

Independent Environmental Audit Cooma Road Quarry

transport | community | mining | industrial | food & beverage | energy



Prepared for:

Holcim Australia

Client representative:

Rachel Heath

Date:

09 February 2018

Rev01 Final

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Prepared by: **Avanish Panikkar** Date: 11 January 2018

Reviewed by: **Ken Holmes** Date: 12 January 2018

Authorised by: **Ken Holmes** Date: 12 January 2018

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Executive Summary

Pitt&sherry was engaged by Holcim (Australia), to conduct an Independent Environmental Audit (IEA) of the Cooma Road Quarry located approximately 6 kilometres south of Queanbeyan, New South Wales (NSW). The audit comprised a site inspection on Friday the 1st of December 2017, document review, interviews with personnel, consultation with agencies and reporting of the findings. The audit was undertaken to meet the brief outlined in the **Pitt&sherry** Proposal (dated 27 October 2017). As such, the audit provides an assessment of the environmental performance of the project by way of compliance with the requirements and conditions of the following regulatory approvals and provides recommendations to improve the environmental performance of the project.

- Development Consent (SSD_5109)
- Statement of Commitments
- Environmental Protection Licence (EPL) No. 1453
- Water Approval No. 40WA413082.

The IEA was required in accordance with Schedule 5, condition 10 of the Development Consent (SSD_5109) – MOD 1 for the quarry. In line with this, an initial independent external environmental audit was to be undertaken within a year of the date of the consent and every 3 years thereafter. This is the first three yearly IEA to be conducted at the site and second IEA as per this condition.

The site inspection and interviews identified a number of issues that need to be addressed and these are outlined in the compliance section of this audit report (Table 4) as well as summarised below.


Non-compliances identified in the previous audit have been satisfactorily addressed by the auditee. In general, operational environmental management activities observed during the site inspection were being carried out in a competent manner, with very few non-compliances identified by the Auditor. Those non-compliances and observations are detailed in the body of this report.

During this audit, some critical information requested by the Auditor, relating to specific conditions of consent, EPL and Water Licence was not available for review.

During the site inspection, opportunities for improvement were identified in the following areas:

- Records Management
- Water data recording
- Dangerous Goods / Waste storage.

Auditor Certification

Independent Audit Certification Form	
Development Name	Cooma Road Quarry
Development Consent No.	Development Consent (SSD_5109) - MOD 1
Description of Development	Hard rock quarry
Development Address	500 Old Cooma Road, Queanbeyan NSW
Proponent	Holcim (Australia) Pty Ltd
Operator Address	
Independent Audit	
Title of Audit	Cooma Road Quarry Independent Environmental Audit
<p><i>I certify that I have undertaken the independent audit and prepared the contents of the attached independent audit report and to the best of my knowledge:</i></p> <ul style="list-style-type: none"> <i>The audit has been undertaken in accordance with relevant approval condition(s) and in accordance with the auditing standard AS/NZS ISO 19011:2011 and Post Approval Guidelines – Independent Audits</i> <i>The findings of the audit are reported truthfully, accurately and completely;</i> <i>I have exercised due diligence and professional judgement in conducting the audit;</i> <i>I have acted professionally, in an unbiased manner and did not allow undue influence to limit or over-ride objectivity in conducting the audit;</i> <i>I am not related to any owner or operator of the development as an employer, business partner, employee, sharing a common employer, having a contractual arrangement outside the audit, spouse, partner, sibling, parent, or child;</i> <i>I do not have any pecuniary interest in the audited development, including where there is a reasonable likelihood or expectation of financial gain or loss to me or to a person to whom I am closely related (i.e. immediate family);</i> <i>Neither I nor my employer have provided consultancy services for the audited development that were subject to this audit except as otherwise declared to the lead regulator prior to the audit; and</i> <i>I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from fair payment) from any owner or operator of the development, their employees or any interested party. I have not knowingly allowed, nor intend to allow my colleagues to do so.</i> <p><i>Note.</i></p> <p><i>a) The Independent Audit is an ‘environmental audit’ for the purposes of section 122B(2) of the Environmental Planning and Assessment Act 1979. Section 122E provides that a person must not include false or misleading information (or provide information for inclusion in) an audit report produced to the Minister in connection with an environmental audit if the person knows that the information is false or misleading in a material respect. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000.</i></p> <p><i>b) The Crimes Act 1900 contains other offences relating to false and misleading information: section 192G (Intention to defraud by false or misleading statement—maximum penalty 5 years imprisonment); sections 307A, 307B and 307C (False or misleading applications/information/documents—maximum penalty 2 years imprisonment or \$22,000, or both).</i></p>	
Signature	
Name of Lead/Principal Auditor	Ken Holmes
Address	4 Baeckea Place, Frenchs Forest, NSW
Email Address	kholmes@pittsh.com.au
Auditor Certification (if relevant)	Exemplar Global 14065
Date	09 February 2018

1. Introduction

pitt&sherry was engaged by Holcim (Australia), to conduct an Independent Environmental Audit (IEA) of the Cooma Road Quarry located approximately 6 kilometres south of Queanbeyan, New South Wales (NSW). The IEA was required in accordance with Schedule 5, condition 10 of the Development Consent (SSD_5109) – MOD 1 for the quarry. In line with this, an initial independent external environmental audit is to be undertaken within a year of the date of the consent and every 3 years thereafter. This is the first three yearly IEA to be conducted at the site. This IEA report details the audit process, presents the audit findings and provides recommendations that if implemented will facilitate improved compliance with environmental approvals.

1.1 Cooma Road Quarry

Holcim (Australia) Pty Ltd operates the Cooma Road Quarry, a hard rock quarry located approximately 6 kilometres south of Queanbeyan, New South Wales (NSW). The Quarry has been operating at the site since 1959. The Cooma Road Quarry Development Consent (SSD_5109) was granted on 27 September 2013 by the NSW Minister for Planning and Infrastructure and has been modified once since this time.

Cooma Road Quarry is considered a significant regional supplier of granite and dacite hard rock aggregates.

1.2 Audit Summary

Audit Title:	Cooma Road Quarry Independent Environmental Audit
Site:	Cooma Road, Queanbeyan
Client Contact:	Rachel Heath
Position:	NSW Planning and Environment Manager
Client:	Holcim (Australia) Pty Ltd
Client Address:	Level 8, 799 Pacific Highway Chatswood NSW 2067
Quarry Address:	500 Old Cooma Road, Queanbeyan NSW
Client Telephone:	02 9412 6600
Client Email:	rachel.heath@lafargeholcim.com
Audit Team:	Ken Holmes – Certified Lead Auditor Dr Avanish Panikkar – Certified Principal Auditor
Auditor's Telephone:	0438 046 261
Auditor's Fax:	(02) 8008 1600
Date of Site Visit	1 December 2017
Audit Scope:	<p>The audit was undertaken to meet the brief outlined in the pitt&sherry Proposal (dated 27 October 2017). As such, the audit provides an assessment of the environmental performance of the project by way of compliance with the requirements and conditions of the following regulatory approvals and provides recommendations to improve the environmental performance of the project.</p> <ul style="list-style-type: none"> • Development Consent (SSD_5109) • Statement of Commitments • Environmental Protection Licence (EPL) No. 1453 • Water Approval No. 40WA413082.

2. Audit Process

The audit process and methodology are described in this section, and comprised the following key undertakings:

- Preliminary planning activities
- Review of information and preparation of a compliance register (audit protocol / checklist)
- Site inspection and interviews:
 - Opening meeting
 - Site inspection
 - Review of relevant records
- Review of additional information provided after the site inspection
- Preparation of this audit report.

2.1 Preliminary Activities

Off-site planning for the site audit comprised:

- Initial discussions with Amy Nelson, Holcim Australia Pty Ltd Planning & Environment Coordinator NSW/ACT, to organise the site inspection
- Review and revise the audit protocol / compliance checklist
- Completion of a **pitt&sherry** Site Risk Assessment
- Submission of a preliminary document / record request.

2.2 Information Review and Compliance Register

Prior to the site inspection, **pitt&sherry** reviewed and revised the compliance register which formed both the audit checklist used during the site inspection and is the compliance register presented in the Appendices of this report. The compliance register specifies the conditions within the Modified Development Consent (SSD_5109_MOD1), Statement of Commitments, Environmental Protection Licence (EPL) No. 1453 and Water Approval No. 40WA413082.

2.3 Site Audit

The audit team conducted the site inspection component of the Cooma Road Quarry audit on Friday 1st December 2017.

2.3.1 Opening meeting

The opening meeting was held on-site at the Cooma Road Quarry, Queanbeyan. It was attended by Amy Nelson (Planning & Environment Coordinator NSW/ACT), Rachel Heath (NSW Planning and Environment Manager), Adam Bertram (Quarry Manager), Peter Hewson (ACT Aggregates Manager) as well as the audit team comprising Ken Holmes (Lead Auditor) and Dr Avanish Panikkar (Principal Auditor). Introductions were made and the purpose and scope of the audit was outlined. An explanation of the audit process was communicated. That is, a site inspection, site interviews and review of records in order to identify compliance with the approval conditions relevant to the current operations at the site.

2.3.2 Site Inspection

A general tour of the site was attended by Amy Nelson, Adam Bertram, Rachel Heath and the audit team, Ken Holmes and Avanish Panikkar. This included observation of the haul roads, active quarry pit, various

compounds, batters, SIP pond and other water retention dams, site delineation survey pegs, concrete waste piles and ERSED controls. Some site photographs are reproduced in **Appendix A** of this report.

2.3.3 Site Interviews

Audit interviews were conducted with the following staff members during the site component of the audit on 1 December 2017:

- Amy Nelson - Planning & Environment Coordinator NSW/ACT
- Rachel Heath – NSW Planning and Environment Manager
- Peter Hewson - ACT Aggregates Manager
- Adam Bertram - Quarry Manager.

2.3.4 Document review

Compliance related documents that were not available during the site component of the audit were requested to be provided following the audit. Amy Nelson and Adam Bertram assisted with the provision of documentation following the audit. It was noted that some information was not available for review or did not exist. Where this occurred, and compliance with a condition was not able to be verified, this was identified in the audit findings. The key documents reviewed during this audit are listed in the Compliance Registers.

2.4 Reporting

The compliance register was completed using notes and observations recorded during the site inspection / interviews and review of appropriate Holcim documentation. The completed compliance registers are presented in **Appendix B**. A summary of the non-compliances identified during this audit are provided in Table 4.

2.4.1 Audit Criteria

The audit criteria used to determine compliance for this audit is based on the definitions presented in Table 1.

Table 1 Compliance assessment criteria

Assessment	Criteria
Compliant	<p>Compliance</p> <p>The site complies with the requirements of applicable regulatory instruments (DA/Licence/Permit) & associated environmental requirements.</p> <p>A judgment made by an auditor that the activities undertaken and the results achieved fulfil the specified requirements of the audit criteria. While further improvements may still be possible, the minimum requirements are being met.</p>
Not Compliant	<p>Non-Compliance</p> <p>Clear evidence has been collected to demonstrate the particular requirement has not been complied with and is within the scope of the audit.</p> <p>Site displays little or no evidence of compliance with the requirements of the regulatory documentation.</p>
Observation	<p>Observation (Minor non-compliance)</p> <p>Evidence of controls being partially in place, but with some gaps evident.</p> <p>* May have an understanding of requirement but cannot verify its implementation.</p>

Not Verified	Where the auditor has not been able to collect sufficient verifiable evidence to demonstrate that the intent and all elements of the requirement of the regulatory approval have been complied with within the scope of the audit. In the absence of sufficient verification, the auditor may in some instances be able to verify by other means (visual inspection, personal communication, etc.) that a requirement has been met. In such a situation, the requirement should still be assessed as not verified. However, the auditor could note in the report that they have no reasons to believe that the operation is non-compliant with that requirement.
N/A	Not Applicable / Not Triggered The respective condition / requirement was not activated within the scope of the audit.
Noted	A statement or fact, where no assessment of compliance is required.

Risk levels for any non-compliances were identified consistent with Table 2.

Table 2 Risk levels for non-compliances

Risk Level	Description
High	Non-compliance with potential for significant environmental consequences, regardless of the likelihood of occurrence.
Medium	Non-compliance with: <ul style="list-style-type: none"> potential for serious environmental consequences, but is unlikely to occur; or potential for moderate environmental consequences, but is likely to occur.
Low	Non-compliance with: <ul style="list-style-type: none"> potential for moderate environmental consequences, but is unlikely to occur; or potential for low environmental consequences, but is likely to occur.
Administrative non-compliance	Only to be applied where the non-compliance does not result in any risk of environmental harm (e.g. submitting a report to government later than required under approval conditions).

3. Statutory Compliance & Recommendations

The environmental performance of the Cooma Road Quarry has been reviewed by assessing compliance against the Development Consent (SSD_5109), Statement of Commitments, Environmental Protection Licence (EPL) No. 1453 and Water Approval No. 40WA413082. Compliance Registers presented in **Appendix B** provide a detailed review of the compliance status of the site, including recommendations to address non-conformances.

3.1 Summary of Compliance Status

A summary of compliance with statutory requirements is provided in Table 3.

Table 3 Summary of Statutory Compliance

Approval/ Licence	No. of Conditions	Compliant	Not Compliant	Observation	Noted	Not Applicable	Not Verified
Development Consent (SSD_5109)	76	44	7	2	6	16	1
Statement of Commitments	21	17	0	0	0	4	0
EPL No. 1453	44	22	4	1	9	6	2
Water Approval No. 40WA413082	17	9	5	1	0	2	0
TOTAL	158	92	16	4	15	28	3

3.2 Non-Compliances and Observations

Observations and Non-compliances identified during the site inspection, interviews and document reviews are recorded in detail in the Compliance Registers in **Appendix B** and are summarised in Table 4. Recommendations have been made to address all identified Non-Compliances and the Observations. Please note that Table 4 excludes conditions that could not be verified as compliant during this IEA.

Table 4 Non-Compliances and Recommendations

#	Condition	Requirement	Observation / Recommendation	Risk Level
O 1	Sch. 3 Cond.1	Transport – Monitoring of Product Transport The Applicant must keep accurate records of: (a) the amount of quarry products transported from the site (monthly and annually) and publish these records on its website on a quarterly basis; and (b) the quantity, destination and source of all laden truck movements to and from the site (hourly, daily, weekly, monthly and annually).	Records of production sighted by the Auditor. It was noted that the AEMR for the calendar year 2016 was signed by NSW Planning and Environment Coordinator and 31 March 2016. The Auditor understands the date is a typographical error. Recommendation: re-date AEMR.	Observation
NC1	Sch. 3 Cond.6	Operational Noise The Applicant must: (a) implement best management practice to minimise the construction, operational and traffic noise of the development; (b) minimise the noise impacts of the development during meteorological conditions when the noise limits in this consent do not apply; (c) maintain the effectiveness of any noise attenuation on equipment to ensure consistency with the benchmark sound power levels presented in the EIS; and (d) regularly assess the results of noise monitoring to ensure compliance with the relevant conditions of this consent, to the satisfaction of the Secretary.	Noise monitoring data is not available for the entire audit period. The Auditee reported that the required data will be included in the next annual report.	Low

#	Condition	Requirement	Observation / Recommendation	Risk Level									
NC2	Sch. 3 Cond.7	<p>Noisie Management Plan The Applicant must prepare and implement a Noise Management Plan for the development to the satisfaction of the Secretary. This plan must:</p> <p>(a) be prepared in consultation with Council and the EPA, and submitted to the Secretary for approval within 6 months of this consent; (b) describe the measures that would be implemented to comply with the:</p> <ul style="list-style-type: none"> • noise criteria in Table 1; • hours of operation in Table 2; and • operating conditions in Condition 7 above; <p>(c) include a monitoring program that:</p> <ul style="list-style-type: none"> • incorporates quarterly (or as otherwise agreed by the Secretary) attended noise monitoring to evaluate the performance of the development against the noise criteria in Table 1; • includes a protocol for determining exceedances of the noise criteria in Table 1; and • assesses the sound power levels of the equipment on site, compares it with the benchmark levels used in the EIS, and evaluates the effectiveness of any attenuation. <p>The Applicant must implement the approved management</p>	<p>Section 6.1 of the plan (2014) refers to quarterly attended noise monitoring however this was not implemented until June 2016. This is now being implemented.</p>	Low									
NC3	Sch. 3 Cond. 9	<p>Blast Monitoring The Applicant must ensure that the blasting on the site does not cause exceedances of the criteria in Table 3. Table 3: Blasting Criteria</p> <table border="1"> <thead> <tr> <th>Location</th> <th>Airblast overpressure (dB(Lin Peak))</th> <th>Ground vibration (mm/s)</th> </tr> </thead> <tbody> <tr> <td></td> <td>120</td> <td>10</td> </tr> <tr> <td>Any residence on privately-owned land</td> <td>115</td> <td>5</td> </tr> </tbody> </table> <p>However, these criteria do not apply if the Applicant has a written agreement with the relevant owner or infrastructure provider/owner, and the Applicant has advised the Department in writing of the terms of this agreement.</p>	Location	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)		120	10	Any residence on privately-owned land	115	5	<p>One blast event logged in INX breach of blasting limit on 14/12/16.</p> <p>Recommendation: Continue to monitor blasts. If exceedances occur in the future, undertake a review of blasting procedures.</p>	Medium
Location	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)											
	120	10											
Any residence on privately-owned land	115	5											

