

MT ARTHUR MINE COMPLEX
Community Consultative Committee Meeting
12 November 2018
Community Response Line: 1800 882 044



Attendance

Chairperson

Dr. Colin Gellatly Independent Chair MAC CCC

Company Representatives

Damien Perkins Manager Production Planning
Jimmy Nixon Environment Specialist
Deirdra Tindale Lead Corporate Affairs, NSW
Leah Sheepers Specialist Community, Corporate Affairs, NSW Operations

Company Specialist Presentations

Dora Sotiris Specialist Land Management
James McGeachie Lead Projects Delivery

Council

Cr. Mark Bowditch Muswellbrook Shire Council

Community Representatives

John Bancroft Community Representative
Di Gee Community Representative
Rosemary Munn Community Representative

By Invitation

NSW Gov't Planning & Environment

Michael Frankcombe Senior Compliance Officer, Compliance Planning Services

NSW Minerals Council

Craig Milton Policy Manager

Minutes

Sarah Purser

- 1. Welcome by Chairperson;** Col welcomed the group and introduced Craig Milton in attendance to talk about the Upper Hunter Mining Dialogue, Michael Frankcombe in representation of the Department of Planning & Environment and Leah Sheepers who has joined the MAC Corporate Affairs Team.
- 2. Apologies;** Nil advised.
- 3. Declaration of Pecuniary Interests; Ongoing Declaration;**
Col 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;**
Col confirmed that the Minutes for the Meeting held 13 August 2018 had been circulated and updated to "Endorsed by Chair" after the comments period close and called for formalisation of member acceptance at today's meeting.
✓ Confirmed.
- 5. Matters Arising from the previous Meeting – Action Items**
Deirdra advised all Action Items would be addressed at today's Meeting in the Company Update.

6. Update from BHP Billiton for the reporting period 1 July to 31 September 2018

OVERVIEW OF OPERATIONS; Presented by Damien Perkins

	Last 3 Months	Previous 3 Months	Previous Year 3 Months		
Production Information	Jul - Sept FY18	Apr - Jun FY18	Jul - Sept FY17	Q-on-Q Difference	Y-on-Y Difference
OB Movement (Mbcm)	37.9	28.7	29.1	32%	30%
Coal Mined (Mt)	5.3	8.1	5.1	-35%	4%
Coal Uncovered (Mt)	5.6	8.1	5.1	-31%	10%
Product Coal (Mt)	4.0	5.8	4.2	-31%	-6%

🚧 **Overburden Movement;** 37.9 Mbcm was a record overburden in July to September 2018 and higher than the target of 35 Mbcm's per quarter. In the previous three months of April to June 2018 there had been substantial weather impacts and some machinery not on site. 37.9 Mbcm was a step up in the 30% range in comparison to 29.1 Mbcm in July to September of 2017.

🚧 **Coal Mined;** Down about 35% relative to Quarter on Quarter due to the under / over sequence, this should stabilise at about 5 Mt in both uncovered and mined.

THIESS CONTRACT

Fact sheet
 Total Services Contract Award

BHP

BHP has awarded Thiess, a subsidiary of the CIMIC Group, a total services contract to mine the Ayredale and Roxburgh pits, located in the southern areas of the Mt Arthur Coal lease, in Muswellbrook.

About the contract

VALUE

AU\$1.2billion
over 5 years

FLEET SIZE

6 Fleets plus
associated
equipment

CONTRACT START DATE

**Targeting
early 2019**

Why Thiess

To efficiently mine the Ayredale and Roxburgh pits, proficiency in terrace mining and through seam blasting in steeply dipping monocline geology is required.

Thiess are Australian industry leaders in this technique, successfully mining other Hunter Valley pits for many years.

Thiess has been working at Mt Arthur Coal for the last two years.

Jobs

There will be no material impact to the current Mt Arthur Coal (north) mine plans, permanent BHP roles or labour hire upon the implementation of the Thiess contract. We will continue to regularly review our operations in terms of productivity and efficiency.

Thiess' current presence in Ayredale and Roxburgh will increase over the next two months to prepare for the contract commencement date.

Thiess has indicated they will seek to recruit for a range of roles to service this contract, including operators, maintainers, mine planners and support staff.

Thiess as statutory mine operator

BHP will appoint Thiess as the statutory mine operator for the Ayredale and Roxburgh Pit areas.

