

MT. SHAMROCK QUARRY  
ENVIRONMENT REVIEW COMMITTEE  
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## Meeting Summary (Final)

20<sup>th</sup> February 2019  
(3.35pm – 4.35pm)

Holcim Pakenham  
Mt. Shamrock Road  
Pakenham

### Committee Members Present:

Matt Dodds  
Ben Appleby  
Stewart Burton  
Rikki Toms  
Harriet Wilson  
Holcim Australia

Don Petty  
Rosemary Buczak  
Neville Bassett (for Joy Carberry)  
Local Community Representatives

Melanie Wright  
Emma Brennan  
Cassie Lukies  
Shire of Cardinia

### Apologies:

Joy Carberry  
Local Community Representative  
Geoff Gilbert  
Earth Resources Regulation  
Councillor Jeff Springfield  
Shire of Cardinia

**Chairperson:** Lisa Barrand (Chairperson) Possibilities Pty Ltd

### Welcome and apologies

Lisa welcomed everyone to the meeting and thanked those present for accommodating an earlier start time. As there were many new faces, quick introductions took place. In particular, the group welcomed Neville Bassett who was standing in for Joy Carberry and also the two additional Council officers; Emma Brennan who will be replacing Melanie when she goes on leave (the group thanked Mel for her work on the committee and wished her all the best) and Cassie Lukies, who attended the meeting in her capacity as Native Vegetation Offset Officer.

<b>Update on actions agreed at previous meetings</b>	<b>Person Responsible</b>
<p><b>Processes to ensure future engagement with ERC on relevant matters</b></p> <p><i>Action 45.2 Holcim, ERR and Cardinia Shire Council are asked to bring forward to the next meeting of the ERC an overview of processes that will reassure the Committee as a whole that consultation with the ERC has been built into internal decision making mechanisms such that the Planning Permit Condition for the ERC and the agreed Terms of Reference for the ERC are complied with.</i></p> <p>At the May 2018 the Committee sought reassurance from the relevant authorities that in future, the Committee will be consulted as a whole on relevant permit matters. This followed an earlier application process from Holcim to extend sales hours, during which many individual members of the Committee were consulted but not the Committee as a whole. At the May 2018 meeting, Holcim advised the Committee that it would, in future, commit to engaging with the ERC as per the agreed Terms of Reference. That is, Holcim, as the initiator to potential variations to work plans will communicate their intentions to the Committee at the same time as communicating with the two responsible authorities (Earth Resources Regulation and the Shire of Cardinia). Earth Resources Regulation also committed to this process, highlighting that the quarry should be the primary initiator of engagement with the ERC.</p> <p>After the September meeting, the Chairperson wrote to the Council to seek confirmation regarding the process moving forward and the Council confirmed that the views of the Committee will be sought in future with an opportunity to provide input, not as a formal submission but as an opinion. This was confirmed in writing in early January 2019 whereby the Council wrote that: "... a file note will be placed against the property for Mount Shamrock Quarry, stating that Council officers will ensure that the ERC will be notified of the submission of this application and be given seven days to provide their comment. Appeal rights will apply only as set out in the Act, i.e. formal planning applications will attract the usual appeal rights, whereas any comment given regarding secondary consents or the like will not." The Committee agreed that this now closes this item.</p>	
<p><b>Annual EMP Audit Report</b></p> <p><i>Action 46.1 Holcim to bring LRMP review to ERC for consideration.</i></p> <p>At the May 2018 meeting, Matt provided an overview of the audit report that had been completed by Envirorisk earlier in 2018. Overall the results were very good and the Committee commended the work done by the Holcim Team. It was noted that audits will always highlight opportunities for improvements but that there were, in fact, very few non-conformances and that these were all minor. This contrasts with the first few audits in 2008 and 2009 where many non-conformances were identified. The identified non-conformances were communicated to the ERC (via the quarterly report) and have been included as action items. There were two items noted in the "Observations / Opportunities for Improvement" section that recommended consultation with the ERC; one relating to a review of the Land Rehabilitation Management Plan and the other related to dust monitoring and it was agreed that Matt would bring these forward to the Committee once he has had an opportunity to review the background information/report. At the November 2018 meeting Matt explained that the review of the LRMP referred to a review of actions of the preceding two years and that he will re-forward the report to Lisa for distribution and discussion at the February 2019 meeting. The other issue regarding dust monitoring is still being investigated.</p> <p>The LRMP report Matt referred to was distributed with the agenda to this meeting. Matt reported verbally to the Committee that another annual audit had just been completed and the issue of the LRMP action had been rolled into the new action list (attached in this summary). The full report will be distributed for discussion at the May meeting. In the meanwhile, Matt explained to the group the background to the recommendation relating to the LRMP. In short, the LRMP requires a periodical review to ensure that any proposed works are in line with current best practice. Matt reassured the Committee that this was in fact happening but that documentation to show that such reviews had been occurring had not been kept. Holcim will be adding a process step to ensure that this happens in the future.</p>	

