



MT ARTHUR COAL
COMMUNITY CONSULTATIVE COMMITTEE MEETING
AGENDA
Wednesday 20 June 2018 at Mt Arthur Coal

	Agenda Item	Responsibility
1	Welcome by Chairperson	Chairperson
2	Apologies	Chairperson
3	Declaration of pecuniary interests	All - Standing declaration
4	Approval of the previous Meeting Minutes	All
5	Matters arising - Action items	Chairperson
6	Update from BHP * Environment * Operations * Community	Jimmy Nixon Damien Perkins Kat Stojakovic
7	Specialist Presentations * The Inclusion and Diversity Committee - Update * Depressurisation of coal seams	Kirsty Liddicoat & Fernando Lopez Peter Hyland
8	Open discussion : Future CCC format	All
9	General Business	Chairperson
10	Next Meeting	Chairperson
11	Meeting Close	Chairperson

20 June 2018



Chairperson

Independent Chair MAC CCC

Manager Community BMA BMC NSWEC

Corporate Affairs

Manager Production Planning

Environment Specialist

Update

Engineer - Projects

Manager Production Coal

Mine Geologist

Community Representative

Community Representative

Sarah Purser

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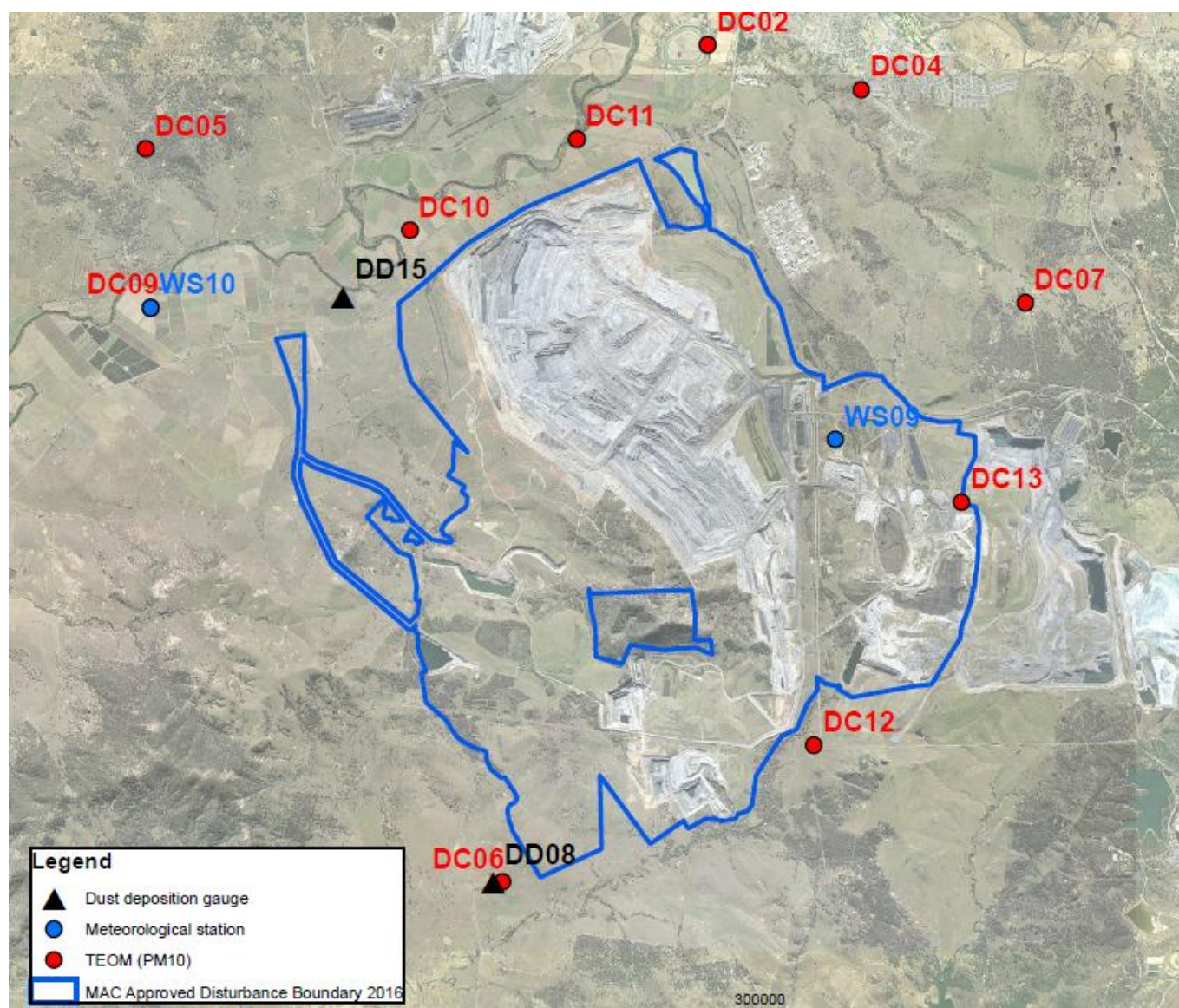
6. Update from BHP Billiton

