

CEMEX MT.SHAMROCK QUARRY ENVIRONMENT REVIEW COMMITTEE

Meeting Summary

31st July 2088 (5pm – 6.50pm)

Cemex quarry,

Mt. Shamrock Rd, Pakenham

Committee Members Present:	Adam MacKenzie	Cemex
	Nathan Thomas	
	Damien Vardy	
	Aaron Price	
Apologies:	Ian Stevenson	Shire of Cardinia
	Councillor Bill Pearson	
	Ian McLeod	Department of Primary Industries
	David Grace	Dept. Sustainability and Environment
	Don Petty	Local Community Representative
	Joy Carberry	
	Andrew Radojkovic	Department of Primary Industries
	Terry Flynn	Southern Rural Water
	George Tsvoulidis	Environment Protection Authority
	Elsa Rohrlach	
	Mark D'Agostino	Department of Human Services
	Robert Ogden (for Stephen Compton)	Bunurong Aboriginal Land Council Corporation
	Fay Stewart-Muir	Boon wurrung Foundation
	Megan Goulding	Wurundjeri Tribe Land & Compensation Cultural Heritage Council
Chairperson	Lisa Barrand (Chairperson)	Possibilities Pty Ltd
	Angela Wood (minutes)	

Description	Actions
<p>Welcome and apologies</p> <p>Lisa welcomed all Committee members to the meeting and apologies were noted. Lisa formally thanked Nathan and the Cemex representatives for taking the ERC members on a very interesting tour of the quarry site which included meeting the site revegetation contractor Mike Cleeland and looking at the Stage A and B plantings, the extension area, the water reticulation system and Donnazan's Dam. Cemex were also thanked for providing the meeting venue and a great afternoon tea.</p>	

<p>Site Update - Operations</p> <p>Nathan Thomas informed the Committee that since the last meeting:</p> <ul style="list-style-type: none"> - The quarry had continued to strip the overburden from the extension site and that this activity would continue for the next 4 – 5 weeks before coming to a conclusion. The majority of the overburden is being stored inside the quarry. - 5 blast shots had been fired in the extension site under the provisions of the new Work Authority for the extension site and all had gone well. The last shot to be made under the current Work Authority will take place next week. - Road access work was continuing in the extension site. - A water based wheel wash system to clean truck wheels prior to leaving the site had been installed and was achieving good results (as seen by the amount of sediment collected in the pit) however it requires an upgraded pump to be fully effective. This pump should be operational by next week and Nathan expects this system to result in a significant improvement in the condition of Mt. Shamrock Road. 	
<p>Update on actions agreed at previous meetings</p> <p>Change of name</p> <p><i>Action 2.1 Readymix has now formally changed its name to Cemex. This ERC will now be known as the Cemex Mt. Shamrock ERC. The Chairperson to advise authorities accordingly.</i></p> <p>Note: Letters have been sent to all authorities.</p> <p>Pest monitoring</p> <p><i>Action 2.2 It was suggested that weed control reports should specify weed species and also that Cemex consider a fox strategy – Ian Stevenson to provide contacts.</i></p> <p>Note: Based on the Committees conversations with Mike Cleeland, it would appear that any viable fox strategy would require a very concerted, long term effort that drew in the broader community and therefore may be difficult to sustain.</p> <p>Ease of making complaints</p> <p><i>Action 2.3 It is suggested that the Cardinia Shire Council list relevant numbers (Cemex quarry, DPI, EPA etc) on the webpage that will be created for ERC meeting summaries.</i></p> <p>Note: A dedicated webpage for the ERC has temporarily been created on the www.AllPossibilites.com.au website and all relevant numbers have been included. The final location for the webpage is still being discussed. It was also noted that the local telephone book contains direct phone numbers for the Mt. Shamrock quarry both in the yellow and the white pages.</p> <p>Complaints monitoring – noise</p> <p><i>Action 2.4 Sandra Kasunic requested that Cemex check the number and location of noise monitoring stations against the DPI requirements that have been communicated in the past.</i></p> <p>Note: Adam MacKenzie noted that in meeting discussions with the relevant authorities that took place prior to the adoption of the EMP there had been mention of an additional monitoring station at the Waterhouse site however the final EMP made no mention of this additional station as a requirement. Nevertheless the company has been undertaking additional hand monitoring of noise at the Waterhouse site and the results are being reported in the monthly Environment Management Reports.</p>	<p>Completed</p> <p>Completed</p> <p>Completed</p> <p>Completed</p>

