

Marulan Quarry Project
Community Consultative Committee
Fifth Meeting, Thursday 27 August, 2020
6.30pm-8.15pm Marulan Community Hall

Minutes of the meeting - FINAL DRAFT

Attendees

Present

Ian Colley (Independent Chair)

Vergilio Serra (Global Quarries)

Justin Flaherty (Global Quarries - Minute taker)

Karl Rosen (GHD)

Graeme Dally

Wendy Dally

Shane Hill

George Emerzidis

Darryl Pearson (via Teams online)

Don Angelosante

Stephanie Mowle – GM Council

Apologies

Bill Kenchington

Graeme Edwards (GQ)

Welcome and Introductions

Ian welcomed everyone and invited them to introduce themselves for Karl's benefit (attending via online Teams broadcast). Darryl joined the meeting via Teams as well (but the connection dropped out).

Wendy read an Acknowledgement to Country.

Minutes of the Last Meeting

Graeme D asked for a number of revisions to the minutes of the last meeting, and supplied a document with the revisions marked up. Ian acknowledged most changes. The minutes will be revised as such and approved.

Don asked if the proceedings could be video recorded to avoid these kinds of revisions. Ian noted that it would be unusual in that the minutes were not meant to be a verbatim transcript of proceedings, and that there are possible privacy and confidentiality issues with video and audio recordings. However, he would consider the option.

Vergilio provided a handout outlining GQ answers to the CCC questions, and a preliminary design map of the proposed quarry.

Actions and Business Arising from the Minutes

- George – did you find out about drilling? VS - we obtained timesheets that say they didn't work on the weekend.
- Shane – are you happy for us to ring you if there is work done outside hours. VS – yes
- Ian – how will community meetings be advised? – VS will advise.
- Graeme – (repeat) have you checked timesheets for drilling? VS – again I saw timesheets that said they weren't working on weekend and public holiday following. We will notify if there are weekend works planned. VS – we had our Geotech there also.
- Wendy – you must build trust with us, it's not happening. IC – VS said you can call him
- Wendy – can we go to Council? SM - Council would be required to investigate. Shane – Council said call the police.
- Ian – People expectations about works on the site need to be managed, and prior notification is appropriate.
- Graeme – VS said he would provide the amended SEARS in January and was not aware of the undertaking.

(Daryl joined the meeting via teams at this point)

- Graeme – the website was down, I checked my journal it was down November last year and advised state planning that it was down in January. Wendy - there were texts from other people saying this also. These contradictions need to be resolved
- Graeme – we all agreed to have a meeting we all need to say we won't have it. VS – we agreed for 8 weeks but became aware we didn't have anything more to present. Wendy – we pushed for the meeting as we were advised to because we could put questions forward. Ian told us not to bring things up. Ian – What I said was that new questions are fine but we don't need to repeat the same questions once an answer has been provided. Wendy – it was insulting that Ian said we couldn't ask more meetings. Ian – No, I have said that more questions are fine. VS – we gave our opinion as to whether the meeting went ahead. Wendy – we are frustrated and feel we can't bring things up. Ian – I think your perspective has been heard.
- Shane – thanks for answering the questions (referring to GQ's handout provided this evening).

GQ update presentation

- VS - we have compiled all major questions, and attempted to respond to these.
- VS – preliminary pit design plan has been circulated and is circulated in print once again

Justin read the first four pages of the document into the minutes. These are appended below (at A).

Don – what is the rest of the document? VS – we have attempted to provide detailed answers to all questions raised by community members so far.

Don – there was 37mm of rain in the creek during the week, it will make the water rise higher than the roof. VS – we will note this. Karl – detailed water plan to be developed, and aiming to recycle as much as possible. Recognise its within Sydney’s water catchment there are further regulatory requirement regarding quality. Much of the water will flow down the creek, I have seen this myself (from the Highway). Modelling of run off will be developed (within a range of conditions) and the pit will be designed to be above those levels.

Wendy – there is quick rising water in our creeks, it becomes full and cover paddocks in a fall overnight. We don’t want you to be unaware of this.

Don – what will be done about my own water and possible silica contamination? Karl – understand there is silica in the resource we are analysing this (for crystalline silica) and dispersion of finer particles. Modelling will be undertaken (along contours) and will show a specific result. For Silicosis risk, we have a specialist risk consultant on board looking at deposition of dust.

Don – how will you make sure my house won’t be damaged by blasting? Do I need to document its current state? Will you compensate me for damage? Karl – you can request a pre-condition assessment from GQ. Will be taken into consideration in the plan.