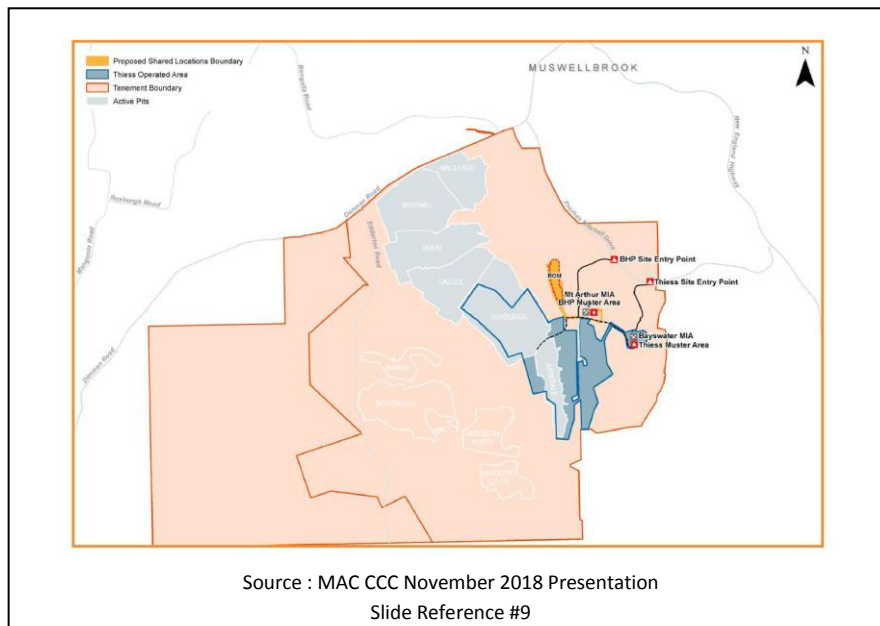
Under this appointment Thiess will be responsible, and control safety for the Ayredale and Roxburgh pits.

BHP will retain statutory accountability for the remainder of the Mt Arthur Coal mining lease including the Northern area, and the shared zone around the Run Of Mine (ROM) area.

Damien advised of the expanding of the Thiess contract, who have been on site for 18 months now, and whereby MAC has picked up some additional machinery with them for both overburden and coal. It was confirmed that notification of the Thiess Contract Award had been advised to the CCC by MAC via the Chair on 18 October 2018.

John queried how MAC would go from one huge pit to half a pit and Damien clarified that MAC are not reducing the size of the pit and that with the full add of Thiess in their area of operation, there is the intent to lift to 140 Mbcm and 20 to 21 Mt product coal going forward.

Mark queried what areas of the pit Thiess are taking over and Damien responded they will be mining the Ayredale and Roxburgh pits that MAC historically had not been able to cost effectively mine. Damien confirmed that Thiess are the experts in mining steep areas, with a proficiency in terrace mining and through seam blasting in steeply monocline geology that is required for these pits.



Advantages of engaging Thiess:

- ✓ Mount Owen is similar to Ayredale and due to experience with this mine, and also Mt Pleasant, Thiess have the expertise to do that geometry of coal and take care of that technical challenge.
- ✓ The contract assists MAC from a capital point of view by not having to purchase an additional six trucks.
- ✓ As MAC is not in a position to put on additional permanent staff, this labour will now be available through Thiess and also Labour Hire Contractors. It is envisaged that there will be up to 300 permanent jobs with Thiess for the five year life of mining, and the plan is to retain all MAC employees and contractors.

John queried how many staff are at MAC and Deirdra advised that there are approximately 1,500 employees and contractors but is not able to provide the split as that data is not readily available due to the company's ongoing use of Labour Hire Contractors.

Damien advised that the Contract Value is AUS\$2.1 billion over 5 years and post the ASX ruling six fleet have been started now, with the formal contract date to commence early 2019 where BHP will appoint Thiess as the statutory mine operator for the Ayredale and Roxburgh Pit areas.

John felt that as part of MAC's Consent Conditions that it would be his expectation for BHP to be in charge of the whole site and asked if MAC is saying these areas would no longer be part of the company's concern. Damien responded that BHP retains overarching responsibility in relation to the risk over the entire lease, and that inside of that, safety and supervision will be divided up into two discrete areas.

Thiess will be responsible and control safety for these two pits and BHP will retain statutory accountability for the remainder of the Mt Arthur coal mining lease, including the Northern area, and the shared zone around the Run Of Mine (ROM) area. MAC will continue to be the main point of contact and responsible for the overall operation of the mine.

John queried if there was a concern about dust or lighting should the community still phone the MAC hotline and would the company continue to respond. Damien confirmed that is correct and if for example lighting was a concern in the Thiess area then MAC would take it up with them. Part of the Contract is that Thiess are to observe site standards and current procedures. John asked who will be responsible for reporting back to the CCC on the Ayredale and Roxburgh pits and Damien responded MAC will continue to carry the current site, so this current view will not change. Jimmy added that BHP will govern Thiess and there may be potential to invite a Thiess person to come along to a future CCC Meeting to talk about Thiess.

John asked in relation to coal, would there be the same dumps and trails and Damien answered there will be the same delivery points, with all material going back together on MAC's ROM, and it will be when coal is in the bin that BHP take ownership. BHP will continue marketing and coal logistics.

Heat Map 1 - Actuals - 4 months - June to October 2018 Reference Page #10 Company Presentation

Damien provided an overview of where operations had been over the last few months, he indicated via mapping the carving off of Ayredale & Roxburgh and identified where there is activity further to the south. Damien confirmed that operations continue as normal and currently there is some building up from the Geoflue in the far north west corner, along with activity in the pit floor. There will be the installation of another cross pit bridge for trucks to travel the divided areas of north and south.