#	Condition	Requirement	Observation / Recommendation	Risk Level
O2	Sch. 3 Cond. 20	<p>Water Management Plan The Applicant must prepare and implement a Water Management Plan for the development to the satisfaction of the Secretary. This plan must be prepared in consultation with the EPA and DPI Water by suitably qualified and experienced person/s whose appointment has been approved by the Secretary, and be submitted to the Secretary for approval within 6 months of the date of this consent. This plan must include a:</p> <p>(a) Site Water Balance that includes details of:</p> <ul style="list-style-type: none"> • sources and security of water supply, including contingency planning; • water use on site; and • measures that would be implemented to minimise use of clean water and maximise recycling of dirty water on the site; <p>(b) Surface Water Management Plan that includes:</p> <ul style="list-style-type: none"> • baseline data on surface water flows and quality in the watercourses that could be affected by the development; • a detailed description of the surface water management system on site, including the design objectives and performance criteria for the: <ul style="list-style-type: none"> - clean water diversions; - erosion and sediment controls; - water storages (including Maximum Harvestable Rights requirements); and - control of water pollution from areas of the site that have been rehabilitated; 	It is recommended that DPI be contacted regarding the finalisation of the Water Management Plan	Observation
NC4	Sch. 3 Cond. 24	<p>Rehabilitation The Applicant must prepare and implement a Rehabilitation Management Plan for the development to the satisfaction of the Secretary. This plan must:</p> <p>(a) be prepared in consultation with DRE, DPI, DPI Water and Council;</p> <p>(b) be submitted to the Secretary for approval within 12 months of the date of this consent;</p> <p>..</p>	It is recommended to follow up with DPI and other relevant agencies to finalise the Rehabilitation Management Plan.	Administrative non-compliance
NC5	Sch. 3 Cond. 30	<p>Waste Prior to importing onto the site any recycled concrete or any other material that may be classified as a waste under the EPA Waste Classification Guidelines 2009 (or its latest version), the Applicant must obtain a 'resource recovery exemption' under the POEO Act and provide evidence of this exemption to the Department.</p> <p>Note: This condition does not apply to routine deliveries to the site.</p>	<p>Concrete waste (from a concrete batching plant) is processed at the site.</p> <p>A Resource Recovery Exemption for that material has not been obtained.</p> <p>Recommendation: Apply for a Resource Recovery Exemption for the concrete wastes processed at the site.</p>	Medium

#	Condition	Requirement	Observation / Recommendation	Risk Level
NC6	Sch. 3 Cond. 31	Waste The Applicant must: (a) minimise the waste generated by the development; and (b) ensure that the waste generated by the development is appropriately stored, handled, and disposed of, to the satisfaction of the Secretary.	A temporary oil drum was sighted outside the waste management bunded area. It is recommended that a drip tray is used to capture any leaks or overflows of waste managed by this drum. Recommendation: It is recommended that this waste oil drum be kept in a drip tray or other suitable mechanism to avoid any leaks affecting stormwater runoff.	Medium
NC7	Sch. 5 Cond. 4	Environmental Management Within 3 months of the submission of an: (a) incident report under condition 7 below; (b) Annual Review under condition 9 below; (c) audit report under condition 10 below; and (d) any modifications to this consent, the Applicant must review, and if necessary revise, the strategies, plans, and programs required under this consent, to the satisfaction of the Secretary. <i>Note:</i> This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the development.	Evidence for review of the Environmental. Evidence for review of the Strategy following modifications to the consent SSD_5109 as per the August 2016 Modification was not provided to the Auditor. Recommendation: Prepare minutes of meetings where documentation Management Reviews and / or procedural document reviews are undertaken.	Low
NC8	EPL Cond O1.1	Licensed activities must be carried out in a competent manner. This includes: a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.	A temporary oil drum was sighted outside the waste management bunded area. Refer NC6	Medium
O3	EPL Cond. M2.2	The record must include details of the following: a) the date and time of the complaint; b) the method by which the complaint was made; c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect; d) the nature of the complaint; e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and f) if no action was taken by the licensee, the reasons why no action was taken.	The method by which the complaint was made is not clear on the two extracts presented. Recommendation: all required details should be noted on the forms.	Observation

#	Condition	Requirement	Observation / Recommendation	Risk Level
NC9	EPL Cond. R1.1	<p>The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:</p> <p>a) a Statement of Compliance; and b) a Monitoring and Complaints Summary.</p> <p>At the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA</p>	<p>The 2017 (1 May 2016 – 30 Apr 2017) Annual Return Form G Statement of Compliance is incomplete. The blasting complaint of March 2017 (as noted in the INX extract) is not noted in the 2017 Annual Return (a similar complaint in 2014 was noted in the 2014 Annual Return).</p> <p>It is recommended to make sure the Annual Reports are complete and signed off by relevant senior personnel.</p>	Medium
NC10	EPL Cond. R1.7	<p>Within the Annual Return, the Statement of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:</p> <p>a) the licence holder; or b) by a person approved in writing by the EPA to sign on behalf of the licence holder.</p>	<p>Annual Return for 2017 is not signed on form H.</p> <p>It is recommended to make sure the Annual Reports are complete and signed off by relevant senior personnel.</p>	Administrative Noncompliance
NC11	EPL Cond. R2.2	<p>The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.</p> <p>Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act</p>	<p>Annual Return 2017 (01/5/16 – 30/4/17) form C did not include the one instance of lower than limits pH (6.3 against lower limit of 6.5) as noted on 1 Sept 2016 (AEMR 2016 and Attachment 4.1H Environmental Monitoring Worksheet for 1/9/16 – 15/9/16). It is recommended to make sure the Annual Reports include all relevant information to be reported.</p>	High
NC12	WAL Cond.1	<p>A logbook must be kept and maintained at the authorised work site or on the property for each water supply work authorised by this approval, unless the work is metered and fitted with a data logger.</p> <p>A logbook is a document, electronic or hard copy, that records specific required information.</p> <p>A metered water supply work is a water supply work fitted with a data logger and a meter that complies with Australian standard as 4747: meters for non-urban water supply.</p>	<p>The logbook doesn't include all relevant details such as the water licence number or other identification of the meter logged. It is recommended to update the logbook with specific details.</p>	Low
NC13	WAL Cond.2	<p>The purpose or purposes for which water is taken, as well as details of the type of crop, area cropped, and dates of planting and harvesting, must be recorded in the logbook each time water is taken.</p>	<p>Only total water usage per month for quarry water usage is available.</p> <p>It is recommended to update the logbook with required specific details.</p>	Low

#	Condition	Requirement	Observation / Recommendation	Risk Level
NC14	WAL Cond.3	<p>Where a water meter is installed on a water supply work authorised by this approval, the meter reading must be recorded in the logbook before taking water. this reading must be recorded every time water is to be taken.</p> <p>A water meter is a device that measures the volume of water that is extracted over a known period of time. examples of a water meter may include a mechanical meter, electromagnetic meter, channel meter with mobile phone, or an authorised meter equivalent.</p>	<p>Only total water usage per month for is available; not per use.</p> <p>It is recommended to update the logbook with required specific details.</p>	Low
NC15	WAL Cond.4	<p>Before water is taken through the water supply work authorised by this approval, confirmation must be recorded in the logbook that cease to take conditions do not apply and water may be taken.</p> <p>The method of confirming that water may be taken, such as visual inspection or internet search, must also be recorded in the logbook.</p> <p>If water may be taken, the:</p> <ol style="list-style-type: none"> a. date, and b. time of the confirmation, and c. flow rate or water level at the reference point in the water source must be recorded in the logbook. <p>Visual inspection means to physically inspect the gauge (or reference point) and confirm flow rate or water level by eye. internet search means to confirm the flow rate or water level at the appropriate gauge by checking the correct website. cease to take conditions means any condition on this approval, or on the access licence under which water is proposed to be taken, that prohibits the taking of water in a particular circumstance.</p>	<p>The logbook doesn't include all the relevant details. It is recommended to update the logbook with specific details.</p>	Low

#	Condition	Requirement	Observation / Recommendation	Risk Level
NC16	WAL Cond.8	<p>The following information must be recorded in the logbook for each period of time that water is taken:</p> <p>a. date, volume of water, start and end time when water was taken as well as the pump capacity per unit of time, and</p> <p>b. the access licence number under which the water is taken, and</p> <p>c. the approval number under which the water is taken, and</p> <p>d. the volume of water taken for domestic consumption and/or stock watering. a logbook is a document, electronic or hard copy, that records specific required information.</p> <p>A metered water supply work is a water supply work fitted with a data logger and a meter that complies with Australian standard as 4747: meters for non-urban water supply.</p>	<p>Only total water usage per month for is available; not per use.</p> <p>It is recommended to update the logbook with required specific details.</p>	Low
O4	WAL Cond.5	<p>Once the approval holder becomes aware of a breach of any condition on this approval, the approval holder must notify the minister as soon as practicable. the minister must be notified by:</p> <p>a. email: information@water.nsw.gov.au, or</p> <p>b. telephone: 1800 353 104. any notification by telephone must also be confirmed in writing within seven (7) business days of the telephone call.</p>	<p>It is recommended that the Water Licence related non-compliances as noted above are reported as per this condition.</p>	Observation

3.3 Opportunities for Improvement

During the site inspection, a range of observations related to environmental risk management and performance were identified. These observations and subsequent recommendations are presented below.

3.3.1 Records/Document Management

Some of the non-compliances identified at the audit relate to management of records/documents. For example: management plans have not been finalised in consultation with relevant authorities.

3.3.2 Water Data Recording

Water Licence specifies the requirements regarding the maintenance of log books for the site water extraction. Not all details are included in the log books as per witnessed 2017 records. Previous years' logbooks were not available to verify at the audit or during the subsequent analysis period.

3.3.3 Dangerous Goods/ Waste Storage

Generally, site waste management has been satisfactory. One observation was made at the site inspection that a waste oil drum was located outside the bunded waste oil area (see Appendix A Photos A and B). It is understood this medium size drum was located this way due to its purpose for temporary oil transfer; it is noted that any leakage can cause waste oil entering the nearby stormwater drain. As such, a drip tray should be used.

Other environmental improvement opportunities, including those identified from conditions where compliance could not be verified, have been provided in Table 5.

Table 5 Improvement Opportunities

Condition	Requirement	Recommendation
WAL Cond.5	<p>Once the approval holder becomes aware of a breach of any condition on this approval, the approval holder must notify the minister as soon as practicable. the minister must be notified by:</p> <p>a. email: information@water.nsw.gov.au, or</p> <p>b. telephone: 1800 353 104. any notification by telephone must also be confirmed in writing within seven (7) business days of the telephone call.</p>	<p>It is recommended that the Water Licence related non-compliances as identified in this audit are reported as per this condition.</p>
Sch.5, Cond 4;	<p>Within 3 months of the submission of an:</p> <p>(a) incident report under condition 7 below;</p> <p>(b) Annual Review under condition 9 below;</p> <p>(c) audit report under condition 10 below; and</p> <p>(d) any modifications to this consent,</p> <p>the Applicant must review, and if necessary revise, the strategies, plans, and programs required under this consent, to the satisfaction of the Secretary.</p> <p>Note: This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the development.</p>	<p>This has been raised as a non-compliance at this audit for lack of evidence of review of the Environmental Management Strategy. It is recommended to be applied to other plans and programs via recording of review meeting discussions in meeting minutes to ensure relevant decisions (such as whether to revise the strategies and plans or not) are recorded.</p>

4. Limitations

This section should be read before reliance is placed on any of the opinions, advice, recommendations or conclusions herein set out.

This report has been prepared for and at the request of Holcim (Australia) Pty Ltd (The Client) pursuant to their appointment of Pitt & Sherry (Operations) Pty Ltd, (**pitt&sherry**), to act as its Independent Environmental Auditor. Save for the Client, no duty is undertaken or warranty or representation made to any party in respect of the opinions, advice, recommendations or conclusions herein set out.

Regard should be had to the terms and conditions of **pitt&sherry's** Proposal when considering this report and reliance to be placed on it.

All work carried out in preparing this report has used, and is based upon, **pitt&sherry's** professional knowledge and understanding of the current relevant environmental legislation.

Changes in the below may cause the opinion, advice, recommendations or conclusions set out in this report to become inappropriate or incorrect. **pitt&sherry** will have no obligation to advise the Client of any such changes, or of their repercussions.

This report is based on observations during the Environmental Audit and information provided by the client. The information collected during the audit is believed to be true and is solely based on visual inspection (or site conditions and documentation presented) and information provided by the auditee. **pitt&sherry** is of the belief that all the information provided by the auditee is correct and true at the time of the audit.

Assessment of the adequacy of any environmental management strategies, plans and programs was limited to a brief desktop review only with regards to the Audit Scope. The EMS was not reviewed against ISO14001.



The content of this report represents the professional opinion of experienced environmental consultants. **pitt&sherry** does not provide specialist legal advice and the advice of appropriate legal professionals may be required.

Appendix A

Site Photographs

Photo Ref	Photo	Comments
A		<p>Waste oil drum located outside the bunded area with nearby storm drain or a capture drain. However no bunds are visible to isolate the hardstand in heavy storm events.</p>
B		<p>Waste oil drum close-up – a drip tray is not used to contain any leaks or spills</p>
C		<p>General waste management</p>

Photo Ref	Photo	Comments
D		Waste filters, spill kit etc
E		Heritage conservation - Moses Morley Kiln
F		SIP dam
G		Quarry active site, two ponds

Photo Ref	Photo	Comments
H		Concrete waste for recycling
I		Active area demarcation peg example

Appendix B

Compliance Registers

Schedule	Condition No.	Title	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
2	1	OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT	In addition to meeting the specific performance criteria established under this consent, the Applicant must implement all reasonable and feasible measures to prevent and/or minimise any material harm to the environment that may result from the construction, operation, or rehabilitation of the development.	-	Noted	-
2	2	TERMS OF CONSENT	The Applicant must carry out the development: (a) generally in accordance with the EIS, SEE (MOD 1) and the Development Layout Plan; and (b) in accordance with the conditions of this consent and Statement of Commitments. Notes: • The Development Layout Plan is included in Appendix 2; and • The Statement of Commitments is included in Appendix 8.	Site inspection (01/12/17) Site interview (01/12/17)	Noted	
2	3		If there is any inconsistency between the documents in condition 2(a), the most recent document must prevail to the extent of the inconsistency. However, the conditions of this consent must prevail to the extent of any inconsistency.	n/a	Noted	n/a
2	4		The Applicant must comply with any reasonable requirement/s of the Secretary arising from the Department's assessment of: (a) any strategies, plans, programs, reviews, audits, reports or correspondence that are submitted in accordance with this consent (including any stages of these documents); (b) any reviews, reports or audits commissioned by the Department regarding compliance with this consent; and (c) the implementation of any actions or measures contained in these documents.	-	Noted	-
2	5		LIMITS ON CONSENT Quarrying Operations	The Applicant may carry out quarrying operations on the site until 31 October 2035. Note: Under this consent, the Applicant is required to rehabilitate the site and carry out additional undertakings to the satisfaction of the Secretary. Consequently, this consent will continue to apply in all other respects other than the right to conduct quarrying operations until the rehabilitation of the site and those undertakings have been carried out to a satisfactory standard.	n/a	Noted
2	6	LIMITS ON CONSENT Production Limits	The Applicant must not produce more than 1.5 million tonnes of saleable extractive materials at the site in a calendar year.	Annual Review Site audit interviews (Adam Bertram, Amy Nelson) Weigh bridge records 2014-2017 Product usage and sales spreadsheet 2014-2017	Compliant	Records indicate a total production of 763,223.4 tonnes in 2017 till 24.11.17 The total quarry production in 2016 was approx. 528,184.61 tonnes and in 2015 it was 527,041.17 tonnes. Product usage and sales spreadsheet includes imported VENM
2	7		The Applicant must not carry out quarrying operations below 635 m AHD.	Site Audit interviews revealed that surveys are undertaken 6-monthly; Fly-over survey plan sighted – survey undertaken on 27.4.2017 and plan dated 04.6.2017	Compliant	The lowest point indicated by the fly-over survey plan is 657.3mAHD
2	8	LIMITS ON CONSENT Transportation Limits	Prior to the commissioning of Stage 1 of the Old Cooma Road re-alignment, the Applicant must not transport more than 1 million tonnes of extractive materials from the site in a calendar year.	-	Compliant	Production less than 1 mtpa - see Schedule 2, Condition 6.
2	9		Following the commissioning of Stage 1 of the Old Cooma Road re-alignment, the Applicant must not transport more than a total of 1.5 million tonnes of quarry products and VENM to and from the site in a calendar year Note: Stage 1 of the Old Cooma Road re-alignment is a 1.5km section of Old Cooma Road between Wickerslack Lane and Heights Road. Stage 2 is a 4.5km section of Old Cooma Road from Edwin Land Parkway south towards Googong Dam Road.	-	Compliant	Production less than 1 mtpa - see Schedule 2, Condition 6.
2	10		Prior to the commissioning of the Ellerton Drive Extension, the Applicant must not exceed 50 heavy vehicle movements a day on the section of Cooma Street north of Edwin Land Parkway.	Site audit interviews (Adam Bertram, Amy Nelson) Vehicle tracking register	Compliant	As per the daily heavy vehicle GPS tracking records sighted, the number of trucks operated by Holcim at this site has not exceeded the limit per day. The auditees noted that the maximum per day number was 32.
2	11		Following the commissioning of the Ellerton Drive Extension, the Applicant must not use Cooma Street north of the Edwin Land Parkway as a heavy vehicle transport route to/from the site except for local deliveries to Queanbeyan. Notes: • Ellerton Drive Extension is shown as "Proposed Primary Haulage Route" in Appendix 6. • Other heavy vehicle haulage routes to/from the site are also shown in Appendix 6.	-	N/A	Not triggered - Construction of Ellerton Drive Extension not yet started as at the time of the audit.