This closes out this action item.	
<p><b>Net gain Offset Area – Future management</b></p> <p><i>Action 46.2 ERC to be advised of ongoing arrangements to the management of the NGOM areas.</i></p> <p>The past development and management of the Net Gain Offset areas has been conducted under the auspices of a Section 173 agreement that finished on the 30<sup>th</sup> June 2018. At that time, the Committee was very interested to understand what steps were being taken to ensure that Net Gain site had met the plans requirements and also what ongoing management arrangements were proposed after 30 June 2018.</p> <p>In September, Matt tabled a Biosis report which overviewed the work on the site and recommended certain ongoing management steps. Matt explained that he would continue to report on these actions as part of the quarterly reporting process.</p> <p>Council has also undertaken a site visit (23<sup>rd</sup> January) to audit the site. Mel, Emma and Cassie and Heather were all present at the visit. At this meeting, Cassie shared her observations with the Committee that the state of the site was very pleasing, both in terms of plant growth, the lack of weeds, and that the outcomes complied with the requirements under the Net Gain Offset plan. Council was also happy with the ongoing management recommendations put forward by Biosis and the accompanying commitment from Holcim to implement and monitor these recommendations. These will be reported to the Committee in the quarterly report.</p> <p>The Committee also discussed other broader rehabilitation issues and these have been captured in a new action item. The closes out this particular item.</p>	
<p><b>Notification regarding blasting</b></p> <p><i>Action 48.1 Chairperson to email community member regarding notification of blasting.</i></p> <p>In November 2018 the Committee agreed that it was sometimes helpful for people to have advance notice of a blast taking place rather than being surprised by its occurrence. It was suggested that an offer be extended that the quarry would be happy to text an advice regarding planned blasts. Lisa contacted the community members for whom she had details to let them know that they are welcome to ask the quarry to do this for them by ringing Matt directly.</p> <p>The closes out this item.</p>	

## Environment Management Quarterly Report

Matt presented the quarterly report to the Committee covering the period from October 2018 to December 2018.

### Site Update

There was not a great deal to add to the written report. Rehabilitation and weed management works are continuing. Matt also reported that active watering was taking place to maximise the retention of revegetation, sometimes up to four times a day.

The non-conformance continued for landfill waste however this has reduced.

Matt explained that a new location had been identified for reactive dust monitoring which meant that there were now sensitive monitoring locations at all four corners of the site.

### Audit action update

Nothing more to report.

### Complaints

There was one Pakenham Road resident wished to have noted that they heard a particular blast.

### Air quality - Dust

There were no non-conformances.

### Noise and vibration results

There were no non-conformances.

### Blasting

There were no exceedences.

**Surface Water, Drainage, Ground Water and Bore water Measurements**

There were no exceedences.

**Waste Management**

The waste management volumes are still slightly above the annual target and therefore a non- conformance. Holcim is working on this issue as reported previously.

**Traffic Management**

There were no non-conformances.

<b>New business, discussions and actions arising from this meeting</b>	<b>Person Responsible</b>
No new actions to report	

**Other discussions**

**Auditing of site progress on rehabilitation plan**

The recent Council (Responsible Authority) audit of the Net Gain Offset Area against the Management Plan has highlighted the benefit of planning for such a process that more broadly captures the overall and progressive rehabilitation of the site as extraction continues and terminal faces are created. The ERR has confirmed that a site audit is planned for the next financial year that will include a review of rehabilitation progress. It was also agreed that the site tour for Committee members would include visiting rehabilitation areas around the periphery of the quarry. This is partly in response to an observation that some trees in the original Phase (A,B, and C) plantings may have failed and a question around the need / responsibility for replacing and maintaining these trees but is more broadly proposed to allow all Committee members to see first-hand how each of the rehabilitation areas are progressing.