ENVIRONMENT; Presentation by Jimmy

In response to a request from Mark - Jimmy to investigate if MAC are able to provide a more visual type representation to indicate where dust monitoring is located both in and around the Pit, prevailing wind direction, and if there had been elevated results during the reporting period.

✓ **Actioned;** Monitoring location map provided by MAC.

Air Quality Monitoring Network Map



Source : MAC CCC June Presentation : Slide Reference # 8

Jimmy to liaise with John to clarify the air quality monitoring data he had been seeking.

Actioned; Jimmy confirmed that the results for monitoring sites DC02 Racecourse and DC04 Sheppard Avenue had been included in the MAC CCC Pre-Read Report. Jimmy conducted a session with John after today's Meeting close.

Detail to be provided on MAC's Engagement Plan that is in place to respond to incident or emergency, and the MAC team that are involved.

- ✓ **Actioned;** The company provided the following overview of MAC's Emergency Plan.
- ✚ As per legislative requirements, Mt Arthur Coal consults with external emergency services during the development of their emergency plan and following any significant revision to the plan.
- ✚ As per legislative requirements, this emergency plan is tested annually.
- ✚ Site access for external emergency services is facilitated using the BHP Training and Access Management System (TAMS) that incorporates a Site Access Centre (gatehouse access system), manned 24/7 by qualified personnel.
- ✚ In the event of an emergency requiring site access for external emergency services the Site Access Centre has full access to line-of-site visibility + CCTV/radio/telephone systems to facilitate entry to vehicles and emergency services.
- ✚ The effectiveness to implement MAC's emergency response processes have been sufficient, demonstrated with positive feedback from both Coal Services Mines Rescue and Department of Industry and high accolades in the NSW Mines Rescue Open Cut Competition (Back to back State Champions, 2016 & 2017).
- ✚ Due to the internal capability of the MAC ER Team, it is not foreseen there will be a need to rely on external services to support during emergency events and there are no identified risks of exposure for external emergency services.

OVERVIEW OF OPERATIONS; Presented by Damien Perkins

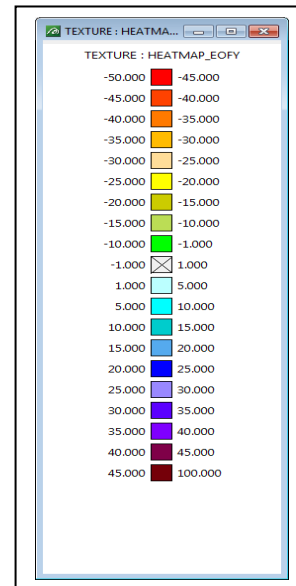
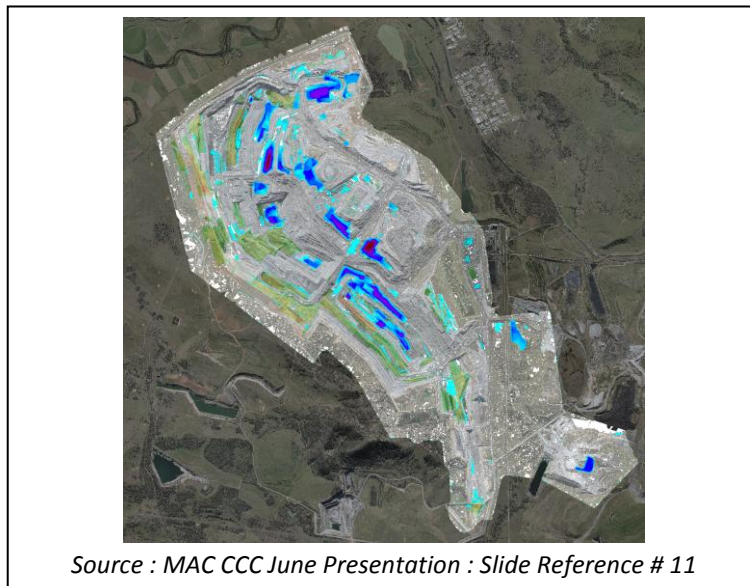
	Last 3 Months	Previous 3 Months	Previous Year 3 Months		
Production Information	Jan-Mar FY18	Oct-Dec FY17/18	Jan-Mar FY17	Q-on-Q Difference	Y-on-Y Difference
OB Movement (Mbcm)	25.3	25.0	23.2	1%	8%
Coal Mined (Mt)	5.2	4.9	6.1	6%	-17%
Coal Uncovered (Mt)	5.6	5.1	6.7	9%	-20%
Product Coal (Mt)	3.7	4.4	4.6	-19%	-24%