Schedule	Condition No.	Title	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
2	12		The Applicant must not use the section of Crawford Street from Monaro Street to Morrisset Street as a heavy vehicle transport route except with the written permission of Council.	Site audit interviews (Adam Bertram, Amy Nelson) Vehicle tracking register	Compliant	The routes taken by all heavy vehicles operate by Holcim from this site are tracked by GPS and recorded in the daily tracking register.
2	13		For the life of the development, the Applicant must ensure that: (a) no more than an average of 48 truck movements per hour occur collectively to and from the site on any day; and (b) no more than 30 laden trucks per hour are dispatched from the site.	Site audit interviews (Adam Bertram, Amy Nelson) Vehicle tracking register	Compliant	The routes taken by all heavy vehicles operate by Holcim from this site are tracked by GPS and recorded in the daily tracking register.
2	14	LIMITS ON CONSENT Importation of Material	The Applicant may receive and process up to 10,000 tonnes of recycled concrete on the site in a calendar year. No other materials classified as waste under the EPA Waste Classification Guidelines 2009 (or its latest version) may be received and processed on the site. Note: This condition does not apply to VENM or to routine deliveries of other materials to the site.	Weigh bridge records Concrete waste report 2017 with wet and dry concrete weights from August 2017 sighted Email with copies of return concrete waste dockets advising 33 loads per month at 28.5t each totally 940.5t estimate for March 2017.	Compliant	Weigh bridge records and Concrete Waste Report include a tally of wet and dry concrete received and indicate total received as at the time of the audit as 2925.9 tonnes from 09 August 2017 to 24 November 2017.
2	15		By the end of June 2014 or as otherwise agreed by the Secretary, the Applicant must surrender the development consent (DA 371/94) for existing operations on the site in accordance with Section 104A of the EP&A Act.	Letter to Council surrendering development consent from Holcim (20/06/14) and J. Heffernan (29/05/14)	Compliant	Compliant as at the previous audit
2	16	SURRENDER OF EXISTING DEVELOPMENT CONSENT	Prior to the surrender of the existing development consent, the conditions of this consent (including any notes) must prevail to the extent of any inconsistency with the conditions of the existing development consent (DA 371/94). Notes: • This requirement does not extend to the surrender of construction and occupation certificates for existing and proposed building works under Part 4A of the EP&A Act. Surrender of a consent or approval should not be understood as implying that works legally constructed under a valid consent or approval can no longer be legally maintained or used. • The conditions or other requirements of this development consent do not prevent the continued carrying out of development which may be undertaken pursuant to DA 371/94, prior to the surrender of that consent.	Letter to Council surrendering development consent from Holcim (20/06/14) and J. Heffernan (29/05/14)	Compliant	Compliant as at the previous audit
2	17	PRODUCTION DATA	The Applicant must: (a) provide annual quarry production data to DRE using the standard form for that purpose; and (b) include a copy of this data in the Annual Review (see condition 4 of schedule 5).	Form S1 for reporting sales for the financial year to DPE; correspondence email dated 3 January 2018 Annual Review for 2014, 2015, 2016 and 2017,	Compliant	a) The Auditee reported that annual reporting of production data to the DRE had occurred, Form S1 for year ending 30 June 2017, signed dated 11 Oct 2017 sighted. b) Annual Review for years 2014, 2015, 2016 and SEMR 2016 includes the quarry production data.
2	18	STRUCTURAL ADEQUACY	The Applicant must ensure that any new buildings and structures and any alterations, or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the BCA. Notes: • Under Part 4A of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for the proposed building works. • Part 8 of the EP&A Regulation sets out the requirements for the certification of the development.	Site audit interviews (Adam Bertram, Amy Nelson); Annual Review	N/A	No structures constructed during audit period.
2	19	DEMOLITION	The Applicant must ensure that all demolition work on site is carried out in accordance with Australian Standard AS 2601-2001: The Demolition of Structures, or its latest version.	Site audit interviews (Adam Bertram, Amy Nelson); Annual Review	N/A	No structures demolished during the audit period).
2	20	PROTECTION OF PUBLIC INFRASTRUCTURE	The Applicant must: (a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the development; and (b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development.	INX incident register	N/A	Not triggered
2	21	OPERATION OF PLANT AND EQUIPMENT	The Applicant must ensure that all plant and equipment used at the site is: (a) maintained in a proper and efficient condition; and (b) operated in a proper and efficient manner.	Sighted equipment and plant maintenance and operations planner registers, Procedure for training and assessment of operators; Safe Work Procedures and Structured Training Program (May 2014) Audit Interview (Amy Nelson, Peter Hewson)	Compliant	Maintenance is carried out under a SAP maintenance system with a maintenance planner (register); the mobile plant is maintained as per the OEM recommendations of 250 hr intervals for servicing. Operation of such equipment is in accordance with the OEM handbook and is verified by a certificate 4 qualified trainer and assessor as per Safe Work Procedures.
2	22	deleted	deleted	-	-	-

Schedule	Condition No.	Title	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
2	23	IDENTIFICATION OF APPROVED LIMITS OF EXTRACTION	By 31 December 2013, the Applicant must: (a) engage a registered surveyor to mark out the boundaries of the approved limits of extraction within the development area; and (b) submit a survey plan of these boundaries with applicable GPS coordinates to the Secretary.	(a) boundaries marked by pegs during site inspection (01/12/2017) (b)	Compliant	(a) Site map with coordinates marked has been sighted (b) Evidence has not been provided to indicate that the survey plan has been submitted to the Director-General. Recommendation 2: Submit survey plan to the Secretary (Director-General).
2	24		While quarrying operations are being carried out, the Applicant must ensure that these boundaries are clearly marked at all times that allows operating staff and inspecting officers to clearly identify the approved limits of extraction.	Site inspection (01/12/2017)	Compliant	Clearly visible marker posts installed as observed on site
2	25	DEVELOPER CONTRIBUTIONS Road Upgrade & Maintenance	The Applicant must pay Council \$50,400 (indexed to CPI) for road/intersection upgrade works, in accordance with Council's Section 94 Contributions Plan and the payment schedule in Appendix 4.	-	N/A	Not triggered Production less than 1 mtpa - see Schedule 2, Condition 6.
2	26		The Applicant must pay Council road maintenance contributions of \$0.2911 per tonne for every tonne of quarry product or recycled concrete transported to and from the site in accordance with Council's Section 94 Contributions Plan - No 2 Extractive Industry. Each payment must be: (a) paid to Council at the end of each calendar year; and (b) based on weighbridge records of the quantity of quarry products and recycled concrete transported to and from the site. Note: If the parties are not able to agree on any aspect of the road upgrade and maintenance contributions, either party may refer the matter to the Secretary for resolution.	-	Not Verified	Documentation confirming compliance with this Condition was not available for review.
3	1	TRANSPORT Monitoring of Product Transport	The Applicant must keep accurate records of: (a) the amount of quarry products transported from the site (monthly and annually) and publish these records on its website on a quarterly basis; and (b) the quantity, destination and source of all laden truck movements to and from the site (hourly, daily, weekly, monthly and annually).	AEMR 2016 signed 31 March 2016 available on http://www.holcim.com.au (last checked 21/12/17) Weigh bridge records – sighted one week each during 2014 (November), 2015 (April), 2016 (August) and 2017 (April) Heavy vehicle GPS tracking records eg 2 nd Feb 2017	Observation	(a) Production data is commercially sensitive. Annual production data is provided in the Annual Review (see Schedule 2, Condition 17) to confirm that the quarry's production limits are not exceeded. The data is captured in weigh bridge records and in Annual Review documents. (b) Weighbridge records record the quantity, destination of all laden truck movements to and from the site (hourly). This information can be used to determine daily, weekly, monthly and annually dispatches. Observation: AEMR 2016 for the calendar year is signed by NSW Planning and Environment Coordinator on 31 March 2016 – Recommendation: this typographical error should be corrected.
3	2	TRANSPORT Transport Management Plan	The Applicant must prepare and implement a Transport Management Plan for the development to the satisfaction of the Secretary. This plan must: (a) be prepared in consultation with the RMS and Council, and submitted to the Secretary for approval within 6 months of the date of this consent; (b) include a drivers' code of conduct for the development; (c) identify and prioritise the haul routes to be used by heavy vehicles, including those roads which are planned but not yet constructed; (d) describe the measures that would be implemented to ensure drivers of development-related vehicles comply with the drivers' code of conduct; and (e) include a program to monitor the effectiveness of the implementation of these measures. The Applicant must implement the approved management plan as approved from time to time by the Secretary	(a) Submission correspondence sighted as email dated 27 March 2014 and Letter from DP&E (08 Oct 2014); (b) Contained within TMP (c) Contained within TMP (d) Contained within TMP (e) Contained within TMP Heavy vehicle GPS tracking records e.g. 4 th May 2017	Compliant	Implementation is undertaken via tool box talks, driver induction and heavy vehicle GPS tracking evidenced by records.
3	3	TRANSPORT Independent Traffic Audit	If the Ellerton Drive Extension has not been commissioned within 5 years from the date of this consent, unless the Secretary directs otherwise, the Applicant must commission a suitably qualified person, to conduct an Independent Traffic Audit of the heavy vehicle routes associated with the development. This audit must: (a) be undertaken in consultation with RMS and Council; (b) assess the impact of the development on the performance and safety of the road network, including key intersections compared to the predictions made in the EIS; and (c) assess whether an alternative distribution of heavy vehicles and/or additional measures to reduce or mitigate any adverse (or potentially adverse) impacts on the local and regional road network is warranted, to the satisfaction of the Secretary.	N/A	N/A	Will be triggered on 27/9/18 if the Ellerton Drive Extension has not been commissioned

Schedule	Condition No.	Title	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations																							
			Within 2 months of receiving the audit report, or as otherwise agreed by the Secretary, the Applicant must submit a copy of the report to the Secretary, with a detailed response to any of the recommendations contained in the audit report, including a timetable for the implementation of any reasonable and feasible measures proposed to address the recommendations in the audit report. The Applicant must then implement the measures identified by the Secretary, to the satisfaction of the Secretary.																										
3	4	NOISE Noise Criteria	<p>The Applicant must ensure that the noise generated by the development does not exceed the criteria in Table 1 at any residence on privately-owned land</p> <p>Table 1: Noise criteria dB(A)</p> <table border="1"> <thead> <tr> <th rowspan="2">Receiver</th> <th>Day Shoulder 6 – 7 am</th> <th>Day 7 am – 6 pm</th> <th>Evening 6 – 10 pm</th> </tr> <tr> <th>L_{Aeq(15 min)}</th> <th>L_{Aeq(15 min)}</th> <th>L_{Aeq(15 min)}</th> </tr> </thead> <tbody> <tr> <td>N1, N7, N8, N56, N57, N59, N63, N64, N65</td> <td>40</td> <td>44</td> <td>39</td> </tr> <tr> <td>N67</td> <td>36</td> <td>41</td> <td>35</td> </tr> <tr> <td>All other receivers between N9 and N71 inclusive</td> <td>36</td> <td>38</td> <td>35</td> </tr> <tr> <td>All other receivers</td> <td>35</td> <td>35</td> <td>35</td> </tr> </tbody> </table> <p>Notes:</p> <ul style="list-style-type: none"> To locate the receivers referred to in Table 1 refer to Appendix 5. After the first review on any EPL granted for this development under Section 78 of the POEO Act, nothing in this approval prevents the EPA from imposing stricter noise limits on the quarrying operations on site under the EPL. <p>Appendix 9 sets out the metrological conditions under which these criteria apply and the requirements for evaluating compliance with these criteria.</p> <p>However, these criteria do not apply if the Applicant has a written agreement with the relevant landowner/s to generate higher noise levels, and the Applicant has advised the Department in writing of the terms of this agreement.</p>	Receiver	Day Shoulder 6 – 7 am	Day 7 am – 6 pm	Evening 6 – 10 pm	L _{Aeq(15 min)}	L _{Aeq(15 min)}	L _{Aeq(15 min)}	N1, N7, N8, N56, N57, N59, N63, N64, N65	40	44	39	N67	36	41	35	All other receivers between N9 and N71 inclusive	36	38	35	All other receivers	35	35	35	<p>Rudds (2014) Acoustic Report INX incident register entry 11 June 2014 – community complaint regarding blasting</p> <p>Noise management plan section 5.2 design controls</p> <p>Quarterly noise monitoring is undertaken by specialist consultants – reports of June 2016 & Dec 2016 by WSP and April 2017 & September 2017 by MAC sighted</p>	Compliant	No Non Compliances found. Noise monitoring and reporting practices are implemented.
Receiver	Day Shoulder 6 – 7 am	Day 7 am – 6 pm	Evening 6 – 10 pm																										
	L _{Aeq(15 min)}	L _{Aeq(15 min)}	L _{Aeq(15 min)}																										
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N67	36	41	35																										
All other receivers between N9 and N71 inclusive	36	38	35																										
All other receivers	35	35	35																										
3	5	NOISE Hours of Operation	<p>The Applicant must comply with the operating hours set out in Table 2. Table 2: Operating Hours</p> <table border="1"> <thead> <tr> <th rowspan="2">Activity</th> <th colspan="3">Operating Hours</th> </tr> <tr> <th>Monday – Friday</th> <th>Saturday</th> <th>Sundays and Public Holidays</th> </tr> </thead> <tbody> <tr> <td>Primary Crushing, Truck Departures</td> <td>6 am – 6 pm</td> <td>6 am – 6 pm</td> <td rowspan="4">None</td> </tr> <tr> <td>Construction Operations</td> <td>7 am – 6 pm</td> <td>8 am – 1 pm</td> </tr> <tr> <td>Return Truck Movements</td> <td>6 am – 8 pm</td> <td>6 am – 8 pm</td> </tr> <tr> <td>Other Operations</td> <td>6 am – 10 pm</td> <td>6 am – 10 pm</td> </tr> </tbody> </table> <p>Note: Maintenance activities may occur at any time provided they are inaudible at privately-owned residences.</p>	Activity	Operating Hours			Monday – Friday	Saturday	Sundays and Public Holidays	Primary Crushing, Truck Departures	6 am – 6 pm	6 am – 6 pm	None	Construction Operations	7 am – 6 pm	8 am – 1 pm	Return Truck Movements	6 am – 8 pm	6 am – 8 pm	Other Operations	6 am – 10 pm	6 am – 10 pm	<p>Time-stamped heavy vehicle GPS tracking records eg 6.42am start and 3.30pm finish on 8 Feb 2017</p> <p>Plant operating records 1st, 2nd and 6th Nov 2017</p> <p>Crushing plant log sighted for, 6am start and 1pm on 7th Nov 2017</p> <p>Primary plant daily log 8am start and 11.15am finish on 3rd Nov 2017</p>	Compliant	No complaints have been received regarding truck movements or quarry operations.			
Activity	Operating Hours																												
	Monday – Friday	Saturday	Sundays and Public Holidays																										
Primary Crushing, Truck Departures	6 am – 6 pm	6 am – 6 pm	None																										
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Return Truck Movements	6 am – 8 pm	6 am – 8 pm																											
Other Operations	6 am – 10 pm	6 am – 10 pm																											
3	6	NOISE Operating Conditions	<p>The Applicant must:</p> <p>(a) implement best management practice to minimise the construction, operational and traffic noise of the development;</p> <p>(b) minimise the noise impacts of the development during meteorological conditions when the noise limits in this consent do not apply;</p> <p>(c) maintain the effectiveness of any noise attenuation on equipment to ensure consistency with the benchmark sound power levels presented in the EIS; and</p> <p>(d) regularly assess the results of noise monitoring to ensure compliance with the relevant conditions of this consent, to the satisfaction of the Secretary.</p>	<p>Environmental Management System</p> <p>Quarterly noise monitoring reports</p> <p>AEMR 2016</p> <p>http://www.holcim.com.au/about-us/community-link/cooma-road/planning-approvals.html</p>	Not Compliant	<p>(a) The Noise Management Plan (2014) describes best management practice to minimise the construction and operational traffic noise. Earth bunds have been constructed in accordance with the plan. Night / evening work are not undertaken. The 2014 and 2015 Annual Reports stated that no noise monitoring was being undertaken and planned to commence quarterly noise monitoring in 2016.</p> <p>(b) As per (a)</p> <p>(c) The Noise Management Plan (2014) states that “the three-yearly sound power level testing program will commence within the first year of operations following Development Consent”. This has not occurred. Other than noting that there have been no noise-related complaints, it cannot be assessed whether this condition has been met.</p> <p>(d) Attended noise monitoring of operations are being undertaken (see Appendix 9, Condition 3). The AEMR 2016 includes detailed noise report.</p> <p>Conclusion : Noise monitoring data is not available for the entire audit period however it is to be included in the annual report as of 2016.</p>																							
3	7	NOISE Noise Management Plan	The Applicant must prepare and implement a Noise Management Plan for the development to the satisfaction of the	(a) Submission correspondence sighted as email dated 27	Not Compliant	a) The Noise Management Plan has been prepared and submitted as required.																							