**Update on quarry end use**

This item is placed on the agenda at the first meeting of each year to allow the Committee to be formally updated with any information regarding the remaining expected life of the quarry and possible end use considerations for the site. The purpose of this Committee is on the implementation of the EMP, including compliance with the rehabilitation plan, however the end use of the quarry is of interest to the local community. At this point, there was no particular information to share regarding these issues. Information regarding remaining supply is commercially sensitive and Council and Holcim have yet to finalise a confidentiality agreement. The quarry is still in Stage 2 (of 4) of its extraction plan and therefore has some years to go. Holcim expressed the intention to engage with the Committee at least two years prior to the end of its quarrying life. It was also agreed by the Committee that at the May 2019 meeting, Neville and Don would present the ideas they have previously put forward to Council (via Craig Lyon) as a way of generating some thinking on the issue. Lisa will ensure this is added to the agenda and the presentation distributed prior to the meeting.

**Pony club ‘Thank you’**

Rosemary expressed thanks (on behalf of the Pony Club) for the support given by Holcim in relation to a recent event. Holcim moved cattle and made some ‘more level’ ground available for parking for the participants and this was greatly appreciated.

## Meeting Dates

Remaining meeting dates for 2019 are:

Wednesday 15 <sup>th</sup> May	2.30 Site tour 4.00pm Committee meeting
Wednesday 18 <sup>th</sup> September	4.00pm Committee meeting (At Shire of Cardinia offices)
Wednesday 20 <sup>th</sup> November	2.30 Site tour 4.00pm Committee meeting

## Items for consideration at next revision of EMP

### **Understory Plantings**

Consider multi species plantings for understory areas where original revegetation / screening plantings only included a single species of tree. This should be done as soon as practicable after trees thin out to allow for successful planting

### **Quarterly reporting of LRMP activities and outcomes**

Should the LRMP report be quarterly, six monthly or annual?

## Attachment: Summary of annual audit

### Holcim Pakenham Quarry – EMP Audit, Feb 2019

#### Closing Meeting, 12pm 20<sup>th</sup> Feb

Attendees: S Leverton (Auditor), M Dodd (QM), J Everett (technical officer)

#### Commendable Practices & Outcomes

- Monitoring data (air, noise, water) show compliance
- Off-set area shows excellent progress at 10 year audit stage
- Rehabilitation areas progressing well
- Auditor's observations of dust in quarry were very positive.
- Commendably, Holcim has developed a bushfire management plan in consultation with local CFA (who sent members to inspect the site late in 2018).

#### Non-Conformances (in bold, 5) and Suggested Improvement Actions (16)

- Training – review John Everett's training status. Consider refresher training in water quality monitoring/sampling (Eurofins?), chemicals handling (weed spraying), noise measurements (acoustic consultant). Certificates must be issued and trainers comply with procedure at Appendix 1 of EMP.
- **Weather monitoring station in QMs office not working (mnc)**
- BA's summary reports should contain the following additional information –
  - Commentary where data deviates from what is considered 'normal' (e.g. A7, June; A1, August).
  - Provide specifications of measurement device (DustTrak? Model?)
  - Explanation of why PM10 readout for A1 shows zero baseline
- BA recommended relocation of 'background' reactive monitor to a sensitive receptor (subject to ERC agreement). This should be progressed as soon as possible. It is suggested that the monitor be located at A6.
- **DustTrak** calibration certificates to be sighted, and sample of laboratory reports for deposition.
- Schedule needs to be revised to include location of background, and reference in table of locations.
- N8 needs to be removed from field log form. Field form should include noise level used to calibrate SLM.
- The Blasting Checklist being used is a different and shorter version than the one shown in Appendix 8 – App 8 needs to be revised in the next EMP review to reflect this.
- Only one resident texted – Don Petty. This is different to what is stated in the procedure at App 8.