Damien noted that the quarterly reporting has now been aligned back to BHP and this period is for the January to March 2018 position.

- ✚ **Overburden Movement & Coal Mined;** The results indicate the measure of consistency of fleet on site and there had not been a lot of equipment movement. MAC saw some new machinery on site post Christmas and overburden movement will be at a relatively steady state in the order of 25 to 27 Mbcm going forward.
- ✚ **Coal Uncovered;** Quite similar results for uncovered coal.
- ✚ **Product Coal;** May see an increase in Mt to 6 to balance out the year to overall target and looking good for the same figures as last year.

North - Heat Map

Actuals - 3 Months : January to March 2018



For slide referencing; **Green** indicates where material is being moved from and **Blue** is where material is going to.

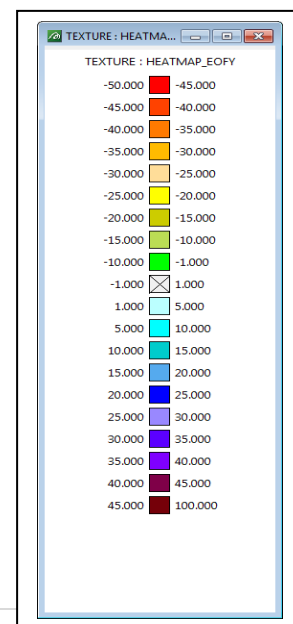
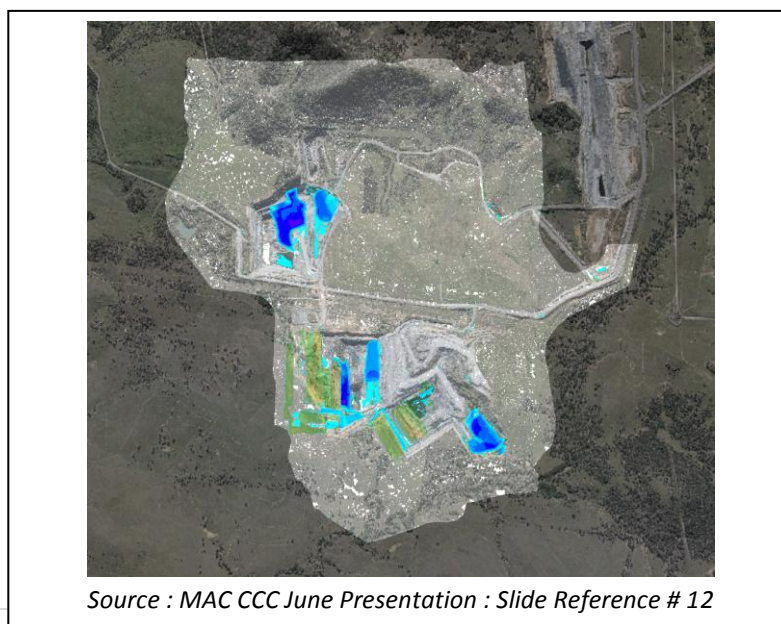
Damien advised the surface at Saddlers had been added to mapping as that area is coming up next and of the importance to continue rehab on the north east corner of operations. MAC will orientate the Maclean ramp in advance of strips and once out can rescale the road, release material and program rehabilitation more quickly. Damien advised there is a significant amount of dumping required to close that off.