Schedule	Condition No.	Title	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations												
			<p>Secretary. This plan must:</p> <p>(a) be prepared in consultation with Council and the EPA, and submitted to the Secretary for approval within 6 months of this consent;</p> <p>(b) describe the measures that would be implemented to comply with the:</p> <ul style="list-style-type: none"> • noise criteria in Table 1; • hours of operation in Table 2; and • operating conditions in Condition 7 above; <p>(c) include a monitoring program that:</p> <ul style="list-style-type: none"> • incorporates quarterly (or as otherwise agreed by the Secretary) attended noise monitoring to evaluate the performance of the development against the noise criteria in Table 1; • includes a protocol for determining exceedences of the noise criteria in Table 1; and • assesses the sound power levels of the equipment on site, compares it with the benchmark levels used in the EIS, and evaluates the effectiveness of any attenuation. <p>The Applicant must implement the approved management plan as approved from time to time by the Secretary</p>	<p>March 2014 and Letter from DP&E (08 Oct 2014); NSW EPA's and Queanbeyan City Council's review letter dated 25 March 2014 included as Appendix 2 in the Noise Management Plan</p> <p>(b) and (c): Noise Management Plan section 2.1 and Appendix 1 has summarised how the plan address various requirements in its sections</p>		<p>b) and c): The plan includes details of how to address the relevant requirements including attended noise monitoring.</p> <p>Table 2.1 in the Noise Management Plan refers to section 2.1.3 of the plan on addressing condition 7 (a). there is no section 2.1.3 in the plan (2014).</p> <p>The AEMR contains the reports of quarterly noise monitoring in the appendix (December 2016 report by WSP/PB indicating the noise levels are likely to have been within Development Consent conditions).</p> <p>However, implementation of the plan is inadequate in terms of noise monitoring and reporting.</p> <p>Conclusion: Section 6.1 of the plan (2014) refers to quarterly attended noise monitoring however this was not implemented until June 2016. This is now being implemented.</p>												
3	8	NOISE Independent Road Noise Audit	<p>Within 6 months from the date of this consent, the Applicant must commission a suitably qualified person, to conduct an Independent Road Noise Audit of the Edwin Land Parkway. This audit must:</p> <p>(a) be undertaken in consultation with Council and the EPA;</p> <p>(b) assess the noise generated by heavy vehicles generated by the development on the Edwin Land Parkway against the relevant criteria under the NSW Road Noise Policy; and</p> <p>(c) consider whether additional mitigation measures are required to address any potential exceedences under the criteria specified in the NSW Road Noise Policy, to the satisfaction of the Secretary.</p> <p>Within 2 months of receiving the audit report, or as otherwise agreed by the Secretary, the Applicant must submit a copy of the report to the Secretary, with a detailed response to any of the recommendations contained in the audit report, including a timetable for the implementation of any reasonable and feasible measures proposed to address the recommendations in the audit report. The Applicant shall then implement the measures identified by the Secretary, to the satisfaction of the Secretary.</p>		Compliant	Found to be compliant as per previous IEA – Rudds (2014) Acoustic Report												
3	9	BLASTING Blasting Criteria	<p>The Applicant must ensure that the blasting on the site does not cause exceedences of the criteria in Table 3. Table 3: Blasting Criteria</p> <table border="1"> <thead> <tr> <th>Location</th> <th>Airblast overpressure (dB(Lin Peak))</th> <th>Ground vibration (mm/s)</th> <th>Allowable exceedance</th> </tr> </thead> <tbody> <tr> <td></td> <td>120</td> <td>10</td> <td>0%</td> </tr> <tr> <td>Any residence on privately-owned land</td> <td>115</td> <td>5</td> <td>5% of the total number of blasts over a period of 12 months</td> </tr> </tbody> </table> <p>However, these criteria do not apply if the Applicant has a written agreement with the relevant owner or infrastructure provider/owner, and the Applicant has advised the Department in writing of the terms of this agreement.</p>	Location	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)	Allowable exceedance		120	10	0%	Any residence on privately-owned land	115	5	5% of the total number of blasts over a period of 12 months	<p>2014 2015 and 2016 Annual Review Monitoring Data reports INX event report listing 01/01/14 to 01/01/18</p>	Not Compliant	<p>One blast event logged in INX breach of blasting limit on 14/12/16. The Auditor understands that this exceedance is an isolated event.</p> <p>Recommendation: Continue to monitor blasts. If exceedances occur in the future, undertake a review of blasting procedures.</p>
Location	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)	Allowable exceedance															
	120	10	0%															
Any residence on privately-owned land	115	5	5% of the total number of blasts over a period of 12 months															
3	10	BLASTING Blasting Hours	<p>The Applicant must:</p> <p>(a) not carry out blasting on site on weekends or public holidays; and</p> <p>(b) only carry out blasting on site between 9 am and 3 pm Monday to Friday.</p>	<p>Annual Review Blasting Reports by Southern Explosives.</p> <p>Eg 1 – 12:30.58pm on 1 Sept 2017, 0.5m/s velocity, 99.2 dBL monitored at 70 Tempe Cres.</p> <p>Eg 2 – 1:40.01pm on 31 Oct 2017, 0.56m/s velocity, 105.7dBL at 632 Cooma Road</p>	Compliant	The blasting contractor, provides detailed blasting reports for each blast.												
3	11	BLASTING Blasting Frequency	<p>The Applicant may carry out a maximum of 1 blast a day, unless an additional blast is required following a blast misfire.</p> <p>Note: For the purposes of this condition, a blast refers to a single blast event, which may involve a number of individual blasts fired in quick succession in a discrete area of the mine.</p>	<p>2015 Annual Review and 2016 AEMR sighted.</p> <p>Blast reports sampled see condition 10 above</p>	Compliant	Blasting reports indicate compliance												

Schedule	Condition No.	Title	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations																							
3	12	BLASTING Operating Conditions	During blasting operations, the Applicant must: (a) not cause any adverse blasting impacts on the Moses Morley Kiln Site; (b) implement best management practice to: • protect the safety of people and livestock in the surrounding area; • protect public or private infrastructure/property in the surrounding area from any damage; and • minimise the dust and fume emissions of any blasting; and (c) operate a suitable system to enable the public to get up-to-date information on the proposed blasting schedule on site, to the satisfaction of the Secretary.	Blast Management Plan (2014) 2015 Annual Report and 2016 AEMR include blast summaries including overpressure and vibrations measured at neighbourhood locations Blast reports inspected see condition 10 above.	Compliant	(a) Survey points are installed on the Moses Morley Kiln to allow any movement to be measured. Blast reports include before and after photos and review of the kiln. (b) Blasting company Southern Explosives conduct blasting and operate under their own safety and environmental management system. There has been one complaint for event dated 11 Jun 2014 and reported on 13 Jun 2014 to EPA. EPA reported checking on monitoring results and found no breach of limits. This event has been risk-assessed as rare likelihood and minor consequence with overall category 1 low risk. (c) Holcim has a community link on their website where general information is published.																							
3	13	BLASTING Blast Management Plan	The Applicant must prepare and implement a Blast Management Plan for the development to the satisfaction of the Secretary. This plan must: (d) [sic] be prepared in consultation with Council and the EPA, and submitted to the Secretary for approval within 6 months of the date of this consent; (e) describe the measures that would be implemented to ensure: • best management practice is being employed; • the protection of road users and infrastructure when blasting within 500 metres of Old Cooma Road; and • compliance with the relevant conditions of this consent; (f) include a specific blast fume management protocol to demonstrate how emissions will be minimised including risk management strategies if blast fumes are generated; and (g) include a monitoring program for evaluating the performance of the development including: • compliance with the blasting criteria; and • minimising blasting fume emissions from the site. The Applicant must implement the approved management plan as approved from time to time by the Secretary	(d) Submission correspondence sighted as email dated 27 March 2014 and Letter from DP&E (08 Oct 2014); NSW EPA's and Queanbeyan City Council's review letter dated 25 March 2014 included as Appendix 2 in the Blast Management Plan (e) (f) (g) addressed in the plan Implementation of the plan reviewed against blast reports and records on the website	Compliant	The firing procedure is included in the blast reports Blasting information is published on the website via AEMR/Annual Review including a brief summary on blasting monitoring data The one blasting complaint incident environmental report (June 2014) is available on the community link page of Holcim website (last checked on 22 Dec 2017) The 2014 Annual Review includes two overpressure exceedances in August 2014 http://www.holcim.com.au/about-us/community-link/cooma-road/planning-approvals.html																							
3	14	AIR QUALITY Air Quality Criteria	The Applicant must ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the development do not exceed the criteria in Tables 4 to 6 at any residence on privately-owned land. Table 4: Long-Term Impact Assessment Criteria for Particulate Matter <table border="1" data-bbox="753 1234 1258 1331"> <thead> <tr> <th>Pollutant</th> <th>Averaging period</th> <th>^d Criterion</th> </tr> </thead> <tbody> <tr> <td>Total suspended particulates (TSP)</td> <td>Annual</td> <td>^a 90 µg/m³</td> </tr> <tr> <td>Particulate matter < 10 µm (PM₁₀)</td> <td>Annual</td> <td>^a 30 µg/m³</td> </tr> </tbody> </table> Table 5: Short Term Impact Assessment Criteria for Particulate Matter <table border="1" data-bbox="753 1409 1368 1482"> <thead> <tr> <th>Pollutant</th> <th>Averaging period</th> <th>^d Criterion</th> </tr> </thead> <tbody> <tr> <td>Particulate matter < 10 µm (PM₁₀)</td> <td>24 hour</td> <td>^a 50 µg/m³</td> </tr> </tbody> </table> Table 6: Long-Term Impact Assessment Criteria for Deposited Dust <table border="1" data-bbox="753 1566 1368 1650"> <thead> <tr> <th>Pollutant</th> <th>Averaging period</th> <th>Maximum increase in deposited dust level</th> <th>Maximum total deposited dust level</th> </tr> </thead> <tbody> <tr> <td>^c Deposited dust</td> <td>Annual</td> <td>^b 2 g/m²/month</td> <td>^a 4 g/m²/month</td> </tr> </tbody> </table> Notes to Tables 4-6:	Pollutant	Averaging period	^d Criterion	Total suspended particulates (TSP)	Annual	^a 90 µg/m ³	Particulate matter < 10 µm (PM ₁₀)	Annual	^a 30 µg/m ³	Pollutant	Averaging period	^d Criterion	Particulate matter < 10 µm (PM ₁₀)	24 hour	^a 50 µg/m ³	Pollutant	Averaging period	Maximum increase in deposited dust level	Maximum total deposited dust level	^c Deposited dust	Annual	^b 2 g/m ² /month	^a 4 g/m ² /month	Letter from EPA advising compliance (21/11/14) Air Quality Management Plan (March 2013) 2015 Annual Review and 2016 AEMR include air quality information. Site Audit interviews (Amy Nelson, Adam Bertram) Audit site inspection	Compliant	High Volume Air Sampler / High Volume Sampling Unit (HVAS/HVOL) has been installed in 2016 as per Air Quality Management Plan (March 2014), south of the site. During the site inspection, the water cart was observed in action.
Pollutant	Averaging period	^d Criterion																											
Total suspended particulates (TSP)	Annual	^a 90 µg/m ³																											
Particulate matter < 10 µm (PM ₁₀)	Annual	^a 30 µg/m ³																											
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^c Deposited dust	Annual	^b 2 g/m ² /month	^a 4 g/m ² /month																										
	15	AIR QUALITY Operating Conditions	The Applicant must: (a) implement best management practice to minimise the dust emissions of the development including minimising the area of surface disturbance and maximising progressive rehabilitation of the site; (b) regularly assess air quality monitoring data to ensure compliance with the relevant conditions of this consent; and (c) minimise the air quality impacts of the development during adverse meteorological conditions; to the satisfaction of the Secretary.	Air Quality Management Plan (March 2014) 2015 Annual Review and 2016 AEMR.	Compliant	(a) Dust control measures are applied at the site and progressive rehabilitation appears to have been maximised with topsoil application and revegetation of non-operational areas. Water cart is employed to suppress dust emissions from site operations. (b) Monitoring data appears to generally reviewed monthly and included in the annual review reports on the company website. The annual average of deposited dust exceeded the guideline of 4																							

