

Record of Meeting – Community Consultative Committee

Date	12 December 19
Time Start	11:10am
Time Finish	13:40pm
Location	Mount Pleasant Operation Board Room
Minutes	Lesley McLoughlin [LM]

Opening of Meeting	Meeting opened at 11:10am
	Chair: Wej Paradise [WP]
	Community Consultative Committee Members: Llewellyn Bates [LB], Jonathon Moore [JM], Rod Upton [RU], Trevor Parkinson [TP], Tim Troon [TT]
	Apologies: 1. Mayor Martin Rush
	Government Department Representatives: Nil
	Muswellbrook Shire Council: Sharon Pope – Assistant Director Environment & Community Services
	Mount Pleasant Operation: Ngairé Baker [NB], Lesley McLoughlin [LM], Richard Baily [RB], Chris Masters [CM], Andrew Reid [AR], Ian Webber [IW], Chris Lauritzen [CL]. Guests:
	Thiess: Peter York [PY], Michelle Eckersley [ME]
Declaration of Pecuniary Interests	WP requested that Members disclose if they have any pecuniary interests: <ul style="list-style-type: none"> [WP] Receives payment to chair the CCC to meeting for the 12.12.19
Safety Share	<ul style="list-style-type: none"> [RB] Christmas time we are all busy, rushing to get things done. Maintain safety and keep your mind on the job.
2. Previous Minutes	The Minutes from the previous meeting October 2nd, 2019 were accepted as a true record of the meeting. Moved by [RU] seconded by [LB].
3. Matters Arising	NIL.
4. Applications & Approvals	MACH Energy consultation with government agencies and service providers since the last CCC has included Optimisation Project overview briefings with: <ul style="list-style-type: none"> Department of Planning, Industry and Environment Environment Protection Authority

	<ul style="list-style-type: none"> • Muswellbrook Shire • Upper Hunter Shire • Port Waratah Coal Services • Port of Newcastle • Australian Rail Track Corporation <p>Project SIA Scoping Engagement was conducted in late October and early November 2019.</p> <ul style="list-style-type: none"> • Comprised Project briefings by MACH Energy and then interviews/workshops conducted by consultant Rachel Maas • Stakeholders engaged for initial social issues feedback included: <ul style="list-style-type: none"> • CCC • Muswellbrook and Upper Hunter Shire Councils. • Some local landholders. • Some local community groups/representatives. • MACH Energy is now preparing its Project Scoping Report to submit to DPIE. <p>Key components of the Scoping Report will include:</p> <ul style="list-style-type: none"> • A description of the Optimisation Project • Strategic and regulatory context for the Project • Key Project environmental issues, and how these will be addressed in the Environment Impact Statement (EIS) • Community and stakeholder engagement • SIA Scoping Report prepared by Rachel Maas • DPIE will review and then publish the Scoping Report on its website in Q1 2020. • DPIE will then issue the Secretary's Environmental Assessment Requirements (SEARs) detailing the NSW Government's requirements for the completion of the Project EIS. <p>[WP] The report that Rachel Mass conducted, will that be available to the public?</p> <p>[CL] Yes, it will be available for the public to view.</p>
<p>5. Operations Update - RB</p>	<ul style="list-style-type: none"> • Practical completion for SP2 and SP3 was achieved in late November with partial commissioning complete. • Commissioning and optimization work remain; and • Construction team has demobilized and left site. • Pit development continued into Pit E&F with topsoil stripping underway and the main haul road extension to the north. • Fines Emplacement Area commissioned. • Geofluv landform shaping completing for Stage 3 and commencing on Stage 4. • Topsoil spreading has been completed on Stage 1 and 2, ready for seeding and placement of rock amour to drains. <p>[JM] Is it simple as saying commissioning is finished?</p>

