



Ms Margaret Kirton
 Senior Planner
 Resource Assessment
 NSW Dept of Planning and Environment
 PO Box 39
 Sydney NSW 2001

Boral Limited
 Boral Resources (NSW) Pty Ltd
 ABN 1300 842 1761
 Boral Peppertree Quarry
 843 Marulan South Rd
 MARULAN SOUTH NSW 2579
 T: +61 (02) 4841 1701
 www.boral.com.au/peppertreequarry

26 October 2016

Dear Ms Kirton

**Peppertree Quarry (MP 06_0074)
 Independent Audit
 Response to recommendations**

We refer to Peppertree Quarry (MP 06_0074), Condition 5, Schedule 5, requiring an Independent Audit to be conducted on the operations' compliance with the Conditions of Consent. This Condition requires that the Independent Audit Report be issued to the Department, accompanied with a response to the recommendations contained in the Audit Report.

Attached is the Independent Audit Report on Peppertree Quarry issued to Boral on 24 October 2016.

The Independent Audit has provided valued feedback to the Peppertree operations. Our responses are listed below in line with the Report's Table 8 "summary of Opportunities for Improvement".

No.	Consent condition/ issue	Recommendation	Response	Due date
PQ 1/15	Sched 2, C 12 Operations of Plant and Equipment	When management plans or monitoring programs are due for renewal/review, ensure formal approval from DP&E is received.	Revised Management plans are due to be issued to the Department of planning by the 30 November 2016. Follow up will be made with the Department to ensure approval is received.	Initial follow up will be made by 20 th December as to any recommendations and by 30 th January 2017 for approval .
PQ 3/15	Sched 3, C 23 Surface and Groundwater	Review design of dam to determine if additional retention basin is required.	Additional sediment control structures to be installed and maintenance system to be established	30 December 2016



No.	Consent condition/ issue	Recommendation	Response	Due date
PQ 3/15	Sched 3, C 26 Surface and Groundwater	A copy of the WMP should be submitted to NOW, EPA and Sydney Catchment Authority for review and comment.	The drafted Revised WMP will be submitted to NOW, EPA and Sydney Catchment Authority for review and comment.	Submission to authorities by October 13 2016 with follow up meetings where possible
PQ 4/15	Sched 3, 28 Surface and Groundwater	The ESCP should be revised to address the requirements of the Blue Book.	Revised management plans are being drafted and the ESCP will be revised to address the requirements of the Blue Book	30 November 2016
PQ 5/15	Sched 3, 29 Surface and Groundwater	When the SWMP is due for revision, baseline data on surface water flows and quality in Tangarang Creek and Barkers Creek will need to be included.	Revised management plans are being drafted and the SWMP will be revised to include baseline data on surface water flows and quality in Tangarang Creek and Barkers Creek	30 November 2016
PQ 6/15	Sched 3, C 32 Aboriginal Heritage	Ensure Peppertree Quarry website is updated and easily accessible	The website review has now been included in the Boral electronic work tracking system (EAM) to trigger alerts when the review is due.	10 November 2016
PQ 7/15	Sched 3, C 34	When the LRMP is due for revision, it will need to provide greater clarity on the short, medium and long term rehabilitation measures. The monitoring performance of these measures will need to be defined as well as the completion criteria.	A new biodiversity and rehabilitation management plan is being prepared and will include these measures.	28 February 2017
PQ 8/15	Sched 3, C 37 Visual Impact	Implement recommendations of Compliance Lighting Audit including: <ul style="list-style-type: none"> • adjust lighting fixers on the side of buildings to ensure the main beam angle is kept below 70 degrees as recommended in AS 4282; • review the type of permanent night lighting used. HPS lamps emit a softer orange light than the intense white light of the metal halide. • reduce height of fixed lighting structures on buildings as much as possible to reduce light spill and skyglow; • consider formalising a protocol for 	A Change Management risk assessment has been conducted on the implementation of the recommendations of the lighting audit. It has identified potential safety issues with the changes to lighting as areas of coverage may be reduced and a delay in lighting coming on in emergency situations. Management practices are still being reviewed as to what is achievable. Individual concerns expressed by any residences will be addressed	Complete review February 2017



No.	Consent condition/ issue	Recommendation	Response	Due date
		<p>use of lighting at the Quarry that is considered appropriate for safety and occurs routinely;</p> <ul style="list-style-type: none"> • investigate options to turn off lighting sources in areas of low use; and • if complaints are received in relation to the Quarry these recommendations should be revisited." 		
PQ 9/15	Sched 3, C 41 Waste Management	<p>It is recommended Boral implement and monitor waste minimisation strategies to determine further areas of improvement. The monthly invoices provided by Remondis could be used to track the amount of waste produced by Boral. The identified areas of improvement should be discussed in the Annual Review. It is also suggested that more detail be included in the waste management review in the Annual Review including assessment of waste management and minimisation actions undertaken by Boral.</p>	<p>A Waste management plan is being prepared to identify and detail waste management practices onsite including the capture of data.</p>	January 2017
PQ 10/15	Sched 3, C 43 Emergency and Hazards Management	<p>Ensure all oil/lubricant products are stored appropriately with self-contained bunding.</p>	<p>A review of oil storage bunding has been conducted and plans developed for improvements</p>	Implementation of plans by December 2016
PQ 11/15	Sched 5, C 1 Environmental Management Strategy	<p>Update document to acknowledge EPL and all applicable requirements including the protocol for reporting exceedances.</p> <p>When EMS is due for renewal/review, ensure formal approval from Director-General is received.</p>	<p>A Revised Environmental Management Strategy is being drafted and will be revised to address the EPL and all applicable requirements including the protocol for reporting exceedances</p>	30 November 2016
PQ 12/15	Sched 5, C 3 Incident Reporting	<p>It is recommended that Boral ensures the deadline of reporting an exceedance/incident to the Department and relevant agencies is met.</p>	<p>Boral management are made aware of exceedances/incidents. Follow up will be made to ensure reporting to the Department and relevant agencies is met.</p>	ongoing



No.	Consent condition/ issue	Recommendation	Response	Due date
PQ 13/15	Sched 5, C 4 Annual Reviews	It is recommended that Boral complete and submit all outstanding Annual Reviews. As per the requirements of the condition, all future Annual Reviews will need to be completed by March of the following year. It is suggested Boral create a schedule with an internal deadline at least one month prior to the deadline to the Director-General to ensure all future Annual Review deadlines are met.	All AEMRs have been submitted. The preparation and submission of the AEMR has now been included in the Boral electronic work tracking system (EAM) to trigger alerts when the AEMR requires preparation and is due.	10 November 2016
PQ 14/15	Sched 5, C 7 Revision of Strategies, Plans and Programs	It is recommended Boral completes the reviews and any necessary revisions of the incident reports completed in 2015 and maintain this documentation in the future.	Revised Management plans are due to be issued to the Department of planning by the 30 November 2016. Finding and recommendations from 2015 incidents will be included.	30 November 2016
PQ 15/15	Sched 5, C 10 Community Consultative Committee	Boral could make documents available on the website more regularly and ensure the documents on the website are up to date with the latest version.	The website review has now been included in the Boral electronic work tracking system (EAM) to trigger alerts when the review is due.	10 November 2016

We are utilising our current management systems to assist in the implementation of a number of the recommendations outlined above. Following the Departments approval of our new management plans we will also include key dates and performance criteria within the system.

If you require any further information regarding the above, please contact Sharon Makin, Environmental Advisor, on 0401 894 185.

Yours sincerely

Angus Shedden
Manager Peppertree Quarry