Graeme – thanks for providing the questions and answers, this is really good

Graeme – will Winfarthing road be blocked off by blasting? What are the signs for? VS – signs may be precautionary (good neighbour policy). Karl - we would like everyone to know when blasting is happening. There will be a notification procedure determined (may be included on the website). Karl – the road is not expected to be in the exclusion zone. Blasting won’t be in the evening.

George – is road in the exclusion zone? What is the zone? Karl – larger mines and quarries with no residents can have larger exclusion zone. If a small quarry with nearer residents then the blast plan has to tailored to meet that requirement.

Wendy – concerned quarry proposed in area with indigenous artefacts/sites relevant to current indigenous issues. Rio Tinto has made this mistake in the past. A number of residents have had aboriginals identify burial sites on their land. Not confident that GQ will take into account these issues. GHD have been putting reports together. World issues must be taken into account. Bushfires have destroyed flora and fauna – you people from Sydney don’t have any idea. Fauna corridor is larger than you acknowledge. Members of land for wildlife, this are is important. Ian – are you asking about whether the wildlife corridor is being considered? WS – I hope you are planning trees. Karl – On your first point about aboriginal assessment, it is being addressed with dept of planning e.g. OEH people with interest in the land. There will be a site survey (for archaeological significance). Its been held up because the mine plan is being finalised. The answer re a road crossing corridor was in response to a specific question raised earlier. We understand it is a larger corridor.

Wendy – bushfires mean animals are coming into our area as their habitat has been burned out. Are you taking into account current circumstances? Karl – yes, it is being into account. The Biodiversity

study is prescriptive and will take this into account. Not only taken into account what is there but what could be there.

Action 1 – Karl to check on whether the studies are up to date, given this year's bushfire events.

Wendy – we have had major snowfalls and rising waters due to climate change. Is this being taken into account? Karl – climate variables (such as run off etc) are taken into account. Meteorology is taken into account (eg temperature inversions that make worst case conditions).

Wendy – is all this stuff desktop (or direct field study)? Karl – air and noise modelling is done on computer based on topography and measured conditions. It uses a combination of on-site and desktop methods.

Don – do you know there are 5 different indigenous meeting places on quarry site? Ian – Karl has answered this in terms of how they will proceed with studies.

Shane – has GQ considered signage saying a quarry is planned? Not everyone is on the internet, if they go to Naramboola to inquire, they are met with a locked gate. VS – this will be considered.

Shane – What about Koala habitat, Koalas haven't been present in 2-3 years but were recently sighted in Tallong. They have been pushed into their old habitat. Can this fact be taken into account? Can animal crossings be considered?

Graeme – looking at the figures of tonnage extracted over years 1-3, aren't you limited to 500,000 tons. VS **the amount shown on the pit layout includes overburden & Sanstone, the aim is to extract 500,000 tonnes of target rock from site to the outside market but to do so overburden must also be removed, this overburden may stay on site and later placed back into the void this is why the extraction figure on the pit layout is higher than 500,000 tonnes. there may be some years where that 500,000 tonnes will not be met and may be lower especially during commencement years and final years**

Shane – will you go longer if you don't achieve the 500k? VS – there will be less extraction in final years and more rehabilitation. Karl agreed with this.

Shane – what's the leeway if you go over time. Karl – it would need an amended consent.

George – Will there be backloads from Sydney, and if so, when? Karl – these will come from construction projects in Sydney or locally – wherever available.

George - who will monitor material coming from Sydney? Karl – needs to be done in accordance with an ENM order. The supplier must sample them and keep records for 7 years subject to audit. George – what will stop dodgy behaviour? VS – we won't consider putting our operations at risk. George – ENM must be monitored by someone independent. There is a lot of dodgy business in this industry and no one has been prosecuted.

Graeme – there are other quarries that support the local community, through some kind of community contribution. VS – this hasn't been discussed yet. Graeme – I'd like to make a number of suggestions of items that could be considered for GQ contributions:

1. All properties have a first flush and filter system installed onto their tank water supply.
2. All properties have tanks emptied, cleaned and refilled each year, for the life of the quarry.
3. A bus shelter for school students erected and maintained.
4. A footpath constructed for the length of Winfarthing Rd and Faviel Cl.
5. A fire shed, truck, water supply and equipment.

6. The fire shed to be accessible to locals after the quarry has closed. To include a meeting room, kitchen, showers and toilets,
7. All ongoing costs for the fire shed, including maintenance of equipment and training.
8. An alternative access road for the Winfarthing & Faviel residents.

