



YANCOAL
Mount Thorley Warkworth Operations
Community Consultative Committee Meeting
Wednesday 27 May 2020

Attendance

Chairperson

Colin Gellatly

Independent Chair MTW CCC

Company Representatives

Jason McCallum

General Manager

Gary Mulhearn

Environment & Community Manager

Olivia Lane

Environment & Community Coordinator

Community Representatives

Ian Hedley

Community Representative

Adrian Gallagher

Community Representative

Stewart Mitchell

Community Representative

Toni Silk

Community Representative

Barb Brown

Community Representative

John Lamb

Community Representative

Stakeholder

Dr. Neville Hodgkinson

Singleton Shire Healthy Environment Group

Apologies

Cr. Hollee Jenkins

Singleton Council

Minutes

Sarah Purser

- 1. WELCOME;** Col welcomed all and introduced new members; Toni Silk, Barb Brown and John Lamb. This meeting was hosted via video and phone conference due to COVID-19. Gary and Olivia assisted members to remotely access the meeting and ensured all attendees were able to connect with MTW representatives and view the Meeting Presentation via video or hard copy.

MTW provided an update of the current CCC Membership, as endorsed by the Department of Planning, Industry & Environment (DPIE) as at 23 March 2020, inclusive of the two Alternate Community positions being held by; Graeme O'Brien and Denis Maizey.

- 2. APOLOGIES;** Advised and recorded.
- 3. DECLARATION OF PECUNIARY INTEREST / CONFLICT OF INTEREST; *Standing Declarations;*** Col advised that both he and Sarah are engaged by Yancoal to provide the services of Independent Chairperson and meeting note taker. Toni advised that her Business is on MTW's Voluntary Acquisition list with Yancoal. Col confirmed that he had provided new members with the "Declaration of Pecuniary and Non-Pecuniary Interests" when he sent out appointment letters for the new members, this document forms part of the DPIE's CCC Guidelines for State Significant Projects.

4. BUSINESS ARISING

Action Items arising from the 12 February 2020 Meeting

Action; MTW to provide the CCC with a summary of outcomes from the review of their Blasting Permissions that was conducted by an Air Quality and Dust Dispersion Expert engaged by the company.

✓ **Update this meeting**

Todoroski Air Sciences (TAS) were engaged to conduct an assessment of blast permissions at MTW and generate revised blast permission matrices for each of the mine's pits, using CALPUFF modelling that considers air dispersion in three dimensions. The aim of this work is to minimise off-site impacts of blast dust and fume emissions and included a case study of the blast dust event on 7 August 2019. For the benefit of new members, Gary explained that this blast dust plume travelled towards the Mount Thorley Industrial Estate (MTIE).

Gary advised that in the first instance TAS has conducted a review of MTW's existing blasting permissions and identified that these do improve the blast dust result compared to if there were no permissions in place. TAS also looked at and established some new draft blast permissions and MTW will conduct a review on how these compare with their current permissions.

A case study surrounding the blast on 7 August 2019 was built on to support the dust blast risk matrix developed by TAS. The modelled visible dust plume results were similar in scale and extent to the video images of the actual plume and monitoring results, which indicated that the scale of emissions and limit for identifying visible dust is suitable for use in the dust matrix, TAS prepared.

An extract from the conclusions of TAS's report; was that to best manage the operational risk of blast fume, dust and odour impacts, it is recommended that a predictive forecasting system be (established) and used in conjunction with the blast matrices as part of normal operational procedures. Gary confirmed that MTW already uses a predictive tool called EnvMet, which models blast plume extent and direction, and separately also predicts overpressure amplification. The EnvMet tool is used in conjunction with MTW's blast permission pages. Gary anticipated that MTW will receive revised permissions matrices from TAS in the near future and the next step will be for MTW to determine if they are applicable by reviewing how they perform, prior to electing to adopt them and updating MTW's current permissions page.

Stewart acknowledged that EnvMet is a predictive tool for overpressure and amplifications, he asked if it was also able to predict ground vibration. Gary explained the main function of EnvMet is to predict potential enhancement due to weather effects. MTW's predictions for blast vibration are completed by their Blast Engineers when they are designing the shots. EnvMet is not required to look at atmospheric dispersion and other modelling in the air as MTW utilise alternative predictive tools for that analysis.

Action; MTW to review their Blast Monitoring data to see if there have been any definitive changes in results for a period of 2 years.

✓ **Update this meeting**

Gary explained this data had been provided in response to comments Stewart had brought to the previous CCC that it had felt like there had been an increase in overpressure and vibration over time. Gary identified the six Blast Monitoring locations being at; Abbey Green, Bulga Village, Mount Thorley Industrial Estate (MTIE), Wambo Road, Warkworth and Wollemi Peak Road.

Two years data from all blast monitors 2018 – 2019 - OVERPRESSURE; results indicate that there had not been a definitive increase with the graphs showing a similar scatter over the last two years.

Two years data from all blast monitors 2018 – 2019 - VIBRATION; again a definitive increase in data could not be identified via the graphed scatters. Gary noted the levels were quite low at Abbey Green and there had been typical scatters for Wambo Road and Bulga type locations. Gary acknowledged there had been one raised vibration result over 5 millimetres per second (mm/s) at Wollemi Peak Road which had been the result of a Mount Thorley operations shot.