<p>Net Gain Management</p> <p><i>Action 2.7 The process of determining which species are to be planted is to be confirmed. During the July meeting it was also agreed that a subgroup will review the documents (including the landscape and rehabilitation management plan) with a view to offering suggestions for improvement, noting that these documents are part of the approved EMP. Suggestions to be presented at the October meeting.</i></p> <p>Interim Archaeological report</p> <p><i>Action 2.8 The ERC requested that ongoing progress reports be provided to the ERC from the Cemex consultant – Biosis. These reports are requested to be more detailed than the one page summary provided (Attachment One). It was also requested that the final report be produced as quickly as possible.</i></p> <p>Note: The Committee noted the report that was tabled by Adam MacKenzie and that the final report is due to be tabled at the October meeting. The archaeologist in charge of the project, Jenny Fiddian will be invited to attend.</p> <p>Complaint regarding dump truck driver</p> <p><i>Action 2.9 Cemex to investigate incident where a member of the community had allegedly nearly been run off the road by a dump truck and that the person had reported the incident to Matt Shinnars (former quarry manager).</i></p> <p>Note: Adam MacKenzie reported that without information regarding the license plate or other identifying features of the vehicle, it was impossible for Cemex to follow up such complaints. Any such incident should be reported to the police immediately by ringing 000.</p>	<p>Aaron Price, Ian Stevenson, Joy Carberry, David Grace</p> <p>Completed</p> <p>Completed</p>
<p>Actions arising</p> <p>Website</p> <p><i>Action 3.1 All members are requested to look at the current webpage for the Mt. Shamrock ERC and to forward any suggestions directly to Lisa Barrand.</i></p> <p>Meeting summaries</p> <p>A concern was expressed that the April 08 meeting summary had omitted a point of discussion.</p> <p><i>Action 3.2 All members are requested to review the draft meeting summary when it distributed and to advise Lisa Barrand of any omissions or errors within 7 days so that amendments to be made.</i></p>	<p>All</p> <p>All</p>
<p>Environment Management report</p> <p>Aaron Price presented the first of Cemex’s quarterly environmental monitoring reports covering the period from the 14/04/2008 – 14/07/2008. During discussions, Aaron Price and the company were commended on the quality and presentation of the report and it was noted that the reporting approach was very helpful to the ERC in its work.</p> <p>The following points capture the key discussions and specific actions agreed:</p> <p>Purpose and content of the quarterly report</p> <p>Aaron pointed out that the quarterly report is a synopsis of the monitoring outcomes from the previous three months of individual reports that all ERC members have already received. The quarterly report also identifies any non-compliances. Although not required as part of the EMP, this quarterly report is intended to provide plain language information for interested parties about what has been happening at the quarry. The Committee made a number of suggestions for further improving the report such as the inclusion of legends and maps. Aaron has made these changes in the copy of the quarterly report that is attached to this meeting summary.</p>	