Damien noted that a normal scale of mining will continue on the western side to the east. There will be some dumping seen in the Airdale area and trucks going back through Snake Gully and often further to the south. The public power line move is anticipated for a about 12 months time.

John asked where the overburden from the Edderton Road / western side of the pit goes ? Damien responded that most of this dirt gets transported under Denman Road to the right hand side of mapping and for slide referencing the **blue** and **purple** indicate this dump space.

South - Heat Map

Actuals - 3 Months : January to March 2018



At Saddlers North dumping will be accelerated to the hill side to rehab. For slide referencing rehab is indicated by white line. Saddlers Central / South had been progressing normally, the pit has been out of operation due to an interruption caused by a wall failure that MAC had to report to Regulators. Damien explained that wall failures are not untypical for mining and provide a test for operational controls and subsequent review around the cause.

Mine Progress - FY18-22

NORTH



Source : MAC CCC June Presentation : Slide Reference # 13

In terms of mining, there is normal progression to the west. Airdale is progressing to the right and a larger sequence had been stopped in this area due to the dump being full. Once opened up for more space the program in that area will re-commence and run west again in line with the rest of the pits.

Environmental Improvements

- ✚ Weed management scope of work for FY18 has been completed.
- ✚ Denman Road Visual Bund Improvement Project is currently underway to partially revegetate the bund and provide screening along Denman Road with the focus being on re-plating out on the operational end..

John asked what activity was anticipated for the Edderton Road side ? Jimmy responded that MAC will do a bund and alluvial cut off wall next. **John queried the area where there was bentonite ?** Jimmy advised MAC are working on where to plant in relation to that structure. Jimmy noted that MAC are looking at a more staged approach for planting and will be installing a watering system as well to mitigate weather.

- ✚ Wild dog baiting program is underway for MAC with promising early results. The MAC program is aligned with the regional aerial baiting program undertaken by the Local Land Services.

Di asked if MAC had issues with feral pigs ? Jimmy responded that he had not received any reporting back and that MAC's contractors would notify the company if they saw any type of feral pig activity. **Di queried if MAC do kangaroo culls ?** Jimmy advised that MAC is working on permission to bring firearms on site and that approval is sitting with the General Manager, as there is the need to sign off on the safety aspect of having shooters on site. **Di asked how often MAC conducts wild dog baiting ?** Jimmy responding this program is conducted annually and in line with the Regional Program conducted by the Local Land Services as there had been more success when doing baiting on a regional scale. **Di queried if there was an indication of the uptake of baits ?** Jimmy answered that of about 32 baits laid approximately 25 had been taken.

- ✚ Aerial seeding of exposed areas for the purposes of dust control and visual amenity was undertaken on 27 April 2018 across Mt Arthur; a seed mix with fertiliser was applied.

Di queried what type of seed mix had been utilised ? Damien advised that MAC do not aerial seed native seed but rather utilise a combination of cropping mix and fertiliser as this is to provide a cover for overburden only for the purpose of dust control. Seeding that is conducted in final locations is more about reinstating the ecosystem. Damien acknowledged that growth is often seen as a response to rain and Jimmy offered to provide pictures of areas that had been aerial seeded if of interest to members.

ACTION 1: Jimmy to provide photographs of areas that have been aerial seeded at a future Meeting.

Environmental Performance

Elevated Environmental Monitoring Results (Period 1st March to 31st May)

- 8 days (20 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. These were reported to DPE.
- 2 days (4 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. These were reported to DPE.
- 4 occurrences within the reporting period whereby groundwater levels fell below trigger levels. These events were investigated accordingly finding MAC operations not a contributing factor. These were reported to DPE.
- 1 occurrence within the reporting period whereby a surface water sampling point returned an elevated electrical conductivity result. This event was investigated accordingly finding MAC operations not a contributing factor. This was reported to DPE.

It was acknowledged that some fall in groundwater levels were a natural result of continued dry conditions and the surface water occurrence was due to that location drying up to the point of being a muddy area.