	<p>[RB] The initial stage of commissioning is complete. This includes making sure everything runs safely under load. Most of the operations to date have been in manual operating mode. There is still a lot of work to complete to ensure that the plant can operate at full rate and in a more automated mode.</p> <ul style="list-style-type: none"> • Stockpile extension works continuing. • 66kV line relocation early 2020. • The MOD 4 Rail progress continues with applications with MSC, ARTC & Ausgrid with early works expected in Q2 2020. • Advanced monitoring and predictive modelling to assist with management on site. • Minimisation of active operating areas. • Shutdown conditions and pre-emptive shutdown management. • Focussed efforts in all aspects of the operation – Induction, pre work, during shift operations. • Focussed efforts in all operating areas – presoaking topsoil stripping areas, rehabilitation dust suppression, polymer use. • University of Newcastle Benchmarking Study – Predictive Modelling, Wind Fence, Polymer, soil moisture control. <p>[SP] is the study available to the public?</p> <p>[RB] The report was carried out for Mount Pleasant and we did not advise the UON that we would release. We will consider if it could be released.</p> <p>[LB] What are wind fences?</p> <p>[RB] These are like snow fences. They assist with dropping particles to the ground. They could be fences or earthen mounds.</p> <p>[WP] Who do you work with through the Newcastle University? Any professors involved.</p> <p>[RB] We are working with NIER and Professor Ken Williams in particular.</p> <ul style="list-style-type: none"> • Regular discussions with neighbouring mines to consider cumulative impacts and controls. • Articulated water truck on rehabilitation slopes. <p>Benchmarking Study for Dust (Oct 2018)</p> <ul style="list-style-type: none"> • UoN engaged to benchmark our practices against best practise dust management on other operations as well as other industries. <p>Computational Fluid Dynamics (Oct 2018)</p> <ul style="list-style-type: none"> • Wind speed study for effectiveness of wind fences at the ROM. <p>Biomass for BioEnergy (Mar 2019)</p> <ul style="list-style-type: none"> • A project with NSW Forestry, DPI, UoN looking for land for biomass energy crops as part of A.B.B.A (Australian Biomass for Bioenergy Assessment). MACH offered 6Ha at 120 Roxborough Rd for trial. <p>[JM] Do you pay the university to do this work?</p> <p>[RB] Some of the work we pay for directly such as the benchmarking study. Other work we pay for a PhD student or assist in kind with use of land and provision of samples etc.</p> <p>[JM] Think its wonderful that coal mining is working with the universities. Really positive thing, and we all are wanting answers.</p> <p>Coal Samples for Biological testing (Apr 2019)</p> <ul style="list-style-type: none"> • UoN are collaborating with biomedical scientists
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	<p>(immunology/microbiology) at the Hunter Medical Research Institute (HMRI) assessing the biological response/effects of PM10 (and below) on lung inflammation and respiratory function. MACH provided multiple samples of coal and overburden.</p> <p>Dust Visualisation (Jun 2019)</p> <ul style="list-style-type: none"> MACH in final stages of securing a PhD student to develop technology that can visualise the dust leaving site on the electronic signature. Lidar unit built, initial site inspection conducted for calibration testing. <p>Tailings to Topsoil (Jul 2019)</p> <ul style="list-style-type: none"> A MACH Energy, UoN, Bengalla, Jord International and Muswellbrook Shire Council collaboration to convert tailings material to suitable topsoil material. <p>MACH Energy Solar Farm Project (Jul 2019)</p> <ul style="list-style-type: none"> MACH and NUW Alliance (a collaboration between the Universities of Newcastle, Wollongong and New South Wales) on integrating renewable energy. <p>SIBERIA modelling (Sep 2019)</p> <ul style="list-style-type: none"> Collection of topsoil samples for modelling the impacts of rainfall erosion on rehabilitation. <p>Sampling for Rare Earth Elements (Nov 2019)</p> <ul style="list-style-type: none"> Testing of tailings for concentrations of Rare Earth Elements. [JM] Is the samples taken from another company? [RB] Yes, the university. <p>Site visits</p> <ul style="list-style-type: none"> METS Doctoral Training Centre Site tour and Industry End of Year Event (6/11/19). <p>[WP] With construction finishing up, terms of economic impact, how much has been invested in the project? [RB] Roughly over \$400 million dollars in construction on top of the acquisition price. [WP] Dust, presentation at the Mining Dialogue, can that be shared to the CCC? [RB] Yes, I will arrange to send to the CCC.</p>
	<ul style="list-style-type: none"> Warrabee / Thorndale - Castlerock Road, Native Seed Harvesting. Harvesting completed by Diversity Seeds, Coonabarabran. Approx. 1.7 tonnes of locally occurring native grasses and forb species have been harvested and typically include, Blue Panic, Wallaby Grass, Lemon Grass, Queensland Blue Grass, Windmill Grass, Barbed Spear Grass and Native Daisy. Ongoing maintenance of the properties in preparation for next seasons harvest. Monitoring trees for harvest. Currently working through native seed requirements for site rehabilitation for next two years. “Negoa Homestead” – Termites now dormant – refurbishment to recommence in 2020. Demolition Program for 2019 now complete and contractors have demobilised. Weed Spraying – in conjunction with the MACH’s Environmental Team commenced a property wide Yearly Weed Management Program using Enright Land Management. Enright’s also engaged to spray areas of Green Cestrum in lower alluvial paddock along Wybong Road. Bushfire Management – All Mount Pleasant Bush Fire trails are