<p>Nathan Thomas also flagged that he will add further operational information to the report including the additional actions that the company is taking outside of its obligations under the EMP that are helping the company achieve better operational and environmental results.</p> <p>Dust monitoring equipment</p> <p>Cemex is still awaiting the delivery of the dust monitoring equipment which is currently with customs. It is hoped that the equipment will be installed and operational next month. This equipment will monitor dust on an hourly basis and will automatically alert quarry management of any non-compliances by phone as soon as they occur so that appropriate action can be taken.</p> <p>Noise monitoring – frequency of monitoring</p> <p>The EMP requires that daily monitoring of noise be conducted until ‘consistent compliance’ is obtained after which time the monitoring can take place on a fortnightly basis. The results now show that results are stable and consistently under the limit. As a courtesy, Aaron requested the views of the ERC about moving to fortnightly monitoring. After discussion, it was agreed that daily monitoring continue at N7 (the Waterhouse property) until the overburden removal process was complete and that monitoring at the other stations would now take place fortnightly.</p> <p>Noise monitoring – additional monitoring</p> <p>Nathan Thomas reported that the quarry intends to undertake a program of additional voluntary noise monitoring at locations outside of the quarry that are at the level of the quarry rim to gauge noise impact. This will be done using hand held devices and will include, at the suggestion of Committee members, Hein Road. Cemex will report their findings at the next meeting.</p> <p>Bore water levels</p> <p>Aaron reported that he had monitored for changes in the levels of the quarry bores over the past three months, which showed minimal change and that much longer term monitoring was required to establish if any changes had taken place.</p> <p>Water discharge and salt levels (TDS)</p> <p>The Committee discussed at length the reasons behind the ‘minimal discharge from site’ approach (as requested by the EPA) and the salt (TDS) limits that had been imposed on any discharge water in accordance with the EMP. To comply with the EPA request, Cemex has installed a comprehensive water reticulation system to ensure there is minimal water being discharged from the site. The Committee noted that limiting water discharge reduces the environmental flows entering the small creek that flows below Donnazan’s Dam. As such, there may be environmental consequences including to the riparian vegetation.</p> <p>The salt tolerances as set out in the EMP (650 TDS) appeared quite extreme to some members of the Committee and are apparently less than the salt levels found in springs around the quarry site. During the ground water / surface water EES study, it was found that the surrounding water TDS levels were higher than the current 650 TDS limit imposed on water discharged from the quarry.</p> <p><i>Action 3.3 Cemex to undertake discussions with the EPA to review the salt (TDS) tolerances on discharge water and discuss the impact of not having sufficient environmental flows downstream of Donnazan’s Dam.</i></p>	<p>A MacKenzie, E Rohrlach</p>
<p>Other business</p> <p>None</p>	
<p>Next meeting</p> <p>The next meeting of the ERC will be held on Thursday 23rd October 4 -6pm at the Cemex quarry, Mt. Shamrock Road, Pakenham.</p>	

Suggestions for the next review of EMP

Note: The ERC agreed to maintain a list of possible review points for discussion when the EMP is reviewed (every five years)

- Revegetation plan – review the species mix of revegetation and planting patterns with a view to increasing the habitat value (in addition to the visual barrier) value.

Attachment One



Mr. Adam MacKenzie
Readymix Holdings
Cochran Rd
Kew

29 July 2008

Re: Mt Shamrock archaeological excavation of site AAV7921/0680

Dear Adam,

I am writing to provide you with an update on the status of the archaeological report of the excavation of Aboriginal site AAV7921/0680 at Readymix Mt Shamrock Quarry, Pakenham.

During the course of the excavation and continued sieving of the excavated soil, an estimated 9-10,000 stone artefacts were recovered. The exact number is not known yet. The artefacts are consistent with campsite activities such as food processing, tool making, woodworking and hide working. Several axe heads and grinding stones were recovered. Artefacts were made from a variety of materials including quartz, silcrete, quartzite, basalt and crystal quartz.

Artefact analysis is continuing but not complete yet. The process involves initially washing and drying the artefacts so that detailed analysis can be made. Then each artefact is examined under light and with a magnifying glass or microscope to determine what characteristics are present. The type of stone is noted along with the colour, this can provide information about stone sources or trading of stone. Characteristics including the type of artefact, whether it has been retouched to produce a specific tool and whether there are signs of usewear are all noted. Technical characteristics such as the type of platform and termination are noted. This provides information on manufacturing techniques. Each artefact is measure for length, width and thickness and the artefacts are photographed. Artefacts are kept in their excavation units so that information regarding spatial distribution, location and association can be interpreted. All the information is included in a database and will be part of the report.

The artefact data provide information on the activities that were being undertaken on site, and to some extent whether different activities were being carried out in different parts of the site. For example a concentration of debitage, waste flakes and cores may indicate a tool making area.

Biosis Research Pty. Ltd. A.B.N. 69 046 125 611
89 Baita Street, Port Melbourne, Victoria 3207
Phone: (03) 9449 4429 Fax: (03) 9449 0042
Email: info@our.mtshamrockquarry.com.au