Neville queried the location of the Abbey Green blast monitor and Jason advised it is approximately 6 to 7 kilometres from the mine towards Singleton. Gary explained that this monitor is at a further distance from the mine and that monitoring located nearer to site will record closer vibration.

Neville noted that aside from overpressure and vibration, he was interested in how far MTW had progressed in modifying their blasting procedures in terms of working towards minimising any output into the atmosphere and analysis of drifting patterns, and queried how close these were in terms of implementation. Gary responded that the draft report on blast permissions from TAS is under review prior to MTW making the decision around their potential implementation. Gary acknowledged that blasts do generate dust and MTW's focus is on should there be a fume event or dust plume, that the company have an understanding where this may potentially travel and a major focus in relation to using blasting permissions is to minimise any risk to nearby sensitive receptors.

Gary explained that MTW had been using their blast permissions for many years and they had been satisfactory. As a response to the blast event in August 2019 that caused an issue at the MTIE, MTW have since conducted a full review of these blast permissions in an effort to ensure that will not happen again. Gary confirmed that the current status is that TAS have provided some draft permissions and MTW are reviewing these based on updated modelling.

Neville asked if MTW were changing the quadrants which permit blasts and Gary responded that MTW have established rules that are used internally and these were put forward to the DPIE as a guide for the company to make blasting decisions. Gary explained these are very detailed but in summary MTW review wind direction, wind speed and the location of the shot and from those evaluations then determine their decision to blast. Gary added that MTW also consider operational risks to their site and people and that all of those factors are taken into account on every occasion that MTW prepare to blast.

Action; Olivia to provide the location, via a road number, where the new TEOM has been installed on Wambo Road to the CCC via email.

✓ **Actioned post meeting by Olivia;** response provided via email 25/3/20 that the location is 367 Wambo Road.

Stewart felt the location of MTW's Wambo Road TEOM would be very close to the Wambo mine property, therefore in close proximity to both mines boundaries, he asked if this monitor would distinguish dust coming from Wambo mine as opposed to MTW. Gary confirmed that MTW's TEOM is a representative location for their dust emission, it is not a directional monitor but rather draws in any air that is coming past at any time and will report that.

Action; Olivia to confirm equipment downtime hours for YTD 2019 that had been in response to dust and distribute the MEMR Report for December 2019 via email to the CCC.

✓ **Actioned post meeting by Olivia;** detail provided via email 25/3/20.

Actions carried forward; Site Tour and viewing of Dispatch to be scheduled post COVID-19 Government Restrictions.

5. CORRESPONDENCE:

- ✚ CCC Update: Bulga Tavern (23/03/2020); Gary noted this outlined MTW's undertakings to assist this business deal with changes to Hotel operations as a result of COVID-19 and that these had been very well received by the Licensee.
- ✚ CCC Meeting Minutes Endorsed by the Chair –12 February 2020 (25/03/2020)
- ✚ CCC February Meeting –Response to Action 3 & 4 and Business Papers Appendix C –December MEMR 2019 (25/03/20)
- ✚ CCC New Members Approved by Department (Col) (27/03/2020)
- ✚ Welcome to New CCC Members including some information from MTW (27/03/2020)
- ✚ Notification of Amendment to May 2020 Meeting date (email 9/04/2020)
- ✚ Agenda & Business Papers (15/05/2020)

- ✚ 2018 Annual Environmental Management Report (AEMR)

A hard copy of the AEMR was mailed via request from members on 30 March 2020; Gary noted that more recently this report has also been called the Annual Environmental Review Report (AER).

Stewart queried when the 2019 AEMR would be made available and Gary responded that MTW submitted this to the DPIE at the end of March 2020, the process is for the company to wait until that report is approved by the DPIE prior to publishing and distribution.

Stewart was under the impression that the AEMR's would be out by April of the following year but that does not seem to be happening, for example; the 2018 AEMR had just been released and that reports incidents that happened two years ago which Stewart felt was a bit late. Gary was not aware of any guideline to indicate that time line and explained to Stewart that the process does not normally take that long but it can take a few months given that the Department receive a large number of Annual Reports and they have to conduct their own review and approval process.

Gary added that on occasion the DPIE will respond with questions to the mines that are required to be answered, hence the process may go back and forth for a period and that had been the case with MTW's 2018 AEMR. Gary confirmed that the information contained in the AEMR is published monthly on MTW's website in the form of their Monthly Monitoring Data Reports and in addition MTW report to their CCC in the interim in the lead up to preparing the AEMR for the year.

Stewart explained that he found it easier to do comparisons when the annual figures were available, rather than to review these from month to month. Gary confirmed that the monitoring data is available, it is just the official AEMR report that takes some time to go through the processes and that is the required reporting procedure for MTW.

Neville had noted that the 2018 AEMR had provided MTW's Aboriginal Heritage and the Historic Heritage Reports as an appendix and asked if that would be the case for the 2019 AEMR. Gary confirmed that those reports have been included in the 2019 AEMR that MTW have submitted to the DIPE. Neville asked if those reports could be released to the community or uploaded to the company website and Gary responded the reports do not go on the website but MTW can provide these to the Community Heritage Advisory Group (CHAG).

ACTION 1: In response to a query from Neville, MTW to provide the 2019 Aboriginal Heritage & Historic Heritage Reports to the Community Heritage Advisory Group (CHAG).