	<p>inspected on a monthly basis – this is a shared arrangement between Land and Property and Environmental Departments.</p> <ul style="list-style-type: none"> • Spring 2019 Inspection and Report of the Natural Native Pasture Regeneration Paddocks completed, and the report is available on the portal. • New Paddock Assessment Tool – working well, is proving much more user friendly and more reports are being provided by Licensees. • Stage IV of the Llangollen Shearing Shed Project – next stage is scheduled for Q1, 2020 – tanks and plumbing. • Destocking of Offset Properties – Warrawoona, Gunnedah completely destocked, has been since March 2019. Progressively destocking Clare Park and Gumridge to zero. Blackrock reduced by over 50% of current holding. St Antoine and Wahrane (Llangollen) have destocked to sustainable levels but this will be continually monitored. [JM] That's good management. [IW] It is good management, but tough when its their living, social economic impact, which was a hard decision. [WP] Is this part of the contract with the lease holders, how is that decision made? Are there certain indicators to understand? [IW] Quarterly audits drive it. Consultations, and obligation with the offset plans to meet requirements. [PY] Do the lease still have to pay after destocking. [IW] Pay quarterly. Since October to now has not been easy asking to remove stock. [WP] When you say handed back? [IW] First right of refusal, arrangement is when they are destocked and if we get substantial rain, we will monitor and wont re-stock for six months. [WP] When do you expect to get the flora studies? [IW] Possibly before Christmas and will be available. • 2019 MNES Flora Study – completed on 28th November 2019 by AMBS Ecology. • Offset Weed Management - Spring spraying of Briar and Blackberry scheduled to commenced. Recent meeting with Doug Campbell of the Upper Hunter Weeds Authority with regards participation in a trial drone spraying program at St Antoine. • Fencing Projects – Mount Pleasant – Wybong Road, Overdeen, Rosebrook, Collins Lane and CW2 Clean Water Drain – all completed. Targeting fencing along Dorset Road in 2020. • Fencing Offsets – 2km with Pitlochry (yearly agreement) currently being quoted. • Cattle Creek Bore and Solar Array – Stage 2 completed and additional troughs and associated pipe lines installed – fully operational. • Bores – conversion of two existing bores from electrical supply to solar at Blackrock has been completed. – This will be an ongoing process through 2020 at Blackrock and St Antoine. Proposed two new bores in 2020 one at Warrawee, Gunnedah to service the Beesons Road side of the property and the second bore on St Antoine at 2 Mile Creek to allow for future Riparian Zone fencing. • Lawlerville Homestead – repairs and maintenance will be completed mid-December, 2019 and ready for tenancy.
<p>7. Environment</p>	<p>Air Quality Management</p> <ul style="list-style-type: none"> • No air quality non-compliances for 2019 YTD. • Water carts operational throughout day and night shifts, prioritising high traffic areas. • CHPP measures including water sprays, luffing of stacker, multiple

