	Col & Andrew
2	3	In response to a query from John, MAC to advise the funding resource that was utilised for sealing Sheppard Avenue.	MAC
3	4	In response to a request from John; Sarah to liaise with her supervisor regarding the ability to present the TEOM's data for Sheppard Avenue in graph form for the period January to June 2016.	Sarah
4	5	MAC to invite representatives from the EPA to present their Air Quality Monitoring Optimisation project at a future CCC.	Andrew
5	6	MAC to investigate whether one of their Hydro Geologist could present on the depressurisation of coal seams in a future CCC meeting.	Andrew
6	6	MAC to provide complaints data for a 12 month period to 30 June 2016 to review if there are any trends over the year.	Andrew
7	7	Complaints data to be reported up to the end of the month preceding the CCC Meeting in the Information Pack.	Sarah