6. **CONFIRMATION OF THE PREVIOUS MEETING'S MINUTES;** Col advised that following the comments period close these Meeting Minutes had been updated to Endorsed by Chair, the 12 February 2020 Meeting Minutes were formally confirmed at today's meeting.

7. PROPONENT REPORTS AND OVERVIEW OF ACTIVITIES

MTW Operations

- ✚ *MTW have continued their Mining production activities in Warkworth and Mount Thorley Operations.*
Gary added that MTW are working to complete their coaling in the Mount Thorley Pit in 2020, then operations for coal mining will continue in the Warkworth area.
- ✚ *Dragline 102 continued to operate in Lodgers Pit South and will commence its final strip in June 2020.*
- ✚ *Dragline103 has been working in the lower passes of West Pit and North Pit.*

- ✚ *Dragline 101 was parked up in West Pit South during February.*

Gary noted that it had been previously mentioned to the CCC that Dragline 101 can currently be seen when driving along the Putty Road, where it is parked up in care and maintenance.

- ✚ *Coal processing and train loading normal operations.*

EXPLORATION

- ✚ *Exploration activities have continued within the current leases.*

These works are both within the Pit and MTW's disturbance area and located between the mine and Watts Track, these will continue for 2020.

NORTH OUT OF PIT DAM (NOOP)

- ✚ *NOOP is an approved dam in Warkworth Continuation Project development consent SSD-6464 and will provide improved water security / balance position at MTW.*

- ✚ *Infrastructure and test blasting was initially completed in 2019. Some facilitating infrastructure and preparation will continue in 2020.*

- ✚ *North Out Of Pit (NOOP) main dam construction has been postponed to 2021.*

Gary advised members that MTW continue to include the NOOP in their company updates as whilst construction of the main dam has been postponed to 2021, MTW will move some mining operations up there to conduct some more minor infrastructure works, so residents may see some activity around the north area this year.

MONITORING:

Operational Downtime; January to March 2020

For the benefit of new members, Gary explained the acronym CRO stands for Community Response Officer. Gary explained that MTW have their CRO's out every night conducting noise assessments. In addition, the CRO's are active during the day conducting dust assessments and responding to real time noise and dust alarms. Gary advised that should a noise assessment be found to be above MTW's trigger the company will make operational controls. Gary explained the process is that the CRO feeds back information directly to the Shift Supervisor or Open Cut Examiner (OCE), who will then undertake some change in operations in terms of location or numbers inclusive of whatever actions are required to reduce those noise levels to within the limit.

Olivia provided an overview on the downtime total of 380 hours, advising that 271 of those hours were for dust downtime and 109 were for environmental delays i.e. attributed to noise. Olivia noted that in terms of the hand held noise monitoring that occurs at night, the CRO's completed 1,856 assessments in the period January to March with 12 individual assessments being above trigger during that time, the number of nights those were attributed to was 9 in total.

REHABILITATION/DISTURBANCE 2020

Rehabilitation target for 2020 -64Ha seeded

- ✚ Progress to end of April:

- ✚ Shaped = 18.1ha

- ✚ Ready to Seed = 7.0ha

- ✚ Key works for Quarter 2 2020 (April to June)

- ✚ Bulk shaping in Mount Thorley Operations (MTO) and North Pit North (NPN)

- ✚ Topsoiling and composting in MTO and NPN

- ✚ Seeding of new rehab in MTO, CD Dump and NPN

- ✚ Stage 2 Seeding; which is the final vegetation communities.

WEED MANAGEMENT Q1 2020 & BIODIVERSITY AREA (BA) Q1 2020:

Gary confirmed that weed management is a process that is continuously undertaken by MTW, including in their biodiversity area. Gary advised that over 96 hectares had been treated and provided an overview of the species that are targeted in response to weed surveys conducted in the area during the previous year.

MTW BIODIVERSITY AREA (BA) PLANTING PROGRAM 2020:

MTW have commenced the Warkworth Sands Woodlands planting program for 2020, inclusive of sand movement from pre-strip areas over to the northern Biodiversity Area, with planting scheduled for July. To conduct that work MTW undertook some track maintenance in April to allow access and established a gravel pad to place the sand. Weed control is underway and tube stock propagated. Sand will be hauled to the planting areas and spread over the 2020 strips in May to June.

ACTION 2: In response to a query from Stewart, MTW to provide detail on how many tonnes of Warkworth sands that have been transferred to Archerfield to date and the predicted total amount that will be transported.

Infill planting of Warkworth Sands Woodland and central Hunter Grey Box – Ironbark Woodland will continue at the Southern Biodiversity Area; 21.5 hectares of Yellow Box – Grey Box – Red Gum grassy woodland and 24.2 hectares of River Oak riparian woodland will continue at the Goulburn River Biodiversity Area.

VERTEBRATE PEST MANAGEMENT 2020

Gary confirmed that MTW had sent out notifications in relation to MTW's Vertebrate Pest Management processes. Gary provided an overview of the 2020 programs that will be coordinated with the Local Lands Services (LLS) and other large landholders in the areas, this will ensure that all programs are undertaken at the same time across the broader Hunter Valley areas.

BUSINESS PAPERS

- ✓ Business papers provided to CCC prior to meeting, include summary of; Complaints, Incidents, Environmental Monitoring, Rehabilitation, Website Uploads and Community Investment Update.
- ✓ Appendix C –MTW MEMR January and February 2020 provided and March 2020 will be distributed at a later date.