	<p>CCTV monitors, two hourly walkthroughs by supervisors during adverse weather conditions; and</p> <ul style="list-style-type: none"> • Dust suppression polymers used on exposed areas and drill patterns. • Ongoing forecast modelling and real time alerts (SMS/email) to assist with operational planning and daily activities <p>[JM] Air quality and noise management, it's hard to sit here and accept that there is no air quality and noncompliance for the whole of the year. It's hard to accept, if there has ever been a time for a non compliance it would be right now. We just must accept what you are saying is really hard. If there is any concern with the community it is the air quality. You would think there had to be at some stage, when you were exceeding the compliance. This is hard to accept.</p> <p>[AR] We do account for background dust, difficulty is cumulative impacts, which is the complicating factor, work with the EPA is critical to the understanding of cumulative impacts. MACH can continue monitoring background and downstream air quality and determine a project alone contribution, however this is a complex system, but work continues to understand the local and regional contributions.</p> <p>[SP] Some degree, is allowed to pollute to some areas, because the bar is so high, which is us having us to talk to EPA, State government.</p> <p>[LB] Is it happening?</p> <p>[PY] Mount Pleasant has the strictest compliance to run through, it is partly the cumulative impact of the drought.</p> <p>[LB] It's always talked about, when it really peaks and alarms are going over, is it stretched over a 24-hour period.</p> <p>[ME] It's a rolling average, it helps to incorporate those peaks, we shut down in the good period of the air quality, we are not waiting for high levels, still shutting down as the air quality is classed as good.</p> <p>Blasting</p> <ul style="list-style-type: none"> • 17 blasts between 1 September 2019 and 30 November 2019; • All blast results within relevant criteria and compliant. <p>[TP] Do you have to report to the regulators when you are going to blast?</p> <p>[NB] There is a requirement to report all blasts to the regulator annually, and immediately following an elevated reading. We list every blast on our website, the MSC website and an SMS to those who have registered to receive blasting dates/times. We also have a dedicated Blasting Hotline.</p> <p>[TP] Are you restricted to a certain number of blasts every month?</p> <p>[AR] We have restrictions around when we can blast, Amendment - MACH may carry out a maximum of 1 blast a day; and 5 blasts a week, averaged over any calendar year.</p> <p>.</p> <p>Noise</p> <ul style="list-style-type: none"> • Monthly attended noise monitoring ongoing; • All noise monitoring results compliant; • Thiess Compliance Assessment Tool (CAT). <p>[JM] Referring to the wind graph, we are getting more wind to the north, north-east?</p> <p>[TP] Do you have to report to the EPA of shutdown?</p> <p>[AR] Amendment: The EPA will know when we are shutdown using</p>
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	<p>their live Air Quality Monitoring Station.</p> <p>[PY] EPA are very interested in what we are up to, regular inspecting and flying drones. That's how they look for compliance. They will conduct this on their own accord or from a complaint or choose a day knowing a high-risk dust day, normally we would be shut down.</p> <p>[SP] You keep logs of all this information, there is an independent review done every three years to check on the individual records for each mine and they often come up for recommendations for practices.</p> <p>[SP] It is a real time thing. If you see visual dust, you make the decision to start shutting down.</p> <p>[PY] Yes, start shutting each equipment down, which is a detailed process.</p> <p>[TP] People in town look at the dust. It is hard to explain to the community as they don't believe it.</p> <p>[WP] Do you share technology with other mines?</p> <p>[AR] All mines have predictive technology; MACH contribute to a regional weather group which have shared assets to assist with weather prediction.</p> <p>[CM] Mount Arthur receives cumulative report and they receive Mount Pleasant details.</p>
<p>8. Community</p>	<ul style="list-style-type: none"> • MPO environment, procurement, external relations and general manager attended the Annual Upper Hunter Mining Dialogue Forum in Singleton. • Presented End of Year Awards at the Singleton Girls Academy, Muswellbrook & Denman Primary Schools and we will attend the Muswellbrook High School presentations taking place on 17th December. • Assisted with the packing and delivery of hampers with the PCYC for drought affected local families. • Stakeholder engagement with residents in Racecourse Rd and Shepperd Ave regarding blasting impacts; and • Working with Blackrock Industries & St Heliers Correctional Centre through the MACH Energy funded Gundi Program - • 38 complaints were received in November. • 249 Year to date. • 14 complaints related to two blasts conducted in A Pit with the complainants from Racecourse Road and Shepperd Ave. <p>Community Sponsorship</p> <ul style="list-style-type: none"> • General Manager and members of the operations, construction and Sedgman teams attended the monthly Chamber of Commerce Meetings. • Muswellbrook & Upper Hunter Eisteddfod. • Scone Rotary Students Leadership Camp. • Muswellbrook Junior Cricket Club. • Aberdeen Primary School. • Muswellbrook Primary School. • Muswellbrook High School. • Denman Primary School. • Muswellbrook South Primary School Fete. • Muswellbrook Chamber of Commerce and Industry Business Awards