Schedule	Condition No.	Title	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
						g/m ² /month at DG1 in 2014 however subsequent yearly monitoring has not noted an exceedance. (c) Monitoring instrumentation is available to measure any impacts. Dust control measures are in place (as per a) above).
3	16	AIR QUALITY Air Quality Management Plan	The Applicant must prepare and implement an Air Quality Management Plan for the development to the satisfaction of the Secretary. This plan must: (a) be prepared in consultation with Council and the EPA, and submitted for approval to the Secretary within 6 months of the date this consent; (b) describes the measures that would be implemented to ensure compliance with the air quality criteria and operating conditions under this consent; and (c) include an air quality monitoring program to evaluate the performance of the development against the air quality criteria. The Applicant must implement the approved management plan as approved from time to time by the Secretary	(a) Submission correspondence sighted as email dated 27 March 2014 and Letter from DP&E (08 Oct 2014); NSW EPA's and Queanbeyan City Council's review letter dated 25 March 2014 included as Appendix 2 in the Air Quality Management Plan (b) (c) the plan address relevant requirements Annual Review 2015, AEMR 2016 www.holcim.com.au	Compliant	Annual Review and AEMR includes air quality monitoring data for the whole year with one exceedance noted in charts. The Reviews also include status of previous Not Complaints and actions undertaken to close out. Air quality management plan section 7.1 mentions that air quality monitoring results will be published on the Holcim website and performance monitoring and assessment of monitoring program will be discussed at Community Consultative Committee meetings. Annual Review/AEMR are available on the community link page http://www.holcim.com.au/about-us/community-link/cooma-road/planning-approvals.html
3	17	METEOROLOGICAL MONITORING	For the life of the development, the Applicant must ensure that there is a suitable meteorological monitoring station operating in the vicinity of the site that: • complies with the requirements in the Approved Methods for Sampling of Air Pollutants in New South Wales guideline; and • is capable of continuous measurement of stability class, in accordance with the NSW Industrial Noise Policy, or as otherwise approved by EPA.	Air Quality Management Plan (2014) Audit Site Investigation	Compliant	The monitoring program in the Air Quality Management Plan (finalised in March 2014) includes installation of a meteorological station. This is now installed at the site.
3		SOIL & WATER	Note: The Applicant is required to obtain the necessary water licences for the development under the Water Act 1912 and/or the Water Management Act 2000.	Holcim water license WA 413082	Compliant	Water license issued under Water Management Act 2000, sighted as extract from NSW Water Register (NSW OOW)
3	18	SOIL & WATER Water Supply	The Applicant must ensure it has sufficient water during all stages of the development, and if necessary, adjust the scale of quarrying operations on site to match its available supply and licensed water entitlements.	Site Audit Interviews (Amy Nelson, Adam Bertram)	Noted	Site dams contained water during site inspection (01 Dec 2017).
3	19	SOIL & WATER Water Discharges	The Applicant must comply with the discharge limits in any EPL or with Section 120 of the POEO Act.	2014 and 2015 Annual Review and 2016 AEMR with monitoring records; Audit Site Investigation	Compliant	During the site inspection, some minor off-site surface flow was observed, likely to be from neighbouring valley which flows through the discharge area. The water quality was visually good. Annual Review/AEMR includes monthly water quality test data - one instance of lower than limits pH (6.3 against lower limit of 6.5) was noted in 1 Sept 2016.
3	20	SOIL & WATER Water Management Plan	The Applicant must prepare and implement a Water Management Plan for the development to the satisfaction of the Secretary. This plan must be prepared in consultation with the EPA and DPI Water by suitably qualified and experienced person/s whose appointment has been approved by the Secretary, and be submitted to the Secretary for approval within 6 months of the date of this consent. This plan must include a: (a) Site Water Balance that includes details of: • sources and security of water supply, including contingency planning; • water use on site; and • measures that would be implemented to minimise use of clean water and maximise recycling of dirty water on the site; (b) Surface Water Management Plan that includes: • baseline data on surface water flows and quality in the watercourses that could be affected by the development; • a detailed description of the surface water management system on site, including the design objectives and performance criteria for the: - clean water diversions; - erosion and sediment controls; - water storages (including Maximum Harvestable Rights requirements); and - control of water pollution from areas of the site that have been rehabilitated; • performance criteria, including trigger levels for investigating any potentially adverse surface water quality impacts; • a program to monitor: - any surface water discharges; - the effectiveness of the water management system; - surface water flows and quality in local watercourses; and - ecosystem health of local watercourses; (c) Groundwater Monitoring Program that includes:	Water Management Plan (March 2014) Email to DP&E submitting WMP (27/3/14) Water Management Plan includes return correspondence from NSW EPA included in the plan as Appendix 3.	Observation	The Water Management Plan has been submitted but approval from the Secretary/Director-General has not been received as at the time of the audit (01 Dec 2017) Recommendation: DPI Water be contacted regarding finalisation of the Water Management Plan. Water data monitoring is included in the Annual Reviews/AEMR

Schedule	Condition No.	Title	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations														
			<ul style="list-style-type: none"> • baseline data of groundwater levels surrounding the development; • groundwater assessment criteria based upon analysis of baseline data for groundwater, including trigger levels for investigating any potentially adverse groundwater impacts; and • a program to monitor and/or validate the impacts of the development on groundwater resources; (d) Surface and Ground Water Response Plan that describes the measures and/or procedures that would be implemented to: <ul style="list-style-type: none"> • respond to any exceedences of the surface water and groundwater assessment criteria; and • mitigate and/or offset any adverse impacts on surface water and groundwater resources located within and adjacent to the site. <p>The Applicant must implement the approved management plan as approved from time to time by the Secretary</p>																	
3	21	HERITAGE Heritage Management Plan	<p>The Applicant must prepare and implement a Heritage Management Plan for the development to the satisfaction of the Secretary. This plan must:</p> <p>(a) be prepared in consultation with Aboriginal stakeholders for matters relating to Aboriginal heritage values and Council for matters relating to non-Aboriginal heritage;</p> <p>(b) be submitted to the Secretary for approval within 6 months of the date of this consent;</p> <p>(c) describe the measures that would be implemented for:</p> <ul style="list-style-type: none"> • monitoring, maintaining and protecting the Moses Morley Lime Kiln site. • managing the discovery of any human remains or previously unidentified heritage objects on site; • ensuring ongoing consultation with Aboriginal stakeholders in the conservation and management of any Aboriginal cultural heritage values on site; and • protecting sites identified adjacent to the development. <p>The Applicant must implement the approved management plan as approved from time to time by the Secretary</p>	<p>Letter from DP&E (08/10/14) Heritage Management Plan (2014)</p> <p>Annual Reports 2014 and 2015, AEMR 2016</p> <p>Weed spraying records indicating person and chemical details eg 18 Dec 2016, 4 Jan 2017 and 9 Aug 2017</p> <p>Heritage Monitoring Reports (eg. March 2017) by registered surveyor</p> <p>Audit site inspection observations</p>	Compliant	<p>Heritage Management Plan (March 2014) includes Stakeholder consultation evidence (Queanbeyan City Council, Ngambri Local Aboriginal Land Council) in Appendix 2.</p> <p>Annual Reports of 2014 and 2015 include details of the 6-monthly aboriginal heritage surveys. This section is not seen in the 2016 AEMR.</p> <p>Site induction covers the three heritage sites. Observed fencing around the Moses Morley's lime kiln and six survey marks around the kiln. The aboriginal heritage sites are outside of excavation area.</p> <p>Queanbeyan City Council, in their review of the Heritage Management Plan recommended inclusion of a Weed Management Program for long term protection of the Moses Morley's lime kiln.</p>														
3	22	REHABILITATION Rehabilitation Objectives	<p>22. The Applicant must rehabilitate the site to the satisfaction of the Secretary. This rehabilitation must be generally consistent with the proposed rehabilitation strategy in the EIS and Appendix 7, and comply with the objectives in Table 7.</p> <p>Table 7: Rehabilitation Objectives</p> <table border="1"> <thead> <tr> <th>Feature</th> <th>Objective</th> </tr> </thead> <tbody> <tr> <td>Site (as a whole)</td> <td>Safe, stable and non-polluting</td> </tr> <tr> <td>Surface Infrastructure</td> <td>To be decommissioned and removed (unless otherwise agreed with the Secretary)</td> </tr> <tr> <td>Benched Quarry Walls</td> <td>Landscaped and revegetated utilising native tree and understorey species, ensuring that the tree canopy is restored and integrated with the surrounding canopy to minimise visual impacts</td> </tr> <tr> <td>Quarry Pit Floors</td> <td>Landscaped and revegetated utilising native flora species, above the anticipated final void water level</td> </tr> <tr> <td>Other land affected by the development</td> <td>Restore ecosystem function, including maintaining or establishing self-sustaining ecosystems comprised of: <ul style="list-style-type: none"> - native endemic species; and - a landform consistent with Appendix 7 and the surrounding environment. </td> </tr> <tr> <td>Community</td> <td> <ul style="list-style-type: none"> • Ensure public safety • Minimise the adverse socio-economic effects associated with the closure of the development </td> </tr> </tbody> </table> <p>Note: Revegetation of existing and proposed industrial areas is not required.</p>	Feature	Objective	Site (as a whole)	Safe, stable and non-polluting	Surface Infrastructure	To be decommissioned and removed (unless otherwise agreed with the Secretary)	Benched Quarry Walls	Landscaped and revegetated utilising native tree and understorey species, ensuring that the tree canopy is restored and integrated with the surrounding canopy to minimise visual impacts	Quarry Pit Floors	Landscaped and revegetated utilising native flora species, above the anticipated final void water level	Other land affected by the development	Restore ecosystem function, including maintaining or establishing self-sustaining ecosystems comprised of: <ul style="list-style-type: none"> - native endemic species; and - a landform consistent with Appendix 7 and the surrounding environment. 	Community	<ul style="list-style-type: none"> • Ensure public safety • Minimise the adverse socio-economic effects associated with the closure of the development 	<p>Rehabilitation strategy in EIS</p> <p>Rehabilitation Management Plan (Sept 2014) on the community link website</p>	N/A	See Schedule 2, Condition 23 regarding progressive rehabilitation.
Feature	Objective																			
Site (as a whole)	Safe, stable and non-polluting																			
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Community	<ul style="list-style-type: none"> • Ensure public safety • Minimise the adverse socio-economic effects associated with the closure of the development 																			
3	23	REHABILITATION Progressive Rehabilitation	<p>The Applicant must rehabilitate the site progressively, that is, as soon as reasonably practicable following disturbance. All reasonable and feasible measures must be taken to minimise the total area exposed for dust generation at any time. Interim stabilisation measures must be implemented where reasonable and feasible to control dust emissions in disturbed areas that are not active and which are not ready for final rehabilitation.</p>	Site inspection (01 Dec 2017)	Compliant	As observed, all areas that are finalized have been stabilized although not to final land-use state. This is a work in progress. Certain overburden dumps and sand walls have to be re-vegetated.														

Schedule	Condition No.	Title	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
3	24	REHABILITATION Rehabilitation Management Plan	<p>The Applicant must prepare and implement a Rehabilitation Management Plan for the development to the satisfaction of the Secretary. This plan must:</p> <p>(a) be prepared in consultation with DRE, DPI, DPI Water and Council; (b) be submitted to the Secretary for approval within 12 months of the date of this consent; (c) describe the short, medium and long term measures that would be implemented to:</p> <ul style="list-style-type: none"> • manage remnant vegetation and habitat on site; • ensure compliance with the rehabilitation objectives and progressive rehabilitation obligations in this consent; <p>(d) include detailed performance and completion criteria for evaluating the performance of the rehabilitation of the site, including triggering remedial action (if necessary); (e) include a detailed description of the measures that would be implemented over the next 3 years, including the procedures to be implemented for:</p> <ul style="list-style-type: none"> • ensuring compliance with the rehabilitation objectives and progressive rehabilitation obligations in this consent; • enhancing the quality of remnant vegetation and fauna habitat; • establishing vegetation screening to minimise the visual impacts of the site on surrounding receivers; • restoring native endemic vegetation and fauna habitat within the rehabilitation area; • maximising the salvage of environmental resources within the approved disturbance area – including tree hollows, vegetative and soil resources – for beneficial reuse in the enhancement of the biodiversity areas or rehabilitation area; • collecting and propagating seed; • minimising the impacts on native fauna on site; • controlling weeds and feral pests; • controlling erosion; • controlling access; and • bushfire management; <p>(f) include a program to monitor and report on the effectiveness of these measures, and progress against the performance and completion criteria; (g) include details of who would be responsible for monitoring, reviewing, and implementing the plan; (h) provide details of the conceptual final landform and associated land uses; and (i) provide details of water management requirements and details of the final void in relation to water storage.</p> <p>The Applicant must implement the approved management plan as approved from time to time by the Secretary</p>	<p>Rehabilitation Management Plan Sept 2014</p> <p>Email from Holcim to DP&E, NOW, QCC and DPI submitting the plan (26 Sept 14), letter from DPI dated 22 Oct 2014</p> <p>Weed spraying records indicating person and chemical details eg 18 Dec 2016, 4 Jan 2017 and 9 Aug 2017</p> <p>Annual Reports 2014-2015, AEMR 2016</p>	Administrative non-compliance	<p>The Rehabilitation Management Plan has been submitted to DPI, NOW and Council but not yet approved.</p> <p>Observation: Follow up as required to get Rehabilitation Management Plan approved.</p> <p>Weed management – weed spraying records sighted. Holcim undertakes informal inspections of the activity. Green Angle Investments has been engaged to undertake weed spraying.</p>
3	25	REHABILITATION Rehabilitation Bond	<p>Within 12 months of the approval of the Rehabilitation Management Plan, the Applicant must lodge a Rehabilitation Bond with the Department to ensure that the rehabilitation of the site is implemented in accordance with the performance and completion criteria set out in the Rehabilitation Management Plan. The sum of the bond must be determined by:</p> <p>(a) calculating the cost of rehabilitating the site, taking into account the likely surface disturbance over the next 3 years of quarrying operations; and (b) employing a suitably qualified quantity surveyor or other expert to verify the calculated costs, to the satisfaction of the Secretary.</p> <p>Notes:</p> <ul style="list-style-type: none"> • If capital and other expenditure required by the Rehabilitation Management Plan is largely complete, the Secretary may waive the requirement for lodgement of a bond in respect of the remaining expenditure. • If the rehabilitation of the site area is completed to the satisfaction of the Secretary, then the Secretary will release the bond. If the rehabilitation of the site is not completed to the satisfaction of the Secretary, then the Secretary will call in all or part of the bond, and arrange for the completion of the relevant works. 	<p>Rehabilitation Management Plan Sept 2014</p>	N/A	<p>Not triggered - Rehabilitation Management Plan has not been approved.</p>
3	26		<p>Within 3 months of each Independent Environmental Audit (see condition 9 of schedule 5), the Applicant must review, and if necessary revise, the sum of the Rehabilitation Bond to the satisfaction of the Secretary. This review must consider the:</p> <p>(a) effects of inflation; (b) likely cost of rehabilitating the site (taking into account the likely surface disturbance over the next 3 years of the development); and (c) performance of the implementation of the rehabilitation of the site to date.</p>		N/A	<p>Not triggered - This is the second Independent Environmental Audit. However, the rehabilitation bond has not been set.</p>

Schedule	Condition No.	Title	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
3	27	VISUAL	Within 12 months of the date of this consent, the Applicant must establish a vegetation screen to minimise visibility of site infrastructure from outside the development area. Following establishment, the Applicant must maintain the vegetation screen, to the satisfaction of the Secretary.	Site audit interviews (Adam Bertram) and site inspection	Compliant	A vegetation screen is being established.
3	28		The Applicant must implement all reasonable and feasible measures to minimise the off-site lighting impacts of the development.	Site audit interviews (Adam Bertram) and site inspection	Compliant	Vegetation screen has been planted. Lights are now timer-controlled and directional. Minimal night-time operations.
3	29	BUSHFIRE MANAGEMENT	The Applicant must: a) ensure that the development is suitably equipped to respond to any fires on site; and b) assist the Rural Fire Service, emergency services and National Parks and Wildlife Service as much as practicable if there is a fire in the surrounding area.	Site audit interviews (Adam Bertram) and site inspection	Compliant	(a) Water cart equipped with hose for fire fighting. (b) Standpipe compatible with RFS is available on site
3	30	WASTE	Prior to importing onto the site any recycled concrete or any other material that may be classified as a waste under the EPA Waste Classification Guidelines 2009 (or its latest version), the Applicant must obtain a 'resource recovery exemption' under the POEO Act and provide evidence of this exemption to the Department. Note: This condition does not apply to routine deliveries to the site.	Site audit interviews (Amy Nelson, Adam Bertram)	Not Compliant	Concrete waste (from a concrete batching plant) is processed at the site. A Resource Recovery Exemption for that material has not been obtained. Recommendation: Apply for a Resource Recovery Exemption for the concrete wastes processed at the site.
3	31		The Applicant must: (a) minimise the waste generated by the development; and (b) ensure that the waste generated by the development is appropriately stored, handled, and disposed of, to the satisfaction of the Secretary.	Site audit interviews (Adam Bertram) and site inspection	Not Compliant	No waste stockpile was observed during site inspection. Waste materials are sorted into 3m ³ bins. Waste management service by contractors – waste receipts were inspected – eg Remondis 30 June 2017, 31 Aug 2017; Southern Oil (waste oil) on 11 Nov 2017; Southern Oil (waste filter) on 11 Oct 2017. Waste oil is managed in a bunded area. One open waste oil drum for temporary storage was sighted outside the bund. The auditees mentioned that this area is served by a oil/grease separator with hardstand sloping towards a capture drain. However, the area is not protected by any bunds and stormwater or surface water contamination is possible during storm events. Recommendation: It is recommended that this waste oil drum be kept in a drip tray or other suitable mechanism to avoid any leaks affecting stormwater runoff.
4	1	NOTIFICATION OF LANDOWNERS	As soon as practicable after obtaining monitoring results showing an: (a) exceedence of any relevant criteria in schedule 3, the Applicant must notify affected landowners in writing of the exceedence, and provide regular monitoring results to each affected landowner until the development is again complying with the relevant criteria; and (b) an exceedence of the relevant air quality criteria in schedule 3, the Applicant must send a copy of the NSW Health fact sheet entitled "Mine Dust and You" (as may be updated from time to time) to the affected landowners and/or existing tenants of the land.	Site audit interviews (Adam Bertram) and site inspection	N/A	Not triggered- No issues that may have impacted any residents have been reported.
4	2	INDEPENDENT REVIEW	If an owner of privately-owned land considers the development to be exceeding the relevant criteria in schedule 3, then he/she may ask the Secretary in writing for an independent review of the impacts of the development on his/her land. If the Secretary is satisfied that an independent review is warranted, then within 2 months of the Secretary decision the Applicant must: (a) commission a suitably qualified, experienced and independent expert, whose appointment has been approved by the Secretary, to: • consult with the landowner to determine his/her concerns; • conduct monitoring to determine whether the development is complying with the relevant criteria in schedule 3; and • if the development is not complying with these criteria, then identify the measures that could be implemented to ensure compliance with the relevant criteria; and (b) give the Secretary and landowner a copy of the independent review.		N/A	Not triggered
5	1	ENVIRONMENTAL MANAGEMENT Environmental Management	If the Secretary requires, the Applicant must prepare an Environmental Management Strategy for the development to the satisfaction of the Secretary. This strategy must: (a) be submitted to the Secretary for approval within 6 months of the Secretary requiring preparation of the strategy by notice to the Applicant;	Letter from DP&E (08/10/14) Environmental Management Strategy	Compliant	Found to be compliant at the previous audit