Gary queried if members had any queries on the information provided within MTW's Business Papers and no questions were put forward.

MANAGEMENT PLANS / REPORTING

Gary provided an update on Management Plans and reporting that MTW have undertaken in Quarter 1 2020.

- + *Notice of Licence Variation received 22/02/20 for WML Environmental Protection Licence (EPL) 1376. The draft was initially received by WML for review in October 2019 following the EPA's 5 year review of the licence.*
Gary advised that detail is available on both MTW's and the EPA's websites.
- + *MTW 2019 Annual Environment Review Report submitted to DPIE-Compliance, and DPIE-Resource Regulator 31/03/2020 in compliance with the requirements of development consents (SSD-6464, SSD-6465), and mining tenements for MTO and WML.*
Gary explained the Annual Environment Review Report (AER) is submitted to both the Resource Regulator and the DPIE, as is required by the mining leases and development consents.
- + *MTW MOP Amendment C and updated Rehabilitation Cost Estimates for Mount Thorley and Warkworth were submitted to DPIE-Resources Regulator on 31/03/20 to satisfy the requirements of the s240 notices issued on 5/03/20. The MOP Amendment also updates the final landform for South Pit, and updates the tailings deposition schedule for earlier use of Loders tailings storage facility.*
Gary noted that MTW have submitted an updated Mining Operations Plan (MOP) which is also utilised as MTW's Rehabilitation Management Plan through MTW's consents. Gary explained that the MOP is required to be approved by the Resources Regulator and was submitted at the end of March. The MOP outlines some amendments to MTW's final landform for the south pit whereby MTW will be starting to move waste into that area to fill and alter that landform.

ACTION 3: MTW to present mapping/diagrams at the August CCC Meeting on the proposed final land form for South Pit; to indicate how that is projected to look as contained in MTW's Mining Operations Plan.

This MOP also shows an updated deposition schedule for tailings. MTW have an approved Tailings Storage Facility (TSF) in the Loders Pit in Mount Thorley operations that MTW plan to bring online this year, the updated MOP outlines the timing of how that deposition schedule will change with that TSF coming online.

Stewart asked in relation to the Tailings Facility that will be established in Loders Pit, how does MTW intend to transport the tailings themselves. Gary responded that tailings are pumped i.e. MTW pump from their north and south plants to their Tailings Storage Facilities (TSF) where they are deposited. Additional flocculants are added and the water that is decanted is returned to operations, so just the sedimentation from the tailings goes into the dam. Stewart asked if MTW will also pipe tailings from the Warkworth Pit and Gary confirmed that is correct, MTW already do this to their centre ramp TSF and when the destination is changed to Loders pit those pipelines will be moved over.

- + *An Independent Environmental Audit (IEA) was conducted from 27 to 30/4/20 by Hansen Bailey. The IEA is required under MTW's development consents (SSD-6464, and SSD-6465) every 3 years.*
Gary advised this IEA is required to be conducted under MTW's development consent for Mount Thorley Operations and the Warkworth Continuation project and that it is MTW's responsibility to engage the Auditors. This has to be done as an independent process whereby the DPIE are required to endorse the Auditors. Hanson Bailey were the consultant to be endorsed and completed their site visits at the end of April. Gary noted that MTW are expecting that audit to be completed shortly.

Barb asked if the IEA would be made available to the CCC and Gary confirmed that once the report is approved by the DPIE MTW are required to put that on their website and will make the report available to members. Barb asked if the IEA was funded by MTW or the Government and Gary confirmed that MTW's development consent requires the company to pay the full value of the audit and that it is reviewed by Government i.e. the DPIE who have to be satisfied that it is an independent audit prior to its release.

- + *The Water Management Plan was revised and submitted to the DPIE for approval on 30/04/20; Gary noted this plan had subsequently been approved in the week prior to today's meeting.*

8. **OTHER AGENDA ITEMS;** Col asked if there were any other questions on the Proponent reports, nil were put forward.
9. **GENERAL BUSINESS;** Col acknowledged that Ian had some items about dust that he had wanted to raise at today's meeting.

Ian believed that the levels of dust had improved but is still concerned about the amount of dust, particularly at night. Ian noted that when driving from Bulga to Mount Thorley early of a morning it is like driving on a dirt road and that on some occasions there is a tremendous amount of dust deposition on the road.

Ian noted that at his business premises located at the Mount Thorley Industrial Estate (MTIE) there continues to be large amounts of dust that falls on their equipment. Ian explained this is an issue particularly on his painted equipment that needs to be allowed to dry prior to being moved into the store, he asked how MTW monitor dust of a night time.

Gary responded that MTW employ the same dust monitoring methods that they utilise during the day time. MTW's real time monitoring system is located very close to operations and provides an early alert system which generates alarms at a predetermined trigger level that would cause the CRO's to conduct inspections to ascertain if the dust may have originated from MTW's site. Should that be the case, the CRO would then feedback directly to the OCE regarding any issue than can be addressed and Gary confirmed this is the exact process conducted both during the day and nighttime.

Gary added that beyond that process and in terms of monitoring external to site, MTW have air quality monitors continually running. In relation to depositional dust that Ian had raised, MTW have depositional gauges that measure for this, and in addition at near residence receivers MTW have compliance monitors for their consent.