John queried the complaint in the Meeting pre-read with the lodgement type as "Lodge With Third Party" from Muswellbrook on 12 July 2018 *"Where investigation had revealed dump heights were well under the max limit allowed to the mine. The Department of Planning & Environment was advised of findings"*. Michael responded that this had come to him and as a result of investigation by the Department MAC Surveyors had provided an RL Map that confirmed their operations were well within the maximum dump heights in the MOP and Consent. Michael noted that from Denman road the dump did look high but reiterated that it was within consent limits. In response to a query from John, Michael advised that the "Third Party" related to a community member enquiry and as a result the Department then got in touch with the mine to get answers and provide a response back accordingly. Damien confirmed the 360RL was still 15 meters under allowable height.

Via Google Mapping, Damien identified the following for the CCC:-

- ✚ The locations of; Denman Road, the Office/Meeting Room, coal processing plant and also dig and dump areas.
- ✚ A view of Racecourse back to MAC where mining can be seen through a lower section, noting that it is MAC's objective to get that area closed off.
- ✚ The Geoflue rehabilitation that has gone in over the last year, where natural rock drainage can be seen on the VD5 area. The process going forward is that MAC is committed to Geoflue in the VD5 area that can be seen from Denman Road.
- ✚ The rounded edge that points out at the scarp of the hill where MAC will be going in for final surface and that will be the same style in every piece of new rehabilitation. Damien noted that particular area had been a source of lighting concerns, so the plan is to build up the edges before filling the internal side, therefore there is another lift due on the outside between now and the end of the financial year.
- ✚ The two dump lifts that will continue up that existing slope and double the footprint of Geoflue. Damien confirmed this is on track and the intent is for natural landforms.

Mark felt there had been a huge improvement in rehabilitation over the past 12 months and the area along Denman Road was very pleasing from a visual point of view. Di agreed and the MAC team were thankful for this positive feedback from the CCC. John added that the entire committee was in agreement with this and had often expressed how good the area along Denman Road had been made.

Mark queried what planting MAC would be doing and if it was possible to get an updated tree list, he asked if the company was looking to put in natural bush tucker i.e. the correct native food to encourage wildlife and nature back in. Mark is all for planting natural food sources to encourage wildlife as that will help to regenerate plants and this also looks more natural.

ACTION 1: In response to a query from Mark, Jimmy to provide a summary of the MAC seed mix used for rehabilitation as per MAC's Approval.

Heat Map 2 - Actuals - 4 months - June to October 2018 Reference Page #11 Company Presentation

Damien identified Ayredale and Saddlers pits, indicating where there are two other large rehabilitation areas. MAC will commence landform once they are over the top of the hill and put material in place so construction can start from the outside. Damien indicated dig and dump locations in the other two pits noting that they are also fairly active. Damien confirmed there are high rehabilitation targets in place and once again these are to be Geofluff.

ENVIRONMENT; Presentation by Jimmy

Action from the August Meeting; Jimmy to provide in the Meeting Pre-read; data for all Air Quality Monitors in graph format and continue to report only on those with elevated results over the reporting period.

Jimmy noted this action was for MAC to provide Air Quality Monitoring graphs and data for every site and confirmed that had been added to the pre-read. Col asked if that was what the CCC had wanted and John responded he would like some assistance in interpreting wind direction data that was now included in these reports.

Environmental Performance

Elevated Environmental Monitoring Results

Air Quality Monitoring (Period 1st July to 31st September 2018)

This covers all six statutory PM10 monitoring sites using TEOMs, all three High Volume Air Samplers and all six Dust Deposition Gauges.

- ✚ Eight days (eight occurrences) within the reporting period experienced elevated absolute PM10 TEOM monitoring results. These events were investigated accordingly, finding the incremental MAC contribution not exceeding the criteria. The investigations were provided to the DP&E. Further information was requested by DP&E for the events on 24 July, 28 July and 19 September, with no further action required.

John felt that when looking at the graphs the 8 occurrences had looked more like 16 and Jimmy explained that the notifications provided in the Pre-Read are made up using **pre-screened**, raw data in line with the CCC reporting timeframes and that data then undergoes post validation at the end of the reporting period, where it is reviewed by an expert to check & reflect and remove any errors i.e. check how monitoring is running and temperatures, if there had been any calibration issues that may result in a negative value, and/or power supply issues.

Jimmy explained that MAC are not able to report raw data that triggers notifications to the Department, as that data is live in the system and can only be accessed on the day, and that this data is downloaded at month end for review. The TEOM's report in real time and provide the data that triggers the TARP process. Michael asked what is the expectation should monitoring fail and Jimmy advised that if monitoring goes down MAC can activate a manual TARP, such as conducting more visual inspections.

John and Rosemary noted there had been a few occasions around mid-September where a number of monitors were not working and Jimmy responded that these may relate to power/faults, and he would look into this period.

Actioned Post Meeting; Jimmy provided detail to the CCC on the reasons for TEOM downtime during the September period.

John acknowledged that MAC provide PM10 data via their TEOM's and is also interested in seeing graphs from the High Volume Air Samplers and Depositional Dust gauges, along with data from water gauges. John is seeking to collate data from all monitors over the long term to be able to see an ongoing process and how it is all progressing.