Schedule	Condition No.	Title	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
		Strategy	<p>(b) provide the strategic framework for the environmental management of the development;</p> <p>(c) identify the statutory approvals that apply to the development;</p> <p>(d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development;</p> <p>(e) describe the procedures that would be implemented to:</p> <ul style="list-style-type: none"> keep the local community and relevant agencies informed about the operation and environmental performance of the development; receive, handle, respond to, and record complaints; resolve any disputes that may arise during the course of the development; respond to any non-compliance; and respond to emergencies; and <p>(f) include:</p> <ul style="list-style-type: none"> copies of any strategies, plans and programs approved under the conditions of this development consent; and a clear plan depicting all the monitoring required to be carried out under the conditions of this consent. <p>The Applicant must implement any Environmental Management Strategy as approved from time to time by the Secretary.</p>			
5	2	ENVIRONMENTAL MANAGEMENT Management Plan Requirements	<p>The Applicant must ensure that the Management Plans required under this consent are prepared in accordance with any relevant guidelines, and include:</p> <p>(a) detailed baseline data;</p> <p>(b) a description of:</p> <ul style="list-style-type: none"> the relevant statutory requirements (including any relevant approval, licence or lease conditions); any relevant limits or performance measures/criteria; and the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measures; <p>(c) a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria;</p> <p>(d) a program to monitor and report on the:</p> <ul style="list-style-type: none"> impacts and environmental performance of the development; and effectiveness of any management measures (see (c) above); <p>(e) a contingency plan to manage any unpredicted impacts and their consequences;</p> <p>(f) a program to investigate and implement ways to improve the environmental performance of the development over time;</p> <p>(g) a protocol for managing and reporting any:</p> <ul style="list-style-type: none"> incidents; complaints; Non Compliance with statutory requirements; and exceedances of the impact assessment criteria and/or performance criteria; and <p>(h) a protocol for periodic review of the plan.</p> <p>(i) a document control table that includes version numbers, dates when the management plan was prepared and reviewed, names and positions of people who prepared and reviewed the management plan, a description of any revisions made and the date of the Secretary's approval.</p> <p>Note: The Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.</p>	Management Plans	Compliant	
5	3	ENVIRONMENTAL MANAGEMENT Updating & Staging Submission of Strategies, Plans or Programs	<p>To ensure the strategies, plans or programs under this consent are updated on a regular basis, and that they incorporate any appropriate mitigation measures to improve the environmental performance of the development, the Applicant may at any time submit revised strategies, plans or programs to the Secretary for approval. With the agreement of the Secretary, the Applicant may also submit any strategy, plan or program required by this consent on a staged basis.</p> <p>With the agreement of the Secretary, the Applicant may revise any strategy, plan or program approved under this consent without consulting with all the parties nominated under the applicable conditions of consent.</p> <p>Notes:</p>		N/A	Not triggered - There has been no incident since the last audit that would warrant review of the Strategies. Next strategy review will be within 3 months of this audit.

Schedule	Condition No.	Title	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
			<ul style="list-style-type: none"> While any strategy, plan or program may be submitted on a progressive basis, the Applicant will need to ensure that the existing operations on site are covered by suitable strategies, plans or programs at all times. If the submission of any strategy, plan or program is to be staged, then the relevant strategy, plan or program must clearly describe the specific stage to which the strategy, plan or program applies, the relationship of this stage to any future stages, and the trigger for updating the strategy, plan or program. 			
5	4	ENVIRONMENTAL MANAGEMENT Revision of Strategies, Plans & Programs	<p>Within 3 months of the submission of an:</p> <p>(a) incident report under condition 7 below;</p> <p>(b) Annual Review under condition 9 below;</p> <p>(c) audit report under condition 10 below; and</p> <p>(d) any modifications to this consent,</p> <p>the Applicant must review, and if necessary revise, the strategies, plans, and programs required under this consent, to the satisfaction of the Secretary.</p> <p>Note: This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the development.</p>	www.holcim.com.au (last checked 08/01/2018) Annual Review 2016 Audit interviews (Amy Nelson)	Not Compliant	<p>The Environmental Management Strategy has not been revised since March 2014, as per the Strategy available on the Holcim website http://www.holcim.com.au/fileadmin/templates/AU/doc/Community_Link/Cooma_Road/EnvironmentalMgtPlans/EnvironmentalMgtStrategy.pdf</p> <p>Annual Review report for 2016 mentions the Modifications to SSD_5109 (page 6).</p> <p>Evidence for review of the Strategy following modifications to the consent SSD_5109 as per the August 2016 Modification was not provided to the Auditor.</p> <p>Recommendation: Prepare and save minutes of meetings where documentation Management Reviews and / or procedural document reviews are undertaken.</p>
5	5	ENVIRONMENTAL MANAGEMENT Adaptive Management	<p>The Applicant must assess and manage development-related risks to ensure that there are no exceedances of the criteria and/or performance measures in Schedule 3. Any exceedance of these criteria and/or performance measures constitutes a breach of this consent and may be subject to penalty or offence provisions under the EP&A Act or EP&A Regulation.</p> <p>Where any exceedance of these criteria and/or performance measures has occurred, the Applicant must, at the earliest opportunity:</p> <p>(a) take all reasonable and feasible measures to ensure that the exceedance ceases and does not recur;</p> <p>(b) consider all reasonable and feasible options for remediation (where relevant) and submit a report to the Department describing those options and any preferred remediation measures or other course of action; and</p> <p>(c) implement remediation measures as directed by the Secretary, to the satisfaction of the Secretary.</p>		N/A	Not triggered - There have not been any exceedances
5	6	ENVIRONMENTAL MANAGEMENT Community Consultative Committee	<p>The Applicant must establish and operate a Community Consultative Committee (CCC) for the development to the satisfaction of the Secretary. This CCC must be operated in general accordance with the Guidelines for Establishing and Operating Community Consultative Committees for Mining Developments (Department of Planning, 2007, or its latest version), and be operating within 6 months of the date of this consent.</p> <p>Notes:</p> <ul style="list-style-type: none"> The CCC is an advisory committee. The Department and other relevant agencies are responsible for ensuring that the Applicant complies with this consent. In accordance with the guideline, the Committee should comprise an independent chair and appropriate representation from the Applicant, Council, recognised environmental groups and the local community. 	http://www.holcim.com.au/cooma-road.html	Compliant	<p>CCC meeting minutes are on the website - http://www.holcim.com.au/about-us/community-link/cooma-road/our-community.html</p> <p>CCC meetings are held twice early – May and October. CCC annual reports for 2014, 2015 and 2016 are available.</p>
5	7	REPORTING Incident Reporting	<p>The Applicant must immediately notify the Secretary and any other relevant agencies of any incident.</p> <p>Within 7 days of the date of the incident, the Applicant must provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested.</p>		N/A	Not triggered
5	8	REPORTING Regular Reporting	<p>The Applicant must provide regular reporting on the environmental performance of the development on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this consent.</p>	http://www.holcim.com.au (last checked 08/01/2018)	Compliant	<p>Website http://www.holcim.com.au/sustainability/environment/pollution-monitoring-data.html has fortnightly Pollution Monitoring Data reports for all quarries. Cooma Road Quarry information includes Water, Blasting (Overpressure and Vibration)</p> <p>Website http://www.holcim.com.au/about-us/community-link/cooma-road/planning-approvals.html has environmental management plans, PIRMP,</p>

Schedule	Condition No.	Title	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
						incident and complaints reports, truck movement data and independent audit reports. Annual Review reports for 2014, 2014, 2015 and 2016 are also available on the website.
5	9	REPORTING Annual Review	<p>By the end of March each year, or other timing as may be agreed by the Secretary, the Applicant must submit a report to the Department reviewing the environmental performance of the development to the satisfaction of the Secretary. This review must:</p> <p>(a) describe the development (including rehabilitation) that was carried out in the previous calendar year, and the development that is proposed to be carried out over the current calendar year;</p> <p>(b) include a comprehensive review of the monitoring results and complaints records of the development over the previous calendar year, which includes a comparison of these results against:</p> <ul style="list-style-type: none"> the relevant statutory requirements, limits or performance measures/criteria; requirements of any plan or program required under this consent; the monitoring results of previous years; and the relevant predictions in the documents listed in condition 2(a) of Schedule 2; <p>(c) identify any Non-Compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;</p> <p>(d) identify any trends in the monitoring data over the life of the development;</p> <p>(e) identify any discrepancies between the predicted and actual impacts of the development, and analyse the Potential cause of any significant discrepancies; and</p> <p>(f) describe what measures will be implemented over the current calendar year to improve the environmental performance of the development.</p> <p>The Applicant must ensure that copies of the Annual Review are submitted to Council and are available to the Community Consultative Committee (see condition 6 of Schedule 5) and any interested person upon request.</p>	Annual Review reports during 2014, 2015 and 2016	Compliant	<p>The 2016 Annual Review report doesn't reflect the Modifications to the SSD_5109, though it is mentioned, on page 6:</p> <p>In accordance with Schedule 5, Condition 4 of the modified Development Consent the site is required to undertake an Annual Review of the site.</p> <p>Annual Review report copies are available on the website.</p>
5	10	INDEPENDENT ENVIRONMENTAL AUDIT	<p>Within a year of the date of this consent, and every 3 years thereafter, unless the Secretary directs otherwise, The Applicant must commission and pay the full cost of an Independent Environmental Audit of the development. This audit must:</p> <p>(a) be conducted by suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;</p> <p>(b) include consultation with the relevant agencies;</p> <p>(c) assess the environmental performance of the development and whether it is complying with the relevant requirements in this consent and any relevant EPL and/or Water Licence (including any assessment, plan or program required under these approvals);</p> <p>(d) review the adequacy of any approved strategy, plan or program required under these approvals;</p> <p>(e) recommend measures or actions to improve the environmental performance of the development, and/or any assessment, plan or program required under these approvals; and</p> <p>(f) be conducted and reported to the satisfaction of the Secretary.</p> <p>Note: This audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Secretary.</p>		Compliant	Condition found to be compliant in the previous audit (first IEA). Current audit is the second IEA.
5	11		<p>Within 10 weeks of commissioning this audit, or as otherwise agreed by the Secretary, the Applicant must submit a copy of the audit report to the Secretary and any other NSW agency that requests it, together with its response to any recommendations contained in the audit report.</p>		N/A	Not triggered
5	12	ACCESS TO INFORMATION	<p>By 30 September 2016, unless otherwise agreed by the Secretary, the Applicant must:</p> <p>(a) make the following information publicly available on its website:</p> <ul style="list-style-type: none"> the documents listed in condition 2(a) of Schedule 2; current statutory approvals for the development; approved strategies, plans or programs; a summary of the monitoring results of the development, which have been reported in accordance with the various plans and programs approved under the conditions of this consent; a complaints register, which is to be updated on a quarterly basis; the Annual Reviews (over the last 5 years); 	http://www.holcim.com.au (last checked 08/01/18)	Compliant	http://www.holcim.com.au/about-us/community-link/cooma-road/planning-approvals.html contains: Development Consent EPL EIS Environmental Management Strategy and various plans Complaint Registers and Environmental Reports Independent Audit Report and Responses Truck Movement Data (2016 and upto Nov 2017)

Schedule	Condition No.	Title	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
			<ul style="list-style-type: none"> any independent environmental audit, and the Applicant's response to the recommendations in any audit; any other matter required by the Secretary; and (b) keep this information up-to-date, to the satisfaction of the Secretary.			Annual Review Reports for 2013 to 2016 Other information including Community Consultative Committee meeting minutes and reports, Cooma Road Quarry photo gallery, pollution monitoring data etc are available through the website links (as of 08/01/2018)
Appendix 4		APPENDIX 4 ROAD MAINTENANCE CONTRIBUTIONS	Payment may be made as a lump sum payment of \$50,400 prior to the commencement of quarrying operations that increase production above 1 Mtpa or on a pro rata basis in accordance with the following table. Timing for when the contribution is payable: Amount payable (March 2012 dollars) First occasion where production exceeds 1 Mtpa, but is less than 1.1 Mtpa \$ 10,080 First occasion where production exceeds 1.1 Mtpa, but is less than 1.2 Mtpa \$ 10,080 First occasion where production exceeds 1.2 Mtpa, but is less than 1.3 Mtpa \$ 10,080 First occasion where production exceeds 1.3 Mtpa, but is less than 1.4 Mtpa \$ 10,080 First occasion where production exceeds 1.4 Mtpa. \$ 10,080 Notes 1. The Queanbeyan Section 94 Contribution Plan 2012 may be inspected at Council's Sustainability and Better Living Division, Council Chambers Queanbeyan. 2. The contribution specified is that which applies at the date of issue of this consent. Rates are reviewed quarterly. The contribution will only be accepted at the rate applying at the date of payment. Council's Sustainability and Better Living Division should be contacted to receive a current contribution notice of charges prior to payment.		N/A	Not triggered

Appendix 8 Statement of Commitments

Commitment Aspect	Commitment Number	Commitment Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
Concrete Recycling	1	The receipt and processing of clean excess concrete from approved suppliers for recycling as product. Proof of origin of the concrete and validation of recycled concrete material received (to confirm it is free of general waste materials, wood, paper and metals) will apply to the concrete recycling process. No demolition wastes, or similar, will be accepted.	Site Audit Interviews (Amy Nelson, Adam Bertram) Site Audit observations (01/12/17)	Compliant	2,000 tonnes of waste concrete from Holcim concrete plant received (ie non-contaminated) during audit period. The concrete on site was visually inspected and found to be clean.
Crown Land Road Reserve	2	Holcim Australia will visibly delineate the northern boundary of Lot 1 DP 808393 to identify the location of the adjacent Crown land road reserve.	Site Audit Interviews (Amy Nelson, Adam Bertram) Site Audit observations (01/12/17)	Compliant	Site delineation by survey pegs were observed on site
Overburden Emplacement	3	No overburden associated with the Development will be placed within the previously approved overburden emplacement area to the west of the extraction area, identified as 'Approved Disturbance Area – Overburden Emplacement' on Figure 2.1 Cooma Road Quarry Existing Operations.	Site Audit Interviews (Amy Nelson, Adam Bertram) Site Audit observations (01/12/17)	Compliant	Based on the site inspection, no overburden has been placed in this area
Surface Water	4	The walls of all water management dams will be inspected biennially (every two years) for their structural integrity and for any maintenance requirements. The walls of the water management dams will be grassed and kept free of any trees and shrubs.	Draft Water Management Plan (2014) Site observations (01/12/17)	Compliant	Based on site observation on site, SIP dam wall is rock rip-rap so cannot be grassed however has structurally sound. Supervisors regularly check for site conditions.
Aboriginal Heritage	5	All Holcim Australia employees and contractors accessing Cooma Road Quarry will be made aware of the presence of archaeological sites Cooma Quarry 1 and Cooma Quarry 2, and the need to avoid impacts on these sites.	-	Compliant	This is covered in site inductions
	6	Cooma Quarry 2 will be fenced during the construction phase to avoid any unintended impacts to the site.	-	N/A	This requirement is not relevant anymore
	7	Consultation with local Aboriginal community representatives will be undertaken to develop a culturally appropriate ongoing management strategy to avoid unintended impacts to Cooma Quarry 1 and Cooma Quarry 2.	Site Audit Interviews (Amy Nelson, Adam Bertram) Site Audit observations (01/12/17)	Compliant	Management plans are complete and in place.
Historic Heritage	8	An exclusion zone of at least 20 metres will be established around the Moses Morley's Lime Kiln site and associated buildings during the construction of the Eastern Dam.	-	N/A	Not triggered
	9	The existing fence around the Moses Morley's Lime Kiln site and associated buildings will be maintained and the opportunity for extending the fencing out to include the exclusion zone will be investigated.	Site Audit Interviews (Amy Nelson, Adam Bertram) Site Audit observations (01/12/17)	Compliant	The fence around the Kiln was observed during site inspection
	10	Vegetation within the existing fenced area of the Moses Morley's Lime Kiln site will be managed to limit adverse impacts on the kiln site associated with vegetation growth.	Site Audit Interviews (Amy Nelson, Adam Bertram) Site Audit observations (01/12/17)	Compliant	The Kiln site is managed well, as per site observation.
	11	Holcim Australia will inspect the physical condition of the Moses Morley's Lime Kiln site on a 6-monthly basis and compare the condition with the photographs contained in this report. The results of these inspections will be reported in the site's Annual Review.	Site Audit Interviews (Amy Nelson, Adam Bertram) Site Audit observations (01/12/17)	Compliant	Six-monthly inspection reports and before-after photos of the Kiln in the blasting reports were sighted. The Kiln site is managed well, as per site observation.
	12	Prior to any blasting or construction activities, photographic/archival recording of the Moses Morley's Lime Kiln site will be undertaken in accordance with Heritage Branch, OEH guidelines Photographic Recording of Heritage Items Using Film or Digital Capture (2006). The photographic/archival record will be updated every five years until the cessation of quarrying activities	Site Audit Interviews (Amy Nelson, Adam Bertram) Site Audit observations (01/12/17)	Compliant	Six-monthly inspection reports and before-after photos of the Kiln in the blasting reports were sighted