Ian acknowledged that the CRO's are very visual whilst they are travelling around, he noted that whilst driving into Mount Thorley the week prior he had seen that the dust was fairly bad and had been going to phone to complain. Subsequently Ian saw a CRO located on the higher ground between Mount Thorley and the Warkworth Pit and stopped for a brief conversation. Ian noted that from where the CRO was located the dust issue was not visual, however Ian acknowledged that the CRO had advised him that the dragline had just been pulled up.

Ian believes the best way to really see the dust is to look towards where the sun is shining through it and understands why the dust is not visual when looking from the other direction, he reiterated his example of travelling from Bulga towards Mount Thorley of a morning where the dust is very obvious.

Ian noted that in response to some dust issues Bulga Coal had installed a site hut up on one of their higher ground areas and from that vantage point had realised that there had been dust that was not visual from the eastern side of their pit, Ian advised that this undertaking had proved successful for that operation. Ian asked if Yancoal had ever considered putting a monitoring station up on the ridge between the Loders and Warkworth Pits, he believes that is where most of the dust travels through due to the frequent north westerlies and is most likely the cause for the amount of dust deposition on the Putty Road.

Gary responded that whilst MTW do not have a monitor up on top of the ridge, they do receive regular data from what they call their dragline crossing monitor, which is located close to that area and is in place for the reasons that Ian spoke of.

Ian acknowledged that this subject had been raised previously and understands the CRO's cannot be everywhere at once but he felt that if there were inspections conducted high up on that ridge where you can see both Mount Thorley and Warkworth Pits, that there would not be the need to drive anywhere else, his main point being that is the location where dust is seen every day when driving from Bulga to Mount Thorley.

Ian acknowledged the CRO's for conducting their inspections, he felt a problem to come from them being very visual is that it causes some concern when for example they are observed parked up in front of the National Parks in the pouring rain and then when dust is bad, Ian has not seen the CRO's presence.

Gary added that dust visibility of a morning could be attributed to it being suspended in the air as a result of mist and that is frequently the case, he noted that dust does appear differently from whichever direction you go. Gary confirmed that the CRO's travel up to 400 kilometres in one shift conducting routine inspections, as well as reacting to alarms.

In relation to the CRO's being located at the National Parks near the RFS area, Gary advised that on occasion they are positioned there to observe blasts that MTW are conducting. Gary noted that the CRO's are often situated in certain areas for a number of reasons and that they are out there doing a very important job for MTW. Gary acknowledged that the CRO's will not always be seen given that they are out inspecting a wide variety of different areas.

Whilst MTW do rely on CRO feedback, Gary added that operations also rely on their many monitoring systems. In addition, MTW have their Open Cut Examiner and Shift Supervisors conducting internal inspections and therefore decisions are not only made from CRO inspections but from their own view of operations within the pit as well, so there are both internal and external processes in place.

Barb asked that given several parties had seen some benefit from having monitoring on the ridge, would MTW consider conducting this as an interim measure to see if there is any point of difference in terms of the data the company is collecting.

Gary responded that MTW work to put monitoring into good representative locations and these are located all around their operations. Gary added an important factor is that MTW also have to be able to maintain this equipment, so there is the need to balance this with having monitoring that shows exactly how operations are performing to enable MTW to measure this for their business and to then react.

Barb acknowledged Gary's response, she was hopeful that MTW may consider monitoring in that location as a short term interim move. Barb noted that where her residence is located on Thompsons Road, there has been an increase in dust. Barb also understood that wind factor was a big factor when considering dust and noted that had been discussed. Barb supported Ian's point that having monitoring in place that overlooked both mines would be a brilliant move to take a look at, in terms of satisfying the community that all is being monitored and she felt that it may be a good project for students.

Gary advised that as a starting point he would like to present detail on MTW's Air Quality Monitoring System given that there is an extensive network already in place. Gary noted that there is a diagram in the AEMR that identifies where operational dust monitoring locations are in relation to MTW's EPL. Gary felt that by sharing the bigger picture of MTW'S air quality monitoring network with the CCC this would lead to a more informed discussion, rather than around one single location, and Barb thanked Gary for responding with that undertaking.

ACTION 4: In response to feedback from Ian and Barb, MTW to provide the diagram of MTW's Air Quality Monitoring System at the August CCC Meeting; inclusive of monitor type and location.

Ian felt that Yancoal had made improvements from previous ownership but believed more could be done in relation to dust. Ian noted that when travelling from Mount Thorley to Bulga of an afternoon he can see the dust that is being generated from behind trucks. Ian's concern is that if he can see that source of dust why is it that the CRO's and OCE's could not. Ian was therefore concerned that MTW do not have enough water carts to address the dust that is generated from trucks.

Gary confirmed that MTW run water carts at all times as part of their normal operations. Gary felt that it had been questioned previously if MTW operate water carts at night and it had been confirmed by the company that water carts are operating at night and at any time operations are generating dust.

Gary added that the water carts are run for two reasons; they quell the dust and it also makes it safer for MTW's operators as well. Ian queried how many operational water carts MTW have and Jason responded there are five. In addition, Jason advised that MTW will be replacing two of their 785 water carts with two 789's (which are larger trucks), so whilst the fleet size would not increase the volume coming out of these carts will and Ian felt that was very welcome news.