Jimmy confirmed that MAC had provided the monitoring data that John had requested for the reporting period and this had been to replicate all graphs that had been provided for previous quarters out to the statutory sites. Jimmy advised that graphs for the High Volume Air Samplers had not been something the CCC had previously raised as wanting to see. Jimmy confirmed that MAC report on elevated environmental monitoring results for water monitoring, not watering stations, as there would be dozens and dozens of data sets that would be very onerous.

Michael asked if this data was available on the website and Jimmy confirmed yes, that MAC provide the daily 24 averages and that MAC also provide much higher resolution data that had been requested to the CCC. Col understood that MAC had met the required reporting as a result of John's request at the August Meeting and also Mark's request for the addition of wind directions to the graphs. Jimmy offered to provide an explanation on interpreting this wind direction data after today's meeting and confirmed that MAC had met every member request for data for the last three quarterly CCC Meetings.

ACTION 2: In response to a request from John, Jimmy to investigate if MAC can present graphs for High Volume & Dust Depositional Monitoring Data and provide that data as a figure.

John asked if community could be provided with PM2.5 data and Jimmy responded that is not something the company has. Mark confirmed that this is not mine data but there is some detail at Council noting that reports had indicated the larger contributors to PM2.5's were wood fires and cars.

Michael advised that in the approval for Hunter Valley Operations PM2.5 monitoring had been added and that was the first time this had been seen in the Hunter Valley. Michael was not sure if this would be the case also for future consents.

John was concerned that the biggest mine, with the most diesel trucks, may not have regulations similar to those in place for trucks on the road, asking if there was no environmental limit on them. John is concerned that industry is not required to monitor PM2.5's, as it is his understanding these are the carcinogenic ones that he believes have the potential to cause cancer and is unsure why the Department would allow that. Michael hoped there would be something in advance to get that PM2.5 data in mining, noting that this was certainly a precedence at Hunter Valley Operations.

Mark felt it would be good to conjunct PM2.5 and PM10 data to give a comparison on what potentially comes from wood fires and traffic, alongside what amounts come from the mining sector. Mark advised that dust; both PM2.5 and PM10 had been big issues with Council over the last six months.

Elevated Environmental Monitoring Results - Continued

Air Quality Monitoring (Period 1st July to 31st September 2018)

- ✚ Three days (three occurrences) within the reporting period experienced elevated absolute PM10 HVAS monitoring results. These events were investigated accordingly, finding the incremental MAC contribution not exceeding the criteria. The investigations were provided to the DP&E with no further action required.
- ✚ Table of notifications provided in the CCC Pre-read Report.

Rosemary asked what caused these events and Jimmy advised that the first one was linked to a regional dust event. Michael explained that under Consent Conditions mines have a criteria of $50 \mu\text{g}/\text{m}^3$ and for MAC that is purely what the mine produces. Some other mines can go up to $50 \mu\text{g}/\text{m}^3$ and include their impact plus background air quality e.g. there may be extra due to bushfires or dust storms. Consent conditions still require mines to undertake proper dust management and the mines may be asked by the Department how site was managed in these conditions.

John asked how the new dust monitoring for on and off site was going and Michael responded this monitoring allows the Department to request upstream and downstream data and to ask mines to look at wind direction and their potential angle of exceedance. The Department then conducts a detailed analysis to ascertain if there is something to investigate and/or there are other contributing factors. Jimmy added that built in to the base of the graphs provided by MAC, there is representation of the company's zone of influence.

John would like to be able to show ongoing monitoring data in response to questions from community. Mark felt that there was benefit in being able to compare air monitoring for the region and to be able to check this against MAC's reporting. Michael spoke about the Upper Hunter Air Quality Monitoring and what Mines are required to report, he noted that the Upper Hunter measurements are rolling PM's and that Mines data is midnight to midnight, so there is a subtle but important difference between the EPA and Mines monitoring data. John was unsure if upstream and downstream monitoring would be made available to community and was concerned that it may exempt mines from having to provide any other data, he reiterated that it is data sets to ascertain cumulative impacts that do not seem to be available.

John gave the example of a potential dust concern in Sheppard Avenue, where MAC and Bengalla's monitoring are located about 100 metres apart, but the data from each monitor differed greatly and both company's advice was that they did not contribute to this. John feels that is a problem that the community are getting tired of trying to figure out. John explained that the community is frustrated with dust and when they complain the typical response from mining companies is an apology but that they are within their Conditions of Consent and this is why John continues to seek as much monitoring data as is available from all mining companies.

Mark advised that if community have concerns they can also go through Council and Michael confirmed that he is also another avenue as Compliance Officer for the Department. Michael acknowledged the impact of dust and if there is a lot of dust the Department will investigate to ascertain that mines are compliant. John feels it is not about compliance but the issue now is that the community is less tolerant of what this is all about and if a mine is down wind, will they be willing to accept their contribution. John is concerned also that a lot of people have given up complaining to the mines.

John queried about mines having different $\mu\text{g}/\text{m}^3$ levels and asked why this is not set to one level when a new mine comes on and why not update the level from being $50 \mu\text{g}/\text{m}^3$ and set all industry at a lower level, say $40 \mu\text{g}/\text{m}^3$. Michael responded that in the past under the Voluntary Land Acquisition & Mitigation Policy (V.L.A.M.) most mines had limits as to what was background plus their contribution. In the new V.L.A.M. this measurement is just what the mines contribute and every mine was set to $50 \mu\text{g}/\text{m}^3$. Michael advised that he could email John detail on the V.L.A.M.