Graeme – Karl do you have a professional relations with Monteith & Powys (Newcastle). Karl – no. Graeme noted that an application for quarry at Singleton had plagiarised parts of a scoping report. Karl – it's a new process (with new guidelines) so it's no wonder it was copied. Graeme has notified state planning who's website it appears on.

Ian – what's the timeline for the EIS and next steps? VS – will get most reports lodged on January next year. Karl – public exhibition of EIS 30 days, and it is generally not able to be done over holiday period.

Ian – how will we meet between now and then? VS - detailed layout of machinery and stockpiles may be available. Karl – the layout is the key step and will be presented. Social impact assessment team will do phone interviews with affected stakeholders (1-1.5 hour interview). Let VS know if you would like to be involved. VS – I will email out about social study.

Action 2 – VS to email invitations for the social impact study

Ian – Then should we hold the next meeting when refined layout is available. VS – can't comment on timeframe as it is uncertain. Ian – What about a November meeting (when layout is done) assuming this will need to be done before the EIS is finalised.

(This was agreed to by all. Ian will send out a notional date for this next meeting – see below)

George – is Graeme Edwards part of GHD. VS – no. George – how many quarries have GHD worked on that have close proximity to neighbours. Karl – there are 7-8 with residents in about 500m.

George – how many have been approved? Karl – I know of one that was rejected by the JRPP last year (on road access issues).

Don – will there be another community meeting? VS – we may have one in November.

Graeme – will you have a discussion with NoW group? Shane – will you come and talk to the meeting? VS – concerns over Covid may make this impossible, but GQ will consider this.

Action 3 – VS to consider meeting with NOW Inc, subject to Covid advice.

Shane – thanks to Karl for being available.

Proposed Next Meeting date is November 12th, subject to additional information being available at that time.

Actions Arising

Fifth Meeting

Action 1 – VS to consider meeting with NOW Inc, subject to Covid advice.

Action 2– VS to email invitations for the social impact study

Action 3 – Karl to check on whether the studies are up to date, given this year’s bushfire events.

Third Meeting

Action 1: GQ to decide a suitable time for early notice of information to CCC before formal submission of the EIS

First Meeting

Action 1 For documents sent out to members to be sent out as editable PDFs so members can comment.

Action 2 A clearer map of the traffic options will be made available

Action 4 GQ will make sure that no one is on the land shooting.

Action 5 GQ will not lock the neighbours’ access gates moving forward. But noting that various utilities such as Telstra, electricity and gas companies may be locking the access.

Action 6 The EIS report will be made available when completed.

Action 8 GQ will clarify power source to members

Action 9 GQ to provide details of insurance once approval is granted.

SUMMARY OF QUESTIONS PRESENTED TO GLOBAL QUARRIES FROM COMMUNITY MEMBERS

Blasting - noise, pollution, vibration

Effect on domestic animals, native wildlife, People, Structures, Traffic,

Warning methods and the impact

Exclusion Zones & Fly rock

It is mandatory for quarry operators to have in place appropriate systems to review and audit the explosives control plan and blasting work practices to ensure that all aspects of blasting activities are enforced. Limits for noise, dust and vibration emissions will be established and continually monitored throughout the life of the quarry to ensure the limits are not exceeded. The blasting design determines the exclusion zone. No persons should remain within exclusion zones during blasting activities. Modelling, design, and monitoring will be used to minimise the effects of all blasting activities covering noise, dust, and vibration

Recommended criteria for the assessment of noise and vibration from blasting are provided by the Australian and New Zealand Environment and Conservation Council (ANZECC) in its publication entitled Guidelines to Minimise Annoyance due to Blasting Overpressure and Ground Vibration.

These criteria apply to minimise human annoyance and discomfort and were not developed to control possible structural damage. However, if ground vibration peak particle velocities comply with criteria for minimising human annoyance and discomfort, they would also be below levels that may cause structural damage to buildings and would be considered for effects on domestic animals.

Dust-from blasting

Questions with regards to

Dust Suppression & Silica Dust

Effect on domestic animals, native wildlife, People, Structures, Traffic, water,

Selection of equipment, methodology and processes shall be adopted to minimise dust emissions from the quarry operations. Sampling, modelling, and monitoring is ongoing to ensure compliance throughout the duration of the quarry life. Further analysis will be undertaken to confirm silica content and health risk assessment undertaken to consider risk based upon the results of the dust dispersion modelling for fine particles. Health risk assessment will be undertaken based upon analysis of the resource and dust dispersion.