Environmental Incidents

MAC received an official caution for an investigated event on 14th of December 2017. The DPE labelled it as a "failure to comply with conditions in the approval". The investigation was from an elevated dust level at DC09, technical issues resulted in compliance to the TARP not being adhered to for a short time period. No further disciplinary action will be taken.

MAC to provide an update on the November 2017 Show Cause from the EPA; The case has been closed and the Company was issued with a fine and details can be found on the EPA website.

ACTION 2: Col asked that MAC notify the CCC of any incidents that are reported to the Department, out of session and as incurred.

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#>

There was a general discussion around what environmental reporting members would like to see and also the most helpful format for MAC to present data. Jimmy noted that the scatter graphs were in response to Mark's interest to see prevailing wind conditions and that the company had the idea to provide MAC's contribution in one hourly average being a higher frequency than the 24 hour average.

John advised that he liked the way MAC had presented data in a graph format. John was also interested in detail around where monitors were located and their individual readings, he felt that if there was an exceedance then this would help him to explain if MAC had been a potential contributor, or not, due to wind conditions. John would also be interested in how dust trends particularly in relation to whether it gets worse over certain months of the year. John advised there is real concern within the community about dust, where it is going and questioning about who will take responsibility for it.

Col asked that rather than providing all the monitoring data, if MAC could identify monitoring sites where there had been the majority of occurrences and provided as an example; "Of the 20 occurrences during this reporting period, the majority were at *particular* monitoring sites". Jimmy noted that Sheppard Avenue DC02 and South Muswellbrook DC04 had been identified as the point of interest and that MAC would be happy to continue to provide data from these two monitors.

John advised that at previous Joint MAC & Drayton CCC Meetings, the companies data had been presented on a graph that was overlayed with data from the Upper Hunter Air Quality Monitoring Network and that had been really helpful to see how dust in general had been trending. Damien felt the priority for MAC was to provide the monitoring data that members were seeking as the first step and then the company could investigate if they are able to access and present data with the UHAQMN overlay.

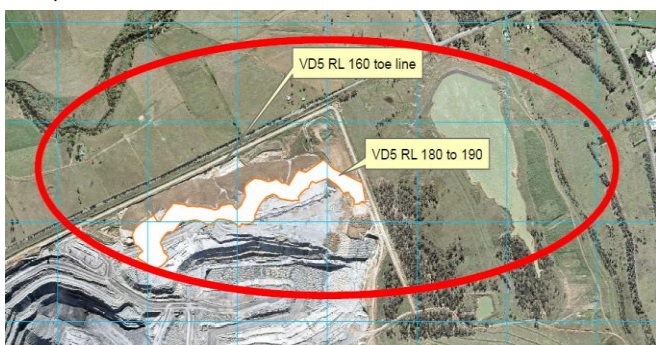
Information session on the latest activity at Mt Arthur Coal; held Thursday 26 April.

Di advised that she feels that the community events held by MAC are important and likes to attend these, both John and Di would appreciate more advance notice from the company about these.

Rehabilitation Update

The completion of FY18 rehabilitation areas in line with the Mine Operations Plan (MOP) is underway and due for completion by 30 June. Bulk shaping and topsoiling has been completed with seeding underway.

- + VD 5; Denman Road
- + CD1; West of MAC CHPP



COMMUNITY - Presentation by Kat

Complaints

Kat advised there had been 16 community complaints for the period March to May 2018 and provided an overview on type and location. Kat explained that callers are now directed to an answering service where they will be asked for a brief description. The persons detail, phone number and location is then communicated to the company via SMS. From there the OCE's will return the call and seek more information, for example with lighting this would be to identify the location, MAC would then conduct an investigation and if necessary lighting would be adjusted or moved, and checked via a call back.

John felt that there was a problem with lighting that sat on top of a hill above the horizon that shines out like a star. It was John's understanding that all lighting would be facing inwards but it seems there is a problem with it facing towards Muswellbrook and Roxburgh Road. Damien confirmed it is MAC's policy to face lighting inwards and that placement does not impact on community, in response to any problems there is the need to go out and observe to understand any issues that are raised about lighting.

ACTION 3: Damien & Kat to continue to keep the CCC informed about issues reported by community around lighting, including problematic locations and actions undertaken.

Community Support

Members were provided with a hand out detailing BHP's Benefiting My Community Program; BHP's refreshed approach to providing small financial contributions to selected community organisations of up to \$10,000.00 for activities, initiatives and events.