Water Monitoring (Period 1st July to 31st September):

- ✚ There were 3 occurrences within the reporting period whereby groundwater levels fell below trigger levels. These events were investigated accordingly. The investigation was provided to the DP&E with no further action required at this stage.
- ✚ There were 3 occurrences within the reporting period where a surface water sampling point reached a trigger level. These events were investigated. The investigation was provided to the DP&E with no further action required at this stage.

Jimmy advised that these three triggers were in an operational area of the pit and due to pit progression they had been anticipated by the company. Mark asked if the occurrences were on the Singleton side of operations, as in that case, they would be out of the water table and Jimmy confirmed yes. In relation to elevated water monitoring results, Mark asked if MAC could note in their report if this was not on alluvial land and also if it was on the Singleton side of operations, so should the CCC receive concerns from farmers that water is being taken away, they can reassure them by identifying the location of the monitoring.

Mark said in his role as a MAC CCC representative he is often told by farmers of their concern that water levels have dropped in their wells. Mark could then go back and say this is not an impact from the mine as they have water triggers and are not on alluvial lands. Mark noted that water is different on the north and south sides of Muswellbrook, so when the side of monitoring is identified he can confirm this is on a different water table.

Rosemary agreed that it would be helpful for MAC to advise where the elevated results were and the result of MAC's investigation i.e. identifying what the problem was.

ACTION 3: In response to feedback from Mark & Rosemary, Jimmy to add additional comments to the Pre-read going forward around location and detail of the issue when reporting elevated results for Water Monitoring.

John asked that any elevated monitoring results for air quality and water be included in the Minutes to confirm that MAC had reported these to the CCC.

✓ **Actioned by Sarah**

Environmental Reporting

MAC has completed, and therefore complied with, all annual reporting requirements under licence conditions. These are available to view on the BHP website using the following link:

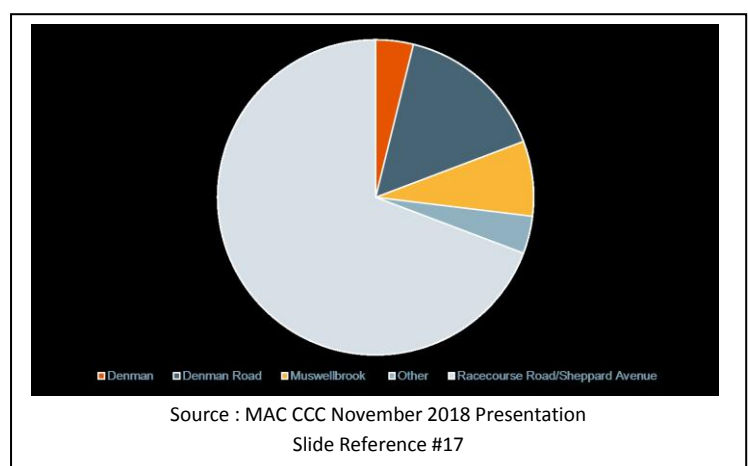
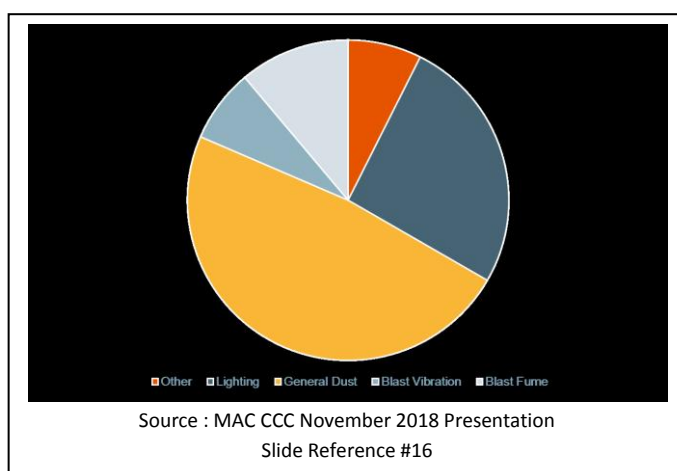
<https://www.bhp.com/environment/regulatory-information#>

Action from the August Meeting; Jimmy to provide detail on the areas where most wild dog baits had been taken in MAC's FY18 wild dog baiting program.

✓ At today's Meeting, refer Company Presentation Slide # 14.

COMMUNITY - Presentation by Deidra

Community Complaints - July to September 2018 : Community Response Line: 1800 882 044



Deidra noted that complaints detail had been provided to the CCC in the Pre-Read material, that this data is also made available on MAC's website on a monthly basis, and that Dawid had spoken about lighting at the previous CCC Meeting and why MAC has to have this in place. Mark said it was good to see that Roxburgh Road was not on the list for lighting concerns and Deidra confirmed that MAC works to address calls regarding lighting as soon as possible.