Jason also made note that in 2021 there will be very little traffic going over into Mount Thorley, apart from waste, with the majority being in Warkworth and Ian felt that will also be positive in reducing dust. Ian said he was of the understanding that when Mount Thorley was in operation there were five water carts just in that one smaller pit. Jason responded that if MTW's auxiliary contractors water carts were added, the number would be closer to the tens or twelves. Jason explained that these smaller contractor water carts are employed to conduct all the watering of shots for the shot firers, the filling up of water for the drills and watering of the drill patterns. Ian thanked Gary and Jason for their update.

CCC Member Feedback

Stewart

Stewart advised that he would like to have a discussion with Gary out of session regarding some ongoing issues he has in relation to MTW's blast monitoring plans, road closures and the Social Impact Management Plan (SIMP). Stewart hoped that afterwards he would be able to report back at the next CCC that there had been a successful outcome. Barb noted that as a new CCC member she would appreciate the opportunity to be involved in discussions around the SIMP. Gary confirmed that he would be happy to do this and would talk to both Stewart and Barb to set up timing for this.

ACTION 5: Meeting to be organised for Gary to get together with Stewart to discuss; Blast Monitoring Plan and Road Closures and also with Barb & Stewart to talk about the Social Impact Management Plan (SIMP).

Ian

Ian asked if MTW intend to grass the bund wall located along the Putty Road, that runs from the former Wallaby Scrub Road towards site, he acknowledged that it looked like there is mulch in place but it is not a good look given there is so much bare earth and when compared to the rest of the banks that are grassed up now. Gary confirmed that MTW will conduct those works this year when the weather conditions are warmer.

Ian acknowledged that MTW do a good job with their rehab and had been pleased to see an area on the left hand side when travelling from Mount Thorley towards MTW's second bridge, where there had been some landscaping put in, resulting in the area having a bit of shape about it. Ian said that he had been hoping to see a dam or some sort of water storage as he does not see these as being a part of MTW's rehab. Ian explained his reasoning is that all of that country had dams all over it in the early days and he is concerned that animals, particularly kangaroos, are crossing the road seeking water. Ian asked if there were any plans to put some water storage in for native animals on MTW's rehab.

Gary confirmed that MTW do have some water storage, particularly on the top parts of rehab, which MTW put in place for erosion and sediment controls in the first instance, when operations get into the limits of where the dumps meet clean water areas. Gary noted that some of those will not get used in the long term but some will remain. Ian asked if Gary could supply mapping of where MTW's existing watering holes are located and Gary advised that these have not all been mapped however he could provide some examples.

ACTION 6: In response to a query from Ian, MTW to provide some examples of water storage areas in MTW's rehab that are in place, in the first instance, for erosion and sediment control and for possible future habitat.

Ian acknowledged that he has raised the issue of mobile reception in the past and noted that this is almost nonexistent in Bulga now. Ian understood that MTW had met with Telstra and they had advised that reduced coverage would not be the result of potential impact from MTW's spoil heaps because the signal comes from over the mountain. Ian said the fact is that reception is deteriorating all the time to the point that he has to walk around outside in his backyard to find a place where he can get signal. Ian queried if there is any communication between MTW and Telstra around improvement of coverage for the people of Bulga and also right down to Milbrodale as there is also very little coverage in that area as well.

Jason responded that MTW have been advised that the reception in Bulga and Milbrodale is not the mines issue, however he could confirm that MTW are talking to Telstra about upgrading Wi-Fi in the area whereby there should be the ability to switch mobile phones to Wi-Fi calls. MTW will initially undertake this in the pit and Jason hoped that may be something the community may get supplementary access to.

Ian was not in agreement that issues around mobile phone reception were not related to MTW, he explained that there was good coverage prior to the mine building the big mountain between Bulga and the Tower and therefore feels it is a matter for MTW. Jason responded that the advice MTW has received is that the issue is not from their impact. Ian said anyone in Bulga would support the fact that mobile reception is getting worse and worse, he feels the higher the mine goes the worse it gets, so he believed that it was time to have Telstra conduct another study. In support of this feedback Ian noted that he had received advice from another company that Bulga will not get any improved reception because of the height of the earth between the village and the tower.

Gary responded that MTW can put the question to Telstra about mobile coverage in the area, he noted this affects MTW's business as well and in the western parts of MTW's operation they would prefer to have better reception themselves. Olivia added that she uses both Optus and Telstra for mobile phone coverage and had also noted that her Optus service had decreased in this general area over the last three months, she felt that this may indicate that some providers are potentially having difficulties in this area at the moment.

ACTION 7: In response to feedback from members on poor mobile coverage in the Bulga and Milbrodale areas, MTW to review previous investigations with Telstra and provide an update to the CCC.

Neville

Neville advised that the Singleton Shire Healthy Environment Group's (SSHEG) main focus is on two areas being; air quality and Cultural Heritage, and that documents from the SSHEG have been submitted to the Minerals Council and Mining Dialogue on both of these issues.

Neville was appreciative that Yancoal are looking at ways of improving the movement of air pollution that they may emit so he felt comfortable that issue was being looked at. Neville feels air quality now has to run its course as it needs quite a lot of input over quite a number of years and will not happen overnight.

What Neville could see from some of the investigations and audits that have been conducted and shared by MTW is that they indicate there is quite an effort being conducted to come up with a much more workable solution in terms of how the drifting patterns of the air pollution is affecting air quality.