Through Benefiting my Community MAC will be supporting the following applications:

- ✓ St Catherine's Catholic College – Environmentally Sustainable Play Ground
- ✓ Singleton Library Book Seats
- ✓ Camp Quality – School Education Program (Sunshine Coast – Newcastle)
- ✓ Upper Hunter Community Services – Skate, BMX & Scooter Competition & Workshop

John queried who in the company is responsible for decisions around that funding ? Kat advised that sits with Corporate Affairs and Chad added that to get a improved understanding MAC has incorporated a broader section of site to make those decisions with a better sense of community and being geared to being responsive to their needs

- ✚ Ongoing support of Muswellbrook Chamber of Commerce monthly breakfast events & Singleton Business Chamber events, including recent Business Awards celebrations
- ✚ Sponsoring the 2018 Aberdeen Highland Games
- ✚ MAC has nominated the Community Capacity Building Project, their partnership with Upper Hunter Community Services, for a NSW Minerals Council HSEC Award

Council VPA money is being used for a swimming pool upgrade and performing arts centre

- ✓ Regional entertainment and conference centre: \$434,000; and
- ✓ Muswellbrook Aquatic Centre: \$480,000

ACTION 3: Kat to provide detail on the location of the Regional Entertainment and Conference Centre.

Jimmy to provide detail on year to year performance for MAC's success rate with tree planting.

There is ongoing ecological monitoring that assesses the progression towards the final landform criteria (as stated in the Rehabilitation Strategy). If there is a deviation from the plan, recommendations from that assessment are implemented, which may include planting tube stock in areas that require it. Actual counting of trees does not necessarily add any benefit as the closure criteria is more focused on a sustainable system rather than a total number of trees. It is common for rehabilitated areas to be over planted or replanted to ensure the final landform criteria is met.

7. SPECIALIST PRESENTATIONS

Local Inclusion and Diversity Council at MAC - Kirsty & Fernando

Kirsty and Fernando explained there is a group of MAC employees who value diversity and inclusion that wanted to contribute to this key initiative of the company and provided an overview on what is Inclusion and Diversity and why it is important. Detail around pillars and primary outcomes were shared with the CCC members.

Depressurisation of coal seams - Peter

Peter laid out hard copy mapping and provided an overview on ecology and the two main ways that water travels; via the Hunter River north of MAC and the actual water in coal seams themselves.

Peter identified the main irrigation country around the old Hunter alluvials that are good river flats and the path that water travels through that area out of Glenbawn. Typically on the alluvials is where the fresh and sweet water is.

Peter indicated the old permian land where MAC is currently mining and explained that this follows the dip of coal as the pit advances to the west, he explained that this is not on alluvial country. Peter advised that ahead of mining there still is water, behind mining it has been de-watered.

Looking at surrounding farming, Peter explained that mining activity is upstream and that MAC is regionally located on a fold, dipping to the west and east.

John queried where does water go that is in the Pit ? Peter advised that MAC is always actively pumping and that water goes into their industrial dam.

John explained that community feedback had been that wells on the flat were drying up and becoming more saline. Jimmy explained that at the previous CCC the discussion was around the movement of water and confirmed that water in the system below does not transfer up to the top alluvial plain. Jimmy felt that water may be more saline due to the continued dry conditions.

8. CCC Format

Timeline Proposal for discussion and endorsement to be presented by MAC.

✓ At today's Meeting.

The timeline proposal is a logistical initiative based on aligning meetings with reporting periods, Jimmy explained that a lot of reporting in the Environmental space is based on financial years, so there are benefits there. It was agreed for the next MAC CCC meeting to be in August and to transition to the new quarters going forward; November 2018, February 2019 and May 2019.