Community Support

Ongoing support of Muswellbrook Chamber of Commerce and Industry, Singleton Business Chamber and Hunter Business Chamber

- ✚ Successful WRHS Hunter Valley Charity Rugby Match
- ✚ Local Buying Foundation Advisory Committee Meeting to be held on Thursday 15 November
- ✚ 14 applications received for the first round of Benefiting My Community Program
 - St Josephs Denman Primary School –IT upgrade (laptops, iPads)
 - Scone & District Pre School –Enhance outdoor play area
 - Singleton Heights Pre School –New classroom resources

In addition; Benefitting my Communities & To me that's Big' Launch

Coming up; The Big Issue Launch

Members were provided with a pre-screening of the "Think Big Campaign" advertising, due to air from 19 November, and Deidra provided an insight into those people involved in the ads i.e. mixed local business that have benefited from the local buying program or by having a relationship with MAC, along with apprentices and trainees, also around the desire to bring more women into mining. Deidra summarised that it is not just about mining but some of the other benefits that come from this industry.

Calendar of Events

- ✚ To me that's Big' Launch –19 November
- ✚ BMCP –Closing 30 November
- ✚ Stakeholder Appreciation Event –4 December - *Invitation sent to the CCC on 19 November*
- ✚ Big Issue launch –5 December
- ✚ MAC Family Day –early 2019

7. Introduction: Michael Frankcombe - NSW Government Planning & Environment

Michael explained he was in attendance to personally introduce himself to the CCC and that in his role as Compliance Officer, MAC comes under his area of responsibility. Michael advised his past experience was as a Rehabilitation Expert and that he looks over many of the coal mines in the Singleton area, MAC being the only Muswellbrook one.

Michael confirmed that the Department had recently conducted a campaign of unannounced night time inspections and at the time 11 had been completed with Michael attending 4 of these. Michael advised that he and a Noise Specialist had conducted some monitoring at Racecourse Road, Denman Road and the Golden Highway to look at noise coming out of the mine and to see if alarms were triggered. Michael was on site around midnight where he met with Open Cut Examiners and asked them to take him through their reports, also if there had been any noise and dust alarms from the night to see how they had responded. Michael noted that there had been no alarms that night and he had then gone on a lengthy tour and review, where he had looked at haul roads and dumping and talked to the OCE's about operations. Michael had been quite impressed on what he viewed that night and saw that haul roads were being managed and the location of water carts. Michael confirmed that MAC had met the requirements of that night inspection and felt the two OCE's had done very well. Jimmy felt it was also beneficial to have had Michael talk to the OCE's, as they can also now associate the Department with a representative from there.

Michael advised that the Department has recently purchased some good quality drones and will be using these as part of dust surveillance now, as many pits cannot be seen very well due to bunds. The main reason for the drones is that there is a new world of compliance and Michael confirmed there would be substantial engagement prior to the Departments use of these to take photos.

John asked if this may include the use of drones for blasting, giving an example of a drone being utilised to give a visual guide to blast fume and the potential correlation to nitric oxide, and to then put some numbers around that. Mark believed that drones had also been utilised around Wind Farms. Michael noted that there had been a number of drones flying over mines and confirmed that these had not been the Department's and that they would provide appropriate advice prior to doing that.

John queried the blast fume complaints on 4 and 31 July and Deidra advised these were around seeing dust as part of a blast. Deidra added that if MAC receive a blasting concern, they work to distinguish what it was about the blast that caused the issue i.e. was it visible or was it about something the person felt. If there was fume or an elevated reading MAC would include this detail in the investigation column.

8. VPA Discussion

Deidra explained there had been a query from Jennifer about who from community is on the VPA Committee and advised that Tim Troon was the long term community member. John queried the allocation of funding and Deidra responded that with regard to the Mt Arthur Coal Community Fund with Muswellbrook Shire Council, through MAC's VPA, that \$500,000.00 is provided to Muswellbrook Shire Council annually. This year it has been agreed to fund just under \$500K to the new Regional Entertainment Centre and just under \$500K to the Muswellbrook Aquatics Centre.

9. Edderton Road Update - Presentation by James McGeachie

Project Scope Summary

- ✚ Relocation of Denman / Edderton road intersection
- ✚ Edderton Road Re-alignment (temporary road)
- ✚ Edderton Road Upgrade
- ✚ New road alignment to Mt Arthur
- ✚ 3rd party infrastructure re-alignment (power, fibre & telecommunication lines)

Status - Denman / Edderton road intersection

Improved safety

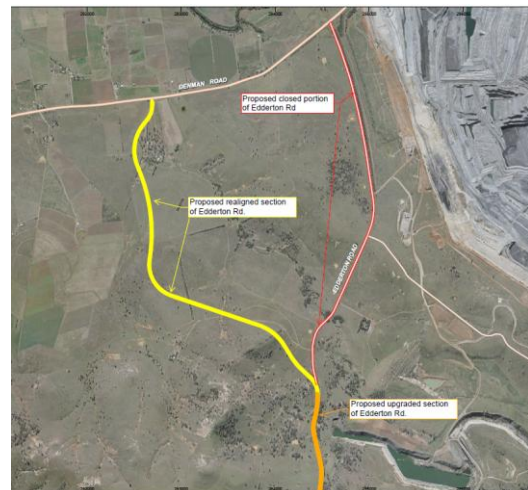
- ✓ Wider lanes and shoulders
- ✓ Turning and slip lanes

Status - Edderton road upgrade

Improved safety

- ✓ Improved road pavement

Road Alignment



4.3km of new road alignment; Intersection relocation, west from current location to around the Windmill homestead.