	13	Holcim Australia will make good/repair any damage to the Moses Morley Kiln site which occurs due to Cooma Road Quarry operations. Any repairs will be undertaken in a suitable manner using appropriate fabric and by an appropriately skilled heritage professional.	-	N/A	The Kiln is monitored during quarry operations and no damage has been reported.
Air Quality	14	The existing dust control measures will continue to be implemented on site, including: <ul style="list-style-type: none"> • minimisations of the total disturbed/working areas at any one time; • dust collection during drilling operations; • enclosure of the primary and secondary crushing plants and screening transfer points; • watering of unsealed roads, working areas and stockpiles; • water sprays on the conveyors; • dust extraction system within the secondary crushing plant; and • truck wheel wash facility. 	Site Audit Interviews (Amy Nelson, Adam Bertram) Site Audit observations (01/12/17)	Compliant	Water cart is used on site to minimize dust generation. Other measures as per air quality management plan and air quality data is reported
Greenhouse Gases	15	Holcim Australia will monitor diesel usage and seek opportunities for further efficiency, including consideration of fuel efficiency in equipment selection.	Site Audit Interviews (Amy Nelson, Adam Bertram) Site Audit observations (01/12/17)	Compliant	Fuel usage is monitored via standard operating procedures for Holcim
Noise and Blasting	16	Holcim Australia is committed to managing the noise impact of the Development and will implement the following controls: <ul style="list-style-type: none"> • the attenuation of the primary crushing plant from a sound power level of 120 dB(A) to approximately 112 dB(A); • the management of loaders and road haulage trucks to minimise the number of machines running in exposed locations at any one point in time; • the management of the layout of the stockpiles and work areas to minimise the number of machines running in exposed locations; • the management of stockpiles to act as barriers between working machines and potential receiver areas (applicable to potential exposed areas higher within the quarry and product area); • not running the secondary crushing plant during the evenings (between 6.00 pm and 10.00 pm) if potentially adverse weather conditions aid in the propagation of noise to the receiver areas; and • the construction of an earth-berm situated along the eastern extent of the proposed infrastructure area. 	Site Audit Interviews (Amy Nelson, Adam Bertram) Site Audit observations (01/12/17) Annual Reports and monitoring data as per Holcim website Complaints register	Compliant	Noise monitoring data and complaints register indicate the required actions being undertaken.
Visual	17	Built elements of the new infrastructure area will be sympathetically coloured to blend into the environment, where feasible (e.g. use of green and brown tones).	-	N/A	Not triggered
Hazards	18	Holcim Australia will store all dangerous goods in accordance with dangerous goods storage requirements and relevant Australian Standards.	Site audit interviews (Adam Bertram) and site inspection	Compliant	Dangerous goods are generally stored in the workshop area and managed as per Safety Data Sheets available on the Holcim website.
	19	Holcim Australia will continue to implement the appropriate measures to reduce the risk of fire ignition and the spread of bushfire across the site in consultation with the RFS.	Site audit interviews (Adam Bertram) and site inspection	Compliant	(a) Water cart equipped with hose for fire fighting. (b) Standpipe compatible with RFS is available on site
Waste	20	All waste materials removed from the site shall only be directed to a waste management facility or premises lawfully permitted to accept the materials.	Site audit interviews (Adam Bertram) and site inspection	Compliant	No waste stockpile was observed during site inspection. Waste materials are sorted into 3m ³ bins. Waste management service by contractors – waste receipts were inspected – eg Remondis 30 June 2017, 31 Aug 2017; Southern Oil (waste oil) on 11 Nov 2017; Southern Oil (waste filter) on 11 Oct 2017. Waste oil is managed in a bunded area. One open waste oil drum for temporary storage was sighted outside the bund.
Community Engagement	21	Holcim Australia will continue to operate a Community Line for the Cooma Road Quarry for the life of the Development.	http://www.holcim.com.au/cooma-road.html	Compliant	Community Consultative Committee details are on the Holcim website.

Appendix 9 NOISE COMPLIANCE ASSESSMENT

Condition Aspect	Condition Number	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
Applicable Meteorological Conditions	1	The noise criteria in Table 1 of the conditions are to apply under all meteorological conditions except the following: (a) during periods of rain or hail; (b) average wind speed at microphone height exceeds 5 m/s; (c) wind speeds greater than 3 m/s measured at 10 m above ground level; or (d) temperature inversion conditions greater than 3°C/100 m.	Acoustic Report INX incident register entry 11 June 2014 – community complaint regarding blasting Noise management plan section 5.2 design controls Quarterly noise monitoring is undertaken by specialist consultants – reports of June 2016 & Dec 2016 by WSP and April 2017 & September 2017 by MAC sighted	Compliant	No Non-Compliances found. Noise monitoring and reporting practices are implemented.
Determination of Meteorological Conditions	2	Except for wind speed at microphone height, the data to be used for determining meteorological conditions must be that recorded by the meteorological station on or in the vicinity of the site.	Site audit interviews (Adam Bertram) and site inspection	Compliant	Meteorological station is installed (see Project Approval, Schedule 3, Condition 17).
Compliance Monitoring	3	Unless directed otherwise by the Secretary, quarterly attended monitoring is to be used to evaluate compliance with the relevant conditions of consent. Note: The Secretary may direct that the frequency of attended monitoring increase or decrease at any time during the life of the development.	2014, 2015 and 2016 Annual Review are on the website and includes monitoring data. Fortnightly pollution monitoring records are on the website	Compliant	No Non-Compliances found. Noise monitoring and reporting practices are implemented.
	4	Unless otherwise agreed with the Secretary, this monitoring is to be carried out in accordance with the relevant requirements for reviewing performance set out in the NSW Industrial Noise Policy (as amended from time to time), in particular the requirements relating to: (a) monitoring locations for the collection of representative noise data; (b) meteorological conditions during which collection of noise data is not appropriate; (c) equipment used to collect noise data, and conformity with Australian Standards relevant to such equipment; and (d) modifications to noise data collected including for the exclusion of extraneous noise and/or penalties for modifying factors apart from adjustments for duration.	Noise Management Plan (2014)	Compliant	Monitoring program described in the Noise Management Plan (2014).

Condition	Conditio	Requirement	Evidence Verified	Compliance	Comments and Recommendations												
1 Administrative Conditions																	
A1 What the licence authorises and regulates	A1.1	<p>This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation. Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.</p> <p>Crushing, grinding or separating > 500000 - 2000000 T processed</p> <p>Land based extractive activity > 500000 - 2000000 T extracted, processed or stored</p>	-	Compliant	<p>Records indicate a total production of 763,223.4 tonnes in 2017 till 24.11.17. The total quarry production in 2016 was approx. 528,184.61 tonnes and in 2015 it was 527,041.17 tonnes.</p> <p>Product usage and sales spreadsheet includes imported VENM</p>												
A2 Premises or plant to which this license applies	A2.1	<p>Premises Details:</p> <p>COOMA ROAD QUARRY COOMA ROAD QUEANBEYAN NSW 2620 LOT 103 DP 754881, LOT 110 DP 754881, LOT 111 DP 754881, LOT 124 DP 754881, LOT 1 DP 808393 AND CROWN ROAD ADJACENT TO LOT 1 DP808393</p>	-	Noted	-												
A3 Information supplied to the EP A	A3.1	<p>Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence. In this condition the reference to "the licence application" includes a reference to:</p> <p>a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and</p> <p>b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.</p>	-	Noted	-												
2 Discharges to Air and Water and Applications to Land																	
P1 Location of monitoring/dischARGE points and areas	P1.1	<p>The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;"><i>Water and land</i></th> </tr> <tr> <th style="text-align: left;">EPA Identification no.</th> <th style="text-align: left;">Type of Monitoring Point</th> <th style="text-align: left;">Type of Discharge Point</th> <th style="text-align: left;">Location Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Discharge to waters Discharge quality monitoring Volume monitoring</td> <td>Discharge to waters Discharge quality monitoring Volume monitoring</td> <td>Outlet from sediment interception pond to Barracks Creek labelled as "Discharge Point" on map titled "Cooma Road Quarry - Site Map 24 May 1999" submitted to EPA with Licence Information Form and dated 3 August 1999</td> </tr> </tbody> </table>	<i>Water and land</i>				EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description	1	Discharge to waters Discharge quality monitoring Volume monitoring	Discharge to waters Discharge quality monitoring Volume monitoring	Outlet from sediment interception pond to Barracks Creek labelled as "Discharge Point" on map titled "Cooma Road Quarry - Site Map 24 May 1999" submitted to EPA with Licence Information Form and dated 3 August 1999	Holcim website Annual Reports for 2014, 2015, 2016	Compliant	Water quality data is included in the Annual Reports
	<i>Water and land</i>																
EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description														
1	Discharge to waters Discharge quality monitoring Volume monitoring	Discharge to waters Discharge quality monitoring Volume monitoring	Outlet from sediment interception pond to Barracks Creek labelled as "Discharge Point" on map titled "Cooma Road Quarry - Site Map 24 May 1999" submitted to EPA with Licence Information Form and dated 3 August 1999														
P1.2	<p>The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.</p> <p>Outlet from sediment interception pond to Barracks Creek labelled as "Discharge Point" on map titled "Cooma Road Quarry - Site Map 24 May 1999" submitted to EPA with Licence Information Form and dated 3 August 1999 1 Discharge to waters Discharge quality monitoring Volume monitoring Discharge to waters Discharge quality monitoring Volume monitoring.</p>	-	Noted	SIP pond inspected													

3 Limit Conditions																												
Condition	Condition Number	Requirement	Evidence Verified	Compliance	Comments and Recommendations																							
L1 Pollution of waters	L1.1	Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.	2014, 2-015, 2016 Annual Review EPA Annual Returns for 2014, 2015, 2016 and 2017 INX incident register (01/01/14-08/01/18)	Compliant	No pollution incident recorded during audit period No discharge from SIP (only licensed discharge point).																							
L2 Concentration limits	L2.1	For each monitoring/discharge point or utilisation area specified in the table/s below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.	2014, 2-015, 2016 Annual Review EPA Annual Returns for 2014, 2015, 2016 and 2017 INX incident register (01/01/14-08/01/18)	Compliant	No pollution incident recorded during audit period No discharge from SIP (only licensed discharge point).																							
	L2.2	Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.	2014, 2-015, 2016 Annual Review EPA Annual Returns for 2014, 2015, 2016 and 2017 INX incident register (01/01/14-08/01/18)	Compliant	No pollution incident recorded during audit period No discharge from SIP (only licensed discharge point).																							
	L2.3	To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the tables.	-	Noted	-																							
	L2.4	Water and/or Land Concentration Limits POINT 1 <table border="1" data-bbox="537 934 1294 1186"> <thead> <tr> <th>Pollutant</th> <th>Units of Measure</th> <th>50 percentile concentration limit</th> <th>90 percentile concentration limit</th> <th>3DGM concentration limit</th> <th>100 percentile concentration limit</th> </tr> </thead> <tbody> <tr> <td>Oil and Grease</td> <td>milligrams per litre</td> <td></td> <td></td> <td></td> <td>10</td> </tr> <tr> <td>pH</td> <td>pH</td> <td></td> <td></td> <td></td> <td>6.5-8.5</td> </tr> <tr> <td>Total suspended solids</td> <td>milligrams per litre</td> <td></td> <td></td> <td></td> <td>50</td> </tr> </tbody> </table>	Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit	Oil and Grease	milligrams per litre				10	pH	pH				6.5-8.5	Total suspended solids	milligrams per litre				50	2014, 2-015, 2016 Annual Review EPA Annual Returns for 2014, 2015, 2016 and 2017 INX incident register (01/01/14-08/01/18)	Compliant
Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit																							
Oil and Grease	milligrams per litre				10																							
pH	pH				6.5-8.5																							
Total suspended solids	milligrams per litre				50																							
L3 Blasting	L3.1	The airblast overpressure level from blasting operations in or on the premises must not exceed: (a) 115 dB (Lin Peak) for more than 5% of the total number of blasts during each reporting period; and (b) 120 dB (Lin Peak) at any time. At any point within 1 metre of any affected residential boundary or other noise sensitive location such as a school or hospital.	2014 2015 and 2016 Annual Review EPA Annual Returns for 2014, 2015, 2016 and 2017 Monitoring Data reports INX event report listing 01/01/14 to 01/01/18	Compliant	One blast event logged in INX as breach of blasting limit (14/12/16) where 119.8dB was measured. Exceedance of the 115 dB limit notified to EPA & DP&E on 14/12/16. This result did not exceed the 120 dB max criteria or the annual limit for blasting. The exceedance is within 5% of the annual allowance.																							
	L3.2	The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed: (a) 5 mm/s for more than 5% of the total number of blasts carried out on the premises during each reporting period; and At any point within 1 metre of any affected residential boundary or other noise sensitive location such as a school or hospital.	2014 2015 and 2016 Annual Review Monitoring Data reports INX event report listing 01/01/14 to 01/01/18 EPA Annual Returns for 2014, 2015, 2016 and 2017	Compliant	-																							
	L3.3	To determine compliance with condition(s) L3.1 and L3.2: (a) Airblast overpressure and ground vibration levels must be measured at the "New Blast Monitor" location as shown on the map titled "Cooma Road Quarry Resource Definition Work Program" dated 12 August 2004 for all blasts carried out in or on the premises; and (b) Instrumentation used to measure the airblast overpressure and ground vibration levels must meet the requirements of Australian Standard 2187.2 of 1993.	Blast Management Plan 2014 2015 and 2016 Annual Review Monitoring Data reports INX event report listing 01/01/14 to 01/01/18 EPA Annual Returns for 2014, 2015, 2016 and 2017	Compliant	-																							