In relation to Cultural Heritage, Neville advised that the SSHEG had also corresponded with Yancoal, and he felt that it is time that some sort of implementation schedule for Historic Heritage activities be put in place. Gary confirmed that Neville had participated in inspections of MTW's existing Heritage Structures which are listed on their Heritage Management Plan, adding that it is incumbent on MTW to develop the action plan. Gary acknowledged that MTW are taking up the challenge to do more work in relation to structures that are surrounding the periphery of their site.

Neville wondered if it could be made a part of the CCC's charter to look at some sort of comprehensive review of all the issues to do with Historic Heritage that relate to all mining activities. Neville felt that MTW's reports do not tend to include detail of these type of activities that were part of the approval process and what he would call the agreed conditions of what the mine would undertake in terms of response to the community. Neville noted that the approval in November 2015 was nearly five years ago and the transfer to Yancoal in August 2017 was nearly three years, but he has seen very little sign of activity. Neville asked if this subject could be an ongoing agenda item for the CCC meetings so community could see what was being reported and what progress was being made around Historic Heritage.

Gary responded that CCC members will see that MTW's Historic Management Plan embodies commitments and requirements from MTW's development consent, and these are the things that MTW need to work to. Gary advised that he would be happy to provide an element on how MTW are progressing to the CCC. Col felt that would be a good initiative from the company.

ACTION 8: In response to feedback from Neville; MTW to provide updates on the Historical Heritage activities at CCC Meetings going forward.

Adrian

Adrian asked if there were any plans to replace the dead trees that MTW had removed in the area along the Putty Road and Gary confirmed that MTW will be doing some additional tube stock planting to put some trees back in there. Adrian responded that he was appreciative of this.

Barb

Barb advised she had interest around the cumulative impacts on the health and well being of those that are impacted by MTW's mine, she asked if the company or other members could provide an update around this for her. Col responded that Neville may be a good source to update Barb through his involvement with the SSHEG and Neville confirmed that he would be happy to share some of the latest SSHEG documents around air quality with Barb.

Gary added that, whilst not directly on the subject of cumulative impacts, what MTW do is conduct management controls and monitoring in accordance with their Air Quality Management Plan. MTW report how they are travelling against all of those aspects in the Monthly Environmental Monitoring Reports which are provided to CCC members, so this is around what MTW monitor and their subsequent take and analysis of those monitoring results.

Barb was also interested in cultural heritage i.e. what the company is doing in that field and how they are working with such important sites such as the Baiame Cave, and others in the area. Gary advised that MTW have not been too involved with the Baiame Cave in recent times, there was an Economic Sub-Development Officer engaged prior to Yancoal taking over that had been involved in the Baiame Cave review. Barb noted that the Baiame Cave is now officially Heritage registered and a protected Aboriginal site, she noted there had been a working group and acknowledged MTW's representation near the end. Barb advised there was not a lot currently happening with this site but felt there needs to be some activity because there has been vandalism and there is a requirement for the management plan to be implemented, she queried if Yancoal would see themselves participating in this.

Gary noted the Baiame Cave is located on private land and therefore managed by others, he does see the Cave as an important cultural and potential tourism type feature of the area. Gary confirmed that MTW have received some information on the Cave but had no current plans to have involvement in that process. Barb asked if MTW would participate if they were asked and Gary advised they could consider that.

Gary explained that MTW are responsible for a large Wollombi Brook Cultural Heritage Conservation area which will be featured on MTW's site and there is a requirement to conserve that as part of MTW's consent. In addition MTW have another site on Mount Thorley called Loders Creek Cultural Heritage platform, so he confirmed there were a few links within the cultural heritage space.

Barb knows that Bulga Coal have participated in supporting the Baiame Cave and there had been discussion around the potential for all of the resource sector participating with this site. Gary said he would be happy to be involved in discussions as he believed that the Baiame Cave has benefit to the whole area, particularly as a potential tourism feature and as Barb had said, that it should be protected. Barb was in agreement with Gary and thanked him for his response.

John: John wished to endorse Ian's remarks about telephone reception, as he too had noted that over the last few months it had deteriorated remarkably in the area. John also believes this it is because of the height of the spoil piles and would appreciate for Gary to take this matter up with Telstra. During John's last contact with Telstra about deteriorating phone reception, he was advised that there was increased traffic in the tower and that was causing the problem. John could not see how this increased traffic would have come about as there are no additional mines or employees around. John said he was looking forward to learning more in his role with the CCC and advised that he had found it to be an interesting meeting.

Toni;

Toni queried if Yancoal actually use any of the water out of Wollombi Brook, she advised that visitors to the shop had expressed concern about how often the pumps had been running down at the former Laurie Caban property. These pumps had been running during the height of the drought and that was of concern as Toni had actually seen the levels of the Brook dropping rapidly, the feedback she had received was that the pumps had been running 24/7. Gary confirmed that MTW does not draw any water from the Wollombi Brook, he was not aware of what tenants or residents on the creek were doing but advised that this was certainly not from the mine. Gary explained that as part of MTW's Water Licence they are only able to draw water from the Hunter River through licence access points and this is through a Singleton Council operated scheme.

Col;

Given the on boarding of new CCC members Col advised that it was timely to ask members if they would like to provide any feedback on the Meeting Minutes, he noted there is a high level of detail captured and would like to give the group an opportunity for any comments back. Sarah confirmed that she is happy to produce the Minutes to the scope that the CCC desired.