1.75km of improved road pavement; Seamless transition to current road conditions.

Improved safety; Wider lanes and shoulders. Improved surface treatment, smoother ride.

Source: Company Presentation Slide #4

Mark advised that he had put forward for the intersection to be straightened up i.e. to be square, as when this is on an angle it is harder to see oncoming traffic and James confirmed that had been taken into consideration. Michael asked if there was to be an acceleration lane and Jimmy answered no and that this was due to the tendency for drivers to turn out, rather than give way, when those lanes are in place. Mark felt that there had been good feedback from the Public Forum and Deidra agreed, confirming that MAC will organise another information session soon.

Mark queried the split of the Windmill property, where there is a division of lease properties, with his concern being around public access and for farmers to be able to move cattle across the road. James confirmed that MAC will be providing a new access to the Windmill property and relocating that to also make it safer.

Rosemary queried the location of the new road and James identified the alignment of this through a corridor that is based on MAC's current Approval, and that the company will continue to operate within this Approval to 2026. Rosemary asked if mining will go up to where the new road is to be located and MAC confirmed they have the mining approvals and that their current approved Mining Lease is publically available.

Rosemary asked if there was potential for the road to be moved again and Mark advised the road will need to go back and be raised to the same level. Deidra noted that at no time will Edderton Road be closed until the new road is open and asked that if people ask the CCC if they will lose that access, the answer is no.

10. Property Management - Dora Sotiris

Dora advised that she had been made aware that there were concerns about pest management on leased properties and advised that each property has a Licence Agreement in place and lease holders are to undertake pest management. Dora added that MAC conducts annual audits, keeps a close eye on activity and confirmed that a lot of lease holders were doing a good job in this area.

Jimmy noted that there had been questions raised around irrigation and if the land along the river was being utilised and Dora confirmed that all Licence properties on the river were being used. Mark confirmed that he had talked about the land on the alluvial flats and had conveyed his discussions with farmers, that were not mining issues, but around the costs of water as this was inhibiting their ability to produce crops. Mark noted that it had been brought up at a Council Meeting that there are a lot of properties on the river front and the question had been asked if there may be potential to help farmers grow more hay, at a time where there is not enough feed due to drought, by assisting farmers with their water costs. It was confirmed that NSW Government has provided subsidies due to the drought conditions and MAC was concerned that this may be seen as giving some tenants preferential support over others.

Jimmy asked about taking a step back to the leasing process and Dora advised that when properties become available i.e. up for tender, that there are open days and the opportunity for people to put applications in. That does not mean the highest rental is the most suited, the company reviews what improvements may be proposed e.g. putting in new irrigation and/or undertaking work to infra-structure such as sheds, and these works to improve the property in the long term weigh heavily on what MAC base their decision on when selecting the most suitable applicant.

Mark felt more control could be gained if the company moved from Leases to Contracts and MAC advised that pest management communication is more around notifying lessees that the company is going to bait and the preference for them to bait at the same time. Dora confirmed that baiting had been conducted in April / May and that she had touched base with licence holders to let them know, so their baiting could be done at the same time. Dora noted that the lessees also have their own pet/working dogs so it is their preference for baiting to be conducted at the same time. Jimmy confirmed that Lease Agreements require tenants to manage pests and weeds as required.

11. Mining Dialogue Presentation - Presented by Craig Milton

Presentation to be circulated with Meeting Minutes.

Members were provided with the handout; NSW Mining Upper Hunter Mining Dialogue - November 2018 News Col asked if the CCC could be provided with detail on members of the Mining Dialogue Steering Committee.

Actioned Post Meeting: Deirdra provided the detail to the CCC that she had received from Craig about the make-up of the Upper Hunter Mining Dialogue Committee, also captured below:-

Joint Advisory Steering Committee members include: David O'Brien - Glencore (Chair), Scott Fittler - Yancoal, Sarah Withell - BHP, Geoff Moore - Bloomfield Group, Mark Ihlein - Singleton City Council, Di Sneddon - Community representative, Alisa Evans/Sharon Pope - Muswellbrook Shire Council, Jim Morgan - Community representative

Member feedback & discussion:-

In regard to diversity, Mark would like to see a viewing area out from mine sites with parking bays so that travellers can pull up and learn about the mine via a billboard i.e. this is what the land was, this is what has been done and this is what it will look like. In addition, to show some examples of rehabilitated land and also of cattle production on rehab sites. Mark feels this ticks a box on education and may increase tourism by encouraging people to the area to take a look. In addition, Mark felt mine tours would be valuable for people to be able to take information away and felt there may be a good opportunity to get the CCC involved with these. Craig felt that in terms of billboards, these had been raised and may be subject to individual site issues, he agreed with Mark that there is the need to get more out to community on rehabilitated land and how the Geofluc works.