10. **Add slope stability inspection to blasting checklist, and include inspection report with blast documentation. Given relative stability of slopes observed from monthly inspections, post-blast inspections may no longer be warranted, however this should be risk-assessed and ERC input sought. (mnc)**
11. Amend EMP to reflect changes in EPA Licence conditions.
12. Amend water sampling procedure to reflect current EPA Licence conditions. Include measurement equipment calibration steps in the procedure.
13. Pink copy of WTC needs to be lodged with EPA within 7 days of consignment. Holcim personnel signing off WTC need to be aware of how to complete Part A correctly — EPA guidelines should be referenced for this. However, no paper WTC's needed if using an accredited agent.
14. Holcim should implement the recommendations contained in the groundwater consultant's annual report, including revisions of the relevant section of the EMP (after consulting with ERC members).
15. Holcim should implement the recommendations of the AECOM report to ensure slope stability is monitored effectively, dams are stabilised, and risk of downslope damage is mitigated.
16. Get Naturelinks to indicate on a site plan where they have been spraying weeds.
17. The frequency of inspections currently being undertaken is different from that specified in the EMP (Appendix 11) — this needs to be corrected at EMP review.
18. Holcim should prioritise energy audit recommendations based on energy saved, and focus on implementing those that save the most energy first.
19. Some co-mingling of waste noted (prescribed waste in landfill skip). Toolbox waste segregation and develop pictorial guides to post at key collection points.
20. Wood waste in landfill skip at graveyard — should be recycled.
21. **Diesel AST at quarry pit pump not bunded. (mnc)**
22. **Not known whether target met for housekeeping non-conformances. Site needs to start scoring NCs for each inspection to accurately measure this metric. (mnc)**
23. **The LRMP is not being periodically reviewed as required. It should therefore be reviewed (“ensure that it contains up to date and relevant land management practices”) before the next stage of rehab works commences, and outcomes documented and presented to ERC for comment and agreement. (mnc)**

## Attachment: GO 10 Year Council Audit communication

21 February 2019



Holcim Mount Shamrock Quarry Environmental Review Committee  
Mount Shamrock Road,  
PAKENHAM 3810

[lisa@allpossibilities.com.au](mailto:lisa@allpossibilities.com.au)

We refer to the site visit undertaken by Council officers on 23 January 2019 at the Net Gain site at the Mount Shamrock Quarry (Holcim).

By way of background, an Offset Management Plan was developed by Biosis Research in 2007 to ensure that the offsets required to compensate for the losses associated with the quarry expansion at Mount Shamrock were achieved through the protection and management of the offset site. The 10 year management period commenced on 1 July 2008, with monitoring reports being prepared throughout the ensuing 10 year period. It was a requirement that by the end of the 10 year period (30 June 2018), that a final monitoring report be undertaken 10 years after planting to evaluate performance and thus compliance with the planning permit.

Biosis prepared a final monitoring report (dated 20 June 2018) which summarised the progress during year 10 relating to offset requirements and implementation of the management actions detailed in the Offset Management Plan. This was presented to the Holcim Mount Shamrock Quarry Environmental Review Committee at their meeting on 19 September 2018. An action which arose from this meeting was for the relevant Council officers to undertake a site visit of the net gain offsite area prior to the next Committee meeting.

Council's Vegetation Management Officer (Cassie Lukes), Biodiversity Planner (Heather Stewart) and Senior Statutory Planner (Emma Brennan) attended the site visit. It was found that the net gain and revegetation sites showed good health of the vegetation present, along with great density of plantings, retention of any fallen trees/limbs and very little presence of herbaceous weeds.

It was concluded by Council officers that the 10 year net gain report by Biosis appears to be accurate and the recommendations/further actions are supported for the long-term health of the site, specifically those recommendations relating to monitoring of grassy, herbaceous and woody weeds, as well as pest animal species.

It is recommended that a list of species and quantities of plantings on the terminal faces (and the success rates) be provided to Council for record keeping purposes.

If you have any further queries regarding this matter, please contact Council on 1300 787 624 or [mail@cardinia.vic.gov.au](mailto:mail@cardinia.vic.gov.au)

Yours faithfully,

Statutory Planning Department  
Cardinia Shire Council