Dust modelling will be undertaken and assess nearby receiver against EPA criteria outlined in the Approved Methods for Assessment and Modelling of Air Quality. Criteria includes annual average and 24 hour criteria

With regards to vehicle traveling on winfarthing rd If deemed necessary temporary signs shall be strategically placed prior to each blast and removed after the blast has been completed

Water Source

Water source, Wastewater , Rainwater/Flooding

Likely construct an off stream/turkey nest dam that would be replenished by recycling water, site run-off, ground water from the quarry and bore water , a detailed water balance will be prepared to assess availability of water for the life of the project. Wastewater will be directed to settling ponds prior to being transferred to the water supply dam for being recycled. With regards to Flooding of the site should not be an issue. All developed areas of the site will be graded to catch drains and discharge through silt ponds .All extraction and processing activities will be considerably above flood levels for Narambulla Creek

Visibility

Visibility from Winfarthing rd and Hume Highway

at times mobile plant will be visible for short periods during the initial development of the quarry, year 1 of Stage 1. A Visual impact assessment Is currently underway and will be finalised once a more detailed quarry design is complete .Visibility impact may be minimised by mounding and planting

Design

final plan

A preliminary map has been issued out to CCC members, there will be more detailed maps to come and are currently being worked on., Quarry development plan will require formal approval

Native Wildlife

Impacts and effects for native wildlife and Wildlife Corridor

Detailed biodiversity assessment being undertaken in accordance with the Biodiversity Assessment Methodology under the Biodiversity Conservation Act. Dislocation of wildlife will be considered as part of the detailed assessment; Field investigations are ongoing to ensure the entire impact area is appropriately captured. With regards to the wildlife corridor an existing gap in the vegetated medium strip in the centre of the Hume Highway will be widened to accommodate the new intersection. This is not predicted to restrict wildlife movement. The nature of the extractive operations means that vegetation clearance will be required, The impact of the project upon the wildlife corridor will be considered.

Traffic

Concerns of Congestion, Site Entry, Traffic Flow, Safety

Global Quarries is working closely with RMS to ensure that all roads to and from the Proposed Quarry will be up to RMS Standards. Safety is a key priority for Global Quarries. RMS has indicated that they are willing to consider a new intersection as part of the DA and has requested more detailed design which is currently underway.

Winfarthing Rd will no longer be used as a entry of exist point for the Proposed Quarry , Design is currently underway which will use an entry and exist point from Hume Highway approx. 860 me east of Winfarthing Road.

The new intersection will eliminate use of Winfarthing Road for all quarry related haulage, staff and contractor traffic entering the site. The intersection will provide a left-in / left-out / right-out only treatment with the following characteristics:

Rehabilitation

Concerns with funding for Rehabilitation

Concerns with source of Fill , VENM & ENM

Compliance

Stockpiling

The project involves progressive rehabilitation of the pit with emplacement of clean fill material. The need for any rehabilitation bond or funding for rehabilitation will be contemplated as part of the determination of the project. All emplacement material will meet the definition of virgin excavated natural material (VENM), excavated natural material (ENM) and other clean fill material (subject to specific resource recovery exemptions) sourced from earthworks projects across Sydney and the local regional area.

The ENM Order has strict requirement for sampling of ENM at the site of supply prior to transfer to site. Records must be maintained for seven years and can be audited by EPA; Records of the emplacement material will need to maintain in accordance with the ENM Order.

Any long-term stockpiles of either VENM / ENM or overburden material will be appropriately stabilised to prevent dust or erosion

Uranium

Concerns of Uranium on site

There is no knowledge of Uranium within the resource on site

Crown Lands & Trig Station

Concerns over Area Usage, Heritage, Historical Significance

Currently Global Quarries is in discussion with Crown lands and looking to Purchase or Place a long term lease on the Crown lands , Consultation with Registered Aboriginal Parties has commenced in accordance with OEH Consultation guidelines. As the Crown lands in located with in the pit boundary this will mean that the trig station will be removed

Bush Fire

Concerns of extreme fire days and excavation plans

A bushfire risk plan is being prepared and will consider operational requirements during high risk fire periods

Aboriginal Heritage

Concerns over aboriginal heritage and significance to site location

Aboriginal heritage investigations are being completed as part of the EIS in accordance with relevant guidelines. Site surveys with RAPs will be undertaken once the final disturbance area and footprint of the operations is determined.

END OF SUMMARY