COMMUNITY UPDATE***The Clontarf Foundation;***

Gary advised that Yancoal has been in partnership with this foundation for some time. The Clontarf Foundation establishes some strong male mentorship in their schools to assist young Aboriginal men, or those with Aboriginal heritage, to complete their schooling in a good way and prepare them for the workforce. There had been an opportunity for students from the Singleton and Newcastle Academies to visit MTW and have a general look at what type of careers are available in a mining operation which Gary noted had been very successful and that MTW had been glad they could come out.

MTW 2020 Apprentices;

MTW have 6 first year apprentices commencing in 2020; 5 Mechanical and 1 Electrical. This will bring the total number of apprentices on site to 21; 10 Electrical and 11 Mechanical. These apprentices are currently completing their Mining Skills training full time at Muswellbrook TAFE and will return to site in June where they will be placed in the Maintenance and CHPP departments. Rotations to different departments will occur every 6 months to broaden their knowledge and skills on the different equipment MTW has on site.

Ian commended Yancoal for putting on the 6 apprentices this year, noting that brings the total number to 21. However given that MTW has 1,400 employees, Ian would have hoped the company would do more heavy lifting when it comes to training. Ian's business employs 85 people and there are 23 apprentices. Ian believes that it is some of the mines responsibility to make sure the skill shortage into future is not filled by the mining industry taking people out of other local industry. Col asked that MTW take that feedback onboard and Gary responded affirmatively.

Bulga Community Consultation Meeting; Gary advised that preliminary plans had been implemented by MTW for this event to take place at Bulga in late April, however due to COVID-19 this had been postponed until MTW can be comfortable that there are no risks to community and staff when conducting that type of event and in terms of Government restrictions.

Social Impact Management Plan - Near Neighbour Amenity Resources;

- ✚ The 2020 Near Neighbour Amenity Resource program has commenced. The Social Impact Management Plan indicates one strategy to reduce social amenity impacts is to provide services to near neighbours, such as tank cleaning. MTW has already assisted one neighbour with tank cleaning and an under-sink water filtration installation to assist with potable water amenity as part of the Near Neighbour Amenity Resource.
- ✚ The availability of this program will be communicated to MTW's near neighbours in our next community information letter.

Community Support Program; Gary advised that the CSP continues in 2020, there were 20 applications received for the CSP opportunity that closed in November 2019. Gary provided the list of organisations that are being supported in 2020 noting that some had to be deferred to the following year due to COVID-19 restrictions, however MTW continue to talk to the people that they have agreed to support to see if they are able to continue in assisting them. Gary advised that MTW will still be running their application program in Quarter 4 2020. *The CSP program invests in community groups working in the areas of health, social and community, environment, education and training. For information please visit <https://insite.yancoal.com.au/community> or email mtw.csp@yancoal.com.au*

Col advised that he hoped by August the CCC would be able to meet back at MTW's site and John said if that could incorporate the site tour that would be good. Col thanked all for their attendance and closed today's meeting.

ACTIONS ARISING FROM THIS MEETING

ACTION 1: In response to a query from Neville, MTW to provide the 2019 Aboriginal Heritage & Historic Heritage Reports to the Community Heritage Advisory Group (CHAG).

ACTION 2: In response to a query from Stewart, MTW to provide detail on how many tonnes of Warkworth sands that have been transferred to Archerfield to date and the predicted total amount that will be transported.

ACTION 3: MTW to present mapping/diagrams at the August CCC Meeting on the proposed final land form for South Pit; to indicate how that is projected to look as contained in MTW's Mining Operations Plan.

ACTION 4: In response to feedback from Ian and Barb, MTW to provide the diagram of MTW's Air Quality Monitoring System at the August CCC Meeting; inclusive of monitor type and location.

ACTION 5: Meeting to be organised for Gary to get together with Stewart to discuss; Blast Monitoring Plan and Road Closures and also with Barb & Stewart to talk about the Social Impact Management Plan (SIMP).

ACTION 6: In response to a query from Ian, MTW to provide some examples of water storage areas in MTW's rehab that are in place, in the first instance, for erosion and sediment control and for possible future habitat.

ACTION 7: In response to feedback from members on poor mobile coverage in the Bulga and Milbrodale areas, MTW to review previous investigations with Telstra and provide an update to the CCC.

ACTION 8: In response to feedback from Neville; MTW to provide updates on Historical Heritage activities at CCC Meetings going forward.

ACTIONS CARRIED FORWARD; MTW to organise a viewing of their Dispatch area and to organise a Site Tour in conjunction with a future CCC Meeting to assist members in understanding the mine layout.

**MTW Community Consultative Committee
Current Membership from 23 March 2020
Including new members**

Name	CCC Representative Type
Dr Colin Gellatly	Independent Chairperson
Cr Hollee Jenkins	Singleton Council
Stewart Mitchell	Community
Adrian Gallagher	Community
Ian Hedley	Community
Antoinette Silk	Community (DPIE endorsed 23/3/20)
Barb Brown	Community (DPIE endorsed 23/3/20)
John Lamb	Community (DPIE endorsed 23/3/20)
Neville Hodgkinson	Stakeholder -Singleton Shire Healthy Environment Group (DPIE endorsed 23/3/20)
Graeme O'Brien	Alternate (DPIE endorsed 23/3/20)
Denis Maizey	Alternate(DPIE endorsed 23/3/20)