Mark noted that no one seems to talk about carbon neutral aspects in industry and that he had read articles about a wind farm where it takes 29 years before one wind tower becomes carbon neutral and provided another example of a power station taking 43 years. Mark would like to see those type of subjects as part of the mining dialogue i.e. what carbon neutral means.

Craig gave the example of feedback from a community member who had felt it would be interesting to have people, including mining personnel, provide commentaries for train travellers from Muswellbrook to Singleton i.e. what site they are looking at and what they produce. Mark feels that Education and Tourism are the key concerns, he noted that Wollombi National Park is about to be opened up in the Blue Mountains and he would like to see the Muswellbrook side also opened up to encourage more people to this area to go bushwalking, he feels there is a great asset here.

John advised that he had attended a Minerals Council Meeting a few years back and asked where the funding comes from for the Upper Hunter Mining Dialogue. Craig responded that it is funded by Industry with nine Metal Companies in the region committed to the Dialogue. Craig advised the Minerals Council provide Secretariat support and confirmed the desire for community to get involved to drive potential initiatives.

12. General Business - Community Feedback

John Bancroft

John would like to ask about cumulative impacts, as there doesn't seem to be any relationship between what mines do and cumulative impacts, he felt that the Department does not seem to have anything to do with this i.e. how to take what mines do related to other mines. John feels if there is not any communication between the mines, there will not be an understanding on what is happening collectively and asked how is the community to know that cumulative impacts have been addressed.

Michael responded that every Environmental Assessment has aspects around that and he would need to seek detail from his Office on how that may be incorporated into Conditions. In that regard, Michael would like to bring in another Director from the Department to present to the CCC on cumulative impacts. Every Environmental Approval talks about regional contexts and other mines in there, and Conditions of Consent are about the co-ordination of dust management activities. Michael feels there needs to be a protocol on communication listed in mines consents to talk about dust management with mining neighbours. Deidra noted that there is an area in the 2014 consent stating that MAC, Bengalla and Drayton should communicate in relation to dust management and also blasting and she confirmed that they do make each other aware when blasting.

Rosemary Munn

Rosemary noted that MAC had raised vermin and the targeting of foxes and dogs and feels there is also a big need for feral pig management. Rosemary explained that pigs are located on the creek and that she had seen one pig and four piglets when driving past Bengalla. Rosemary feels that trapping gets better results. Di confirmed she had also experienced issues around wild pigs at Jerry's Plains and the amount of pigs that residents have had to deal with over the last 12 months were of great concern. Di said this also includes pigs travelling across the river to Maison Dieu. Di said the damage pigs had done to pasture was a big issue and that there is also the potential for them to bring disease onto properties. Di feels the mining industry as a whole should have a collective plan in place, particularly as there are so many areas of land that are locked up and not used. Di would like to see industry get together, and along with Lessees, run feral management programs together. Mark agreed that pest issues track all the way from Muswellbrook to Mount Thorley and would like to see all mines in the area conduct pest management practices at the same time.

Jimmy confirmed that MAC had not had any reports around sightings of wild pigs and felt that it may be a bit of an ask for pigs to travel from the alluvials up to MAC's area, but acknowledged the entry to Bengalla was a bit closer to the river. Jimmy advised that MAC do listen to their workforce and that Lessees are accountable and whilst there had not been any reports of wild pigs on the companies land, he asked that the CCC keep MAC informed around feral pig sightings as if there is anything they can do to help, such as push them into a firearms or bounty system area, they would try to do so.

Jimmy advised that MAC deal with Hunter Local Lands Services and encouraged the CCC to touch base with them if they feel pest management is not being addressed. Col felt it might be good to invite a representative from LLS as a guest to a future Meeting to touch base with the CCC.

Actioned Post Meeting; Jimmy made contact with Local Land Services in Singleton regarding pig management and provided an email report to the CCC on advice and reports he had received back. Jimmy advised the contact at Local Land Services is; **Matt Kennedy – Biosecurity Officer : Hunter Local Land Services :Singleton Office | 98 John Street | SINGLETON NSW 2330 M:0428 686 178 | T:+61 2 6572 2944 | E:Matt.Kennedy@lls.nsw.gov.au | W:www.lls.nsw.gov.au**

Mark Bowditch

Mark advised from both a Council and Community aspect that Mangoola Rural Fire Shed was about to be opened and that Rural Fire Services do not have a lot of volunteers. Mark asked if MAC and also other mines could talk to their employees to see if they would like to join and lift the numbers within the Rural Fire Services. Deirdra confirmed there are definitely MAC employees who are volunteers within the Fire Services and asked Mark to send some detail for MAC to share on their Comms Site for their employees to take a look at.

13. Next Meeting & Meeting Close

Monday 11 February 2019 at 9.00 a.m.

ACTIONS ARISING FROM THIS MEETING

ACTION 1: In response to a query from Mark, Jimmy to provide a summary of the MAC seed mix used for rehabilitation as per MAC's Approval.

ACTION 2: In response to a request from John, Jimmy to investigate if MAC can present graphs for High Volume & Dust Depositional Monitoring Data and provide that data as a figure.

ACTION 3: In response to feedback from Mark & Rosemary, Jimmy to add additional comments to the Pre-read going forward around location and detail of the issue when reporting elevated results for Water Monitoring.