WHAT	TIMELINE	WHO	INTERNAL TIMELINE & ACTIVITY
Notice of meeting and call for agenda items	4 Weeks Prior to Meeting (Monday)	Chair	4 weeks prior – internal meeting: first draft of presentation, review agenda items, review Pre-read Report
Agenda items close	2 Weeks Prior (Monday)	Chair	3 weeks prior – internally circulate material for approval
Confirm agenda items for inclusion - Agenda & pre-read report circulated via email + Drop off material at pick up point	1 Weeks Prior	Chair	1 weeks prior – finalise presentation, agenda, and pre-read Report
Meeting	2nd Monday of 2nd Month of each FY Quarter i.e.: Nov, Feb, May, Aug	All	---
Meeting minutes circulated	3 Weeks after Meeting	Minute Taker	---
Provide feedback and final meeting minutes circulated + Meeting minutes sent to library and posted to BHP website	4 weeks after meeting	All	---

John said the CCC Guidelines indicated that the Draft Minutes should be circulated within one week of the Meeting and be approved by the Chair within two weeks. There was a general discussion around the standard and level of content of the MAC CCC Meeting Minutes. Col advised that the Guidelines are in place to be used for direction, however there is the reality and practical side of the Meeting Minutes preparation.

It was felt that to produce the Minutes within one week would result in a considerable reduction in the level of detail. John advised that there had been significant improvement in the Meeting Minutes since being prepared by an independent and complimented both the Chair and Minute Taker, he did feel however that the process period was too long and that this also slowed the timing for when the Minutes were available via the company website.

Col advised that he would like to stay with the current three week lead time to ensure continuity in the standard of the Meeting Minutes but acknowledged John's preference and request for a faster turnaround of the draft Minutes and committed to checking in with the Department regarding timelines.

9. GENERAL BUSINESS; *Member Feedback*

Di

Di is happy with all correspondence from MAC to be sent via email, she did note that another company provides documents via email, then she also receives them via mail and felt that was a good system.

John

Col confirmed that correspondence from John had been circulated and that he had reviewed this thoroughly. Col felt the main points from John were around; reporting, advising members of reportable incidents/exceedances and distribution of media releases. John confirmed he would like to be provided with more information that he can take out to the wider community and confirmed he would appreciate advance notice of incidents and/or fines so as not to read these first hand in the press.

John noted that in the CCC Guidelines for Company representatives it suggests three Mine reps plus the person with direct responsibility for Environmental matters. John checked in with other Mines and found that most meetings have the Mine Manager and Environment Manager in attendance.

Jimmy explained that MAC do not have the same structure as other mine sites, this company has Department - Manager - Team. MAC's goal is to have the most appropriate representatives in attendance at the CCC forum to be able to address subject matter and answer any queries raised. Jimmy advised that is why he and his team are in place as they are matched to what will be talked about e.g. environment.

John acknowledged Jimmy's efforts and confirmed that he is happy to talk with him, John had just raised this as other mines seemed to have Senior Management at the CCC Meetings. Kat advised that Dawid Boshoff is the General Manager of this mine, based on site full time, and suggested that there may be an opportunity for David to introduce himself at the next CCC. John felt that would be appreciated as he could then relate to someone.

ACTION 4 : MAC to run through their Company Organisational Structure at the next CCC Meeting.

John queried if the Agenda, Meeting Minutes and data referred to in the Agenda i.e. Environmental information could be put together more as a package to be able to hand out and also rather than being uploaded separately onto the company's website. John felt it would help the community to be able to look at monitoring sites and noted that he and Di get asked if there is a map of monitoring locations on MAC's website.

Chad appreciated John's efforts and advised he can filter those questions through MAC's Community Departments and respond. Chad and Kat agreed to look at the potential upload of a package of papers to the website but noted that process would go through a much deeper vetting process that may impact on deadlines and committed to initially getting an understanding on what can go on the company website.

Col felt that it would be really valuable to have a Calender of events going forward and Kat advised this could be a topic for discussion and scheduling at the next CCC.

ACTION 5: Kat to include an Agenda Item for a Calender of Events discussion at the August Meeting.

John presented MAC with correspondence from a Denman resident for their attention.

Members agreed that when MAC share a large volume of data / documentation they would like this also sent in hard copy.

11.NEXT MEETING : 13 August at 9.30 a.m.

Actions Arising from this Meeting

ACTION 1: Jimmy to provide photographs of areas that have been aerial seeded at a future Meeting.

ACTION 2: Col asked that MAC notify the CCC of any incidents that are reported to the Department, out of session and as incurred.

ACTION 3: Kat to provide detail on the location of the Regional Entertainment and Conference Centre.

ACTION 4 : MAC to run through their Company Organisational Structure at the next CCC Meeting.

ACTION 5: Kat to include an Agenda Item for a Calender of Events discussion at the August Meeting.