	<p>(2020).</p> <ul style="list-style-type: none"> • Muswellbrook Firies Santa Lolly Run. • Muswellbrook Totems Rugby League Team. • Mick Sheedy Memorial PCYC Charity Golf Day. <p>[TP] You sponsor Olympic Park? Did you have any input of the master plan?</p> <p>[NB] Our sponsorship agreement is a legacy from when Rio Tinto owned the Mount Pleasant lease. The sponsorship only includes signage and we have no input into how the funds are spent.</p>
<p>9. General Business</p>	<p>[WP] Requested items relating to general business to be raised:</p> <p>[LB] With the reshaping of Wybong road, just before the conveyor. It has made it a lot easier when driving. Really appreciative and can see much better.</p> <p>[LB] Inside of the green fence from coal piles, what's happening there?</p> <p>[AR] Extension of the stockpile, between the existing stockpile and Wybong Road</p> <p>[LB] How close will it come to the fence?</p> <p>[CM] 11 meters.</p> <p>[LB] Can we all have print outs of the CCC presentation please?</p> <p>[NB] Yes, I will organise.</p> <p>[JM] Water trucks, can we have details presented at the next CCC meeting about the management of this equipment? Why would you only use three out of five water trucks? It would be interesting to know if you have purchased a new water truck or if there are any maintenance issues.</p> <p>[JM] No information today about coal production, would like to get some idea the actual coal production at this point. Would like to know how many trains have gone all together since starting. What would have been the maximum trains in one day?</p> <p>[NB] It is a requirement to have our annual train movements are listed on our website. I will have an update for the CCC at the March meeting.</p> <p>[WP] Meeting with the minister with the other chairs of CCC. Department of Planning has panel of chairs to attend around the state, around 150 projects, trying to recruit extra people into this panel. There is quite a bit of discussion, talk about how things are going, what makes an effective CCC. Certainly, with different levels of engagement. Some there is not much community. Departments starting to realise pay a bit more attention how CCC are operating, local government involvement.</p>
<p>10. Next Meeting</p>	<p>Date: 19.03.20</p> <p>Time: 9:30am</p> <p>Location: Mount Pleasant Operation</p> <ul style="list-style-type: none"> • Tour @10:00am (workshop, simulator, check out equipment) • Meeting 11am – 1:00pm
<p>11. Close</p>	<p>Meeting closed at 1:40pm</p>

END OF RECORDS