Condition	Conditio	Requirement	Evidence Verified	Compliance	Comments and Recommendations
4 Operating Conditions					
O1 Activities must be carried out in a competent manner	O1.1	Licensed activities must be carried out in a competent manner. This includes: a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.	Site audit interviews (Adam Bertram) and site inspection EPA Annual Returns for 2014, 2015, 2016 and 2017	Not Compliant	No waste stockpile was observed during site inspection. Waste materials are sorted into 3m ³ bins. Waste management service by contractors – waste receipts were inspected – eg Remondis 30 June 2017, 31 Aug 2017; Southern Oil (waste oil) on 11 Nov 2017; Southern Oil (waste filter) on 11 Oct 2017. Waste oil is managed in a bunded area. One open waste oil drum for temporary storage was sighted outside the bund. The auditees mentioned that this area is served by a oil/grease separator with hardstand sloping towards a capture drain. However, the area is not protected by any bunds and stormwater or surface water contamination is possible during storm events. Recommendation: Refer to MCoA Schedule 3 Condition 31 above.
O2 Maintenance of plant and equipment	O2.1	All plant and equipment installed at the premises or used in connection with the licensed activity: a) must be maintained in a proper and efficient condition; and b) must be operated in a proper and efficient manner.	Sighted equipment and plant maintenance and operations planner registers, Procedure for training and assessment of operators; Safe Work Procedures and Structured Training Program (May 2014) Audit Interview (Amy Nelson, Peter Hewson) EPA Annual Returns for 2014, 2015, 2016 and 2017	Compliant	Maintenance is carried out under a SAP maintenance system with a maintenance planner (register); the mobile plant is maintained as per the OEM recommendations of 250 hr intervals for servicing. Operation of such equipment is in accordance with the OEM handbook and is verified by a certificate 4 qualified trainer and assessor as per Safe Work Procedures.
O3 Dust	O3.1	The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.	Air Quality Management Plan (March 2014) 2015-2016 Annual Review EPA Annual Returns for 2014, 2015, 2016 and 2017	Compliant	Dust control measures are applied at the site and progressive rehabilitation appears to have been maximised with topsoil application and revegetation of non-operational areas. Water cart is employed to suppress dust emissions from site operations. Monitoring data is included in Annual Review
5 Monitoring and Recording Conditions					
M1 Monitoring records	M1.1	The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.	-	Noted	
	M1.2	All records required to be kept by this licence must be: a) in a legible form, or in a form that can readily be reduced to a legible form; b) kept for at least 4 years after the monitoring or event to which they relate took place; and c) produced in a legible form to any authorised officer of the EPA who asks to see them.	2014, 2015 and 2016 Annual Review. 2014-2017 fortnightly pollution monitoring records	Not Verified	a) data recorded in pdf and Excel forms (water pH, O&G and TSS; blasting data) and Annual Review b) not verified c) not triggered
	M1.3	The following records must be kept in respect of any samples required to be collected for the purposes of this licence: a) the date(s) on which the sample was taken; b) the time(s) at which the sample was collected; c) the point at which the sample was taken; and d) the name of the person who collected the sample.	2014, 2015 and 2016 Annual Review. 2014-2017 fortnightly pollution monitoring records ALS sampling field sheets dated 2 June 2017 and 19 Jan 2018	Compliant	Water data as reported in the Annual Review: a) Monitoring summary records provide a 'Sampling Date' – Compliant. b) Times are provided on the monitoring summary records c) Compliant d) Initials of the field samplers are given on field sheets (no names are clear) Holcim representatives answered that the records provided by ALS are kept in a folder called ALS Monitoring Folder. This folder was not sighted. Recommendation: Monitoring records should provide the name of the sampler as required, not just initials.

Condition	Condition Number	Requirement	Evidence Verified	Compliance	Comments and Recommendations
M2 Recording of pollution complaints	M2.1	The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.	INX incident register extract (01/01/14-08/01/18) Complaints register Community Complaints register http://www.holcim.com.au/cooma-road.html INX extracts for complaint registered 13 March 2017 (No 232218) and 1 Dec 2017 (No 250254)	Compliant	Details of complaints, action and status are recorded in the complaints register available on the community link and planning & approval web pages. The community complaints (to Nov 17) record presented on the website is a summarized events report (INX extract) which doesn't show date or other details for the blast complaint on 13 March 2017 as noted in the INX extract. However, the INX register, as evidenced by the detailed INX extract sighted includes all required details.
	M2.2	The record must include details of the following: a) the date and time of the complaint; b) the method by which the complaint was made; c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect; d) the nature of the complaint; e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and f) if no action was taken by the licensee, the reasons why no action was taken.	INX incident register extract (01/01/14-08/01/18) Complaints register Community Complaints register http://www.holcim.com.au/cooma-road.html INX extracts for complaint registered 13 March 2017 (No 232218) and 1 Dec 2017 (No 250254)	Observation	The required details of complaints, action and status are recorded in the incident report form. The method by which the complaint was made is not clear on the two extracts presented. Recommendation: all required details should be noted on the forms
	M2.3	The record of a complaint must be kept for at least 4 years after the complaint was made.	INX incident register (01/01/14-08/01/18)	Compliant	Records are available online and in Annual Reports
	M2.4	The record must be produced to any authorised officer of the EPA who asks to see them.	Letter from EPA advising compliance (21/11/14)	Compliant	Complaint against blasting investigated by EPA, did not exceed criteria.
M3 Telephone complaints line	M3.1	The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.	http://www.holcim.com.au/cooma-road.html	Compliant	Community link webpage is accessible to public and has contact details.
	M3.2	The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.	http://www.holcim.com.au/cooma-road.html	Compliant	Community link webpage is accessible to public and has contact details.
	M3.3	The preceding two conditions do not apply until 3 months after: a) the date of the issue of this licence or b) if this licence is a replacement licence within the meaning of the Protection of the Environment Operations (Savings and Transitional) Regulation 1998, the date on which a copy of the licence was served on the licensee under clause 10 of that regulation.	-	Noted	-

Condition	Condition Number	Requirement	Evidence Verified	Compliance	Comments and Recommendations
6 Reporting Conditions					
R1 Annual return documents	R1.1	The licensee must complete and supply to the EPA an Annual Return in the approved form comprising: a) a Statement of Compliance; and b) a Monitoring and Complaints Summary. At the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.	EPA Annual Return (2014, 2015, 2016 and 2017) INX extract event report for 01 Jan 2014 to 08 Jan 2018	Not Compliant	The 2017 (1 May 2016 – 30 Apr 2017) Annual Return Form G Statement of Compliance is incomplete. The blasting complaint of March 2017 (as noted in the INX extract) is not noted in the 2017 Annual Return (a similar complaint in 2014 was noted in the 2014 Annual Return). Recommendation: Annual Reports should be complete and signed off by relevant senior personnel.
	R1.2	An Annual Return must be prepared in respect of each reporting period, except as provided below.	EPA Annual Returns for 2014, 2015, 2016 and 2017	Compliant	-
	R1.3	Where this licence is transferred from the licensee to a new licensee: a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.	-	N/A	Not triggered
	R1.4	Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on: a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.	-	N/A	Not triggered
	R1.5	The Annual Return for the reporting period must be supplied to the EPA by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').	EPA Annual Returns for 2014, 2015, 2016 and 2017	Compliant	There are no reports of late submission
	R1.6	The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.	EPA Annual Returns for 2014, 2015, 2016 and 2017	Compliant	Four Annual Returns sighted
	R1.7	Within the Annual Return, the Statement of Compliance must be certified and the Monitoring and Complaints Summary must be signed by: a) the licence holder; or b) by a person approved in writing by the EPA to sign on behalf of the licence holder.	EPA Annual Returns for 2014, 2015, 2016 and 2017	Administrative Non-Compliance	Annual Returns for 2014, 2015 and 2016 are signed by Director and Secretary. Observation: Annual Return for 2017 is not signed on form H.
	R1.8	A person who has been given written approval to certify a certificate of compliance under a licence issued under the Pollution Control Act 1970 is taken to be approved for the purpose of this condition until the date of first review of this licence.	EPA Annual Returns for 2014, 2015, 2016 and 2017	Compliant	-
	NOTE	Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period. Note: An application to transfer a licence must be made in the approved form for this purpose.	-	Noted	-

Condition	Condition Number	Requirement	Evidence Verified	Compliance	Comments and Recommendations
R2 Notification of environmental harm	R2.1	Notifications must be made by telephoning the Environment Line service on 131 555.	-	N/A	Not triggered
	R2.2	The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred. Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.	EPL Annual Returns 2014, 2015, 2016 & 2017; Annual Reports/AEMR Online Pollution Monitoring Data	Not Compliant	There have been no serious environmental harm incidents occurred on site. Any environmental incidents should be included in the Annual Returns; However, Annual Return 2017 (01/5/16 – 30/4/17) form C did not include the one instance of lower than limits pH (6.3 against lower limit of 6.5) as noted on 1 Sept 2016 (AEMR 2016 and Attachment 4.1H Environmental Monitoring Worksheet for 1/9/16 – 15/9/16). Recommendation: Make sure Annual Reports are complete and include all relevant information.
R3 Written report	R3.1	Where an authorised officer of the EPA suspects on reasonable grounds that: a) where this licence applies to premises, an event has occurred at the premises; or b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence, and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.	Site audit interviews (Amy Nelson, Adam Bertram)	N/A	Not triggered
	R3.2	The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.	Incident Report	Compliant	Blasting complaint was reported to EPA on time
	R3.3	The request may require a report which includes any or all of the following information: a) the cause, time and duration of the event; b) the type, volume and concentration of every pollutant discharged as a result of the event; c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event; d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort; e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants; f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and g) any other relevant matters.	Site audit interviews (Amy Nelson, Adam Bertram)	N/A	Not triggered
	R3.4	The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.	-	N/A	Not triggered
7 General Conditions					
G1 Copy of licence kept at the premises or plant	G1.1	A copy of this licence must be kept at the premises to which the licence applies.	Site Audit Interviews (Amy Nelson, Adam Bertram)	Not Verified	auditees advised that it is kept in Permit Compliance Folder in the weighbridge office -
	G1.2	The licence must be produced to any authorised officer of the EPA who asks to see it.	-	Noted	-
	G1.3	The licence must be available for inspection by any employee or agent of the licensee working at the premises.	-	Noted	-

WATER LICENCE 40WA413082

Condition	WATER LICENCE - Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
Conditions imposed pursuant to a Statutory Management Plan				
1	<p>A logbook must be kept and maintained at the authorised work site or on the property for each water supply work authorised by this approval, unless the work is metered and fitted with a data logger.</p> <p>A logbook is a document, electronic or hard copy, that records specific required information.</p> <p>A metered water supply work is a water supply work fitted with a data logger and a meter that complies with Australian standard AS 4747: meters for non-urban water supply.</p>	<p>Site Audit Interviews (Adam Bertram, Amy Nelson)</p> <p>Plant Water Usage 2017.xls</p> <p>Quarry Water Usage & Rainfall for 2017.xls</p>	Not Compliant	<p>Two spreadsheets are maintained for plant water usage and water usage vs rainfall. Such information for past years could not be verified as only 2017 logbooks were available at the audit.</p> <p>The plant water usage spreadsheet for 2017 indicates process water usage and total water usage as per meter reading. Data is available January to November 2017 at the time of this audit.</p> <p>The Water Licence number and other specific details on the logged meter/water source are not noted in the logbooks.</p> <p>Recommendation: update the logbook with required specific details.</p>
2	<p>The purpose or purposes for which water is taken, as well as details of the type of crop, area cropped, and dates of planting and harvesting, must be recorded in the logbook each time water is taken.</p>	<p>Water meter readings for 2017</p>	Not Compliant	<p>Water metering reading for general use and process water use at plant are noted in the spreadsheet.</p> <p>Only total water usage per month for quarry water usage is available.</p> <p>Recommendation: update the logbook with required specific details.</p>
3	<p>Where a water meter is installed on a water supply work authorised by this approval, the meter reading must be recorded in the logbook before taking water. This reading must be recorded every time water is to be taken.</p> <p>A water meter is a device that measures the volume of water that is extracted over a known period of time. Examples of a water meter may include a mechanical meter, electromagnetic meter, channel meter with mobile phone, or an authorised meter equivalent.</p>	<p>Water meter readings for January 2017</p>	Not Compliant	<p>Logbook entries are per monthly water consumption, not per water extraction. Reading is not recorded every time water is taken.</p> <p>Recommendation: update the logbook with required specific details.</p>
4	<p>Before water is taken through the water supply work authorised by this approval, confirmation must be recorded in the logbook that cease to take conditions do not apply and water may be taken.</p> <p>The method of confirming that water may be taken, such as visual inspection or internet search, must also be recorded in the logbook.</p> <p>If water may be taken, the:</p> <p>a. date, and</p> <p>b. time of the confirmation, and</p> <p>c. flow rate or water level at the reference point in the water source must be recorded in the logbook.</p> <p>Visual inspection means to physically inspect the gauge (or reference point) and confirm flow rate or water level by eye. Internet search means to confirm the flow rate or water level at the appropriate gauge by checking the correct website. Cease to take conditions means any condition on this approval, or on the access licence under which water is proposed to be taken, that prohibits the taking of water in a particular circumstance.</p>	<p>Water meter readings for January 2017</p>	Not Compliant	<p>Date, time and licence or approval number is not recorded in the logbook.</p> <p>Recommendation: Logbooks for WAL 413082 include all required information, including date, time and licence or approval number.</p>
5	<p>Once the approval holder becomes aware of a breach of any condition on this approval, the approval holder must notify the minister as soon as practicable. The minister must be notified by:</p> <p>a. email: information@water.nsw.gov.au,</p> <p>or</p> <p>b. telephone: 1800 353 104. Any notification by telephone must also be confirmed in writing within seven (7) business days of the telephone call.</p>	-	Observation	<p>Recommendation: The water approval related Non-Compliances described in this audit should be reported as per this condition.</p>
6	<p>When a water supply work authorised by this approval is to be abandoned or replaced, the approval holder must contact the NSW Office of Water in writing to verify whether the work must be decommissioned. The work is to be decommissioned, unless the approval holder receives notice from the minister not to do so. Within sixty (60) days of decommissioning, the approval holder must notify the NSW Office of Water in writing that the work has been decommissioned.</p>	-	N/A	<p>Not triggered</p>
7	<p>A logbook must be kept, unless the work is metered and fitted with a data logger. The logbook must be produced for inspection when requested by NSW Office of Water. A logbook is a document, electronic or hard copy, that records specific required information.</p>	<p>Water meter readings for January 2017</p>	Compliant	<p>Spreadsheet based logbook is maintained for both the plant and the quarry.</p>

8	The following information must be recorded in the logbook for each period of time that water is taken: a. date, volume of water, start and end time when water was taken as well as the pump capacity per unit of time, and b. the access licence number under which the water is taken, and c. the approval number under which the water is taken, and d. the volume of water taken for domestic consumption and/or stock watering. a logbook is a document, electronic or hard copy, that records specific required information.	Water meter readings for January 2017	Not-compliant	The logbook contains monthly total water usage only. It doesn't have date, time, volume of each water draw, access licence number etc. Recommendation: update the logbook with required information.
9	The completed logbook must be retained for five (5) years from the last date recorded in the logbook.	-	N/A	Not triggered
10	Any water supply work authorised by this approval must take water in compliance with the conditions of the access licence under which water is being taken.		Compliant	Water is used for site purposes as approved.
Other conditions				
1	Water, after having been used, shall be discharged into suitable settling ponds outside of the watercourse as approved by the department.	Site audit interviews (Adam Bertram) and site inspection	Compliant	Water retaining dams sighted on site
2	The ponds referred to in condition (2) shall be of sufficient capacity to effect removal of fine materials through settling.	Site audit interviews (Adam Bertram) and site inspection	Compliant	Water retaining dams sighted are visually deemed of sufficient capacity
3	The approval holder must not allow any tailwater or drainage water to discharge, by any means including surface or subsurface drains or pipes, from the approval holders property, into or onto:- - any adjoining public or crown road - any other persons land - any crown land - any river, creek or watercourse - any groundwater aquifer - any area of native vegetation as described in the Native Vegetation Vonservation Act 1997 or the Native Vegetation Act 2003 - any wetlands of environmental significance - any identified site of aboriginal significance - any identified site of cultural significance	Site audit interviews (Adam Bertram) and site inspection	Compliant	No discharge incident recorded. The topography of the site limits any opportunity for water to overflow or discharge outside of the quarry.
4	The holder of the approval must not construct or install works used for conveying, distributing or storing water taken by means of the approved work that obstruct the reasonable passage of floodwaters into or from a river.	Site audit interviews (Adam Bertram) and site inspection	Compliant	No such work has been undertaken
5	The right to use of the water in the creek conferred by this approval shall be subject and secondary to the use and requirements of the commonwealth of australia for all the purposes of the australian capital territory.	Site audit interviews (Adam Bertram) and site inspection	Compliant	Auditees confirm this requirement is adhere to.
6	The location of the dam(s) as shown on a plan retained in the office of nsw office of water shall not be altered.	Site audit interviews (Adam Bertram) and site inspection	Compliant	No alterations have been undertaken as per records
7	The holder of the approval must construct and maintain the approved work in a safe and proper manner that will minimise the possibility of damage being occasioned by it, or resulting from it to any public or private interest.	Site audit interviews (Adam Bertram) and site inspection	Compliant	No work resulting in damage has taken place.

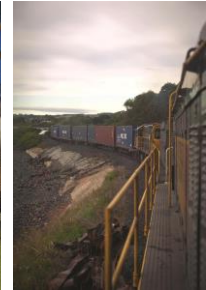
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