

Cooma Road Quarry

Independent Environmental Audit

Prepared for Holcim (Australia) Pty Ltd | 18 February 2015



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Final

Report J14135RP1 | Prepared for Holcim (Australia) Pty Ltd | 18 February 2015

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Date	18 February 2015	18 February 2015	Date	18 February 2015

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1 Introduction

EMGA Mitchell McLennan Pty Limited (EMM) was commissioned to undertake an independent environmental audit of the Holcim Australia Pty Limited (Holcim) Cooma Road Quarry, Queanbeyan in the Southern Tablelands region of New South Wales (NSW).

1.1 General

This independent environmental audit is required under Schedule 5, Condition 9 of State Significant Development Consent SSD-5109 issued on the 27 September 2013 for the *Cooma Road Quarry Continued Operations Project*. There have been no modifications to this Development Consent.

The objectives of the audit are to meet the requirements of Condition 9:

Within a year of the date of this consent, and every 3 years thereafter, unless the Director-General directs otherwise, the Applicant shall commission and pay the full cost of an Independent Environmental Audit of the development. This audit must:

- (a) be conducted by suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Director-General;
- (b) include consultation with the relevant agencies;
- (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);
- (d) review the adequacy of any approved strategy, plan or program required under these approvals; and
- (e) recommend measures or actions to improve the environmental performance of the development, and/or any assessment, plan or program required under these approvals.

Note: This audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Director-General.

This audit has been prepared in accordance with the Australian/New Zealand Guidelines for Quality and/or Environmental Systems Auditing (AS/NZS 19011:2003).

The audit generally covers activities undertaken up to the date of the site inspection on 27 November 2014. However, actions taken by Holcim to address draft audit recommendations provided on 20 December 2014 have been noted and where appropriate non-compliances have been amended accordingly.

1.2 Audit criteria and scope

Audit criteria are the policies, procedures or requirements against which an action will be compared. In this case, the audit criteria are the conditions, requirements and commitments in:

- *Development Consent for the Cooma Road Quarry Continued Operations* (28 September 2013);
- *Environmental Impact Statement (EIS) for the Cooma Road Quarry Continued Operations Project*, October 2012 (Umwelt 2012);

- Environment Protection Licence (EPL) 1453 – Cooma Road Quarry;
- Water License No. 40SL27690 – Cooma Road Quarry; and
- environmental management plans.

Since development consent was granted, the administrative procedures for water licensing have changed and Water License No. 40SL27690 has been converted to *Water Management Act 2000* licences: Work Approval (WA) 40WA413082 with linked Water Access Licence (WAL) 33412 (98 units). The site also has groundwater licences for a bore: 40WA411965 with WAL29091 (28 units). The two WA and two WALs for Cooma Road Quarry have been included in the audit.

1.3 Agency consultation

The development consent requires that the audit “include consultation with the relevant agencies”. Accordingly, letters were sent by email to the following agencies between 5 and 11 November 2014 requesting their comment on the compliance of the quarry with approval and licence conditions. These letters were followed up by email to agencies which had not responded on 2 December 2012 requesting a reply. Letters were sent to the following agencies:

- NSW Office for Water (NOW);
- Office for Environment and Heritage (OEH);
- Department of Primary Industries (DPI);
- Environment Protection Agency (EPA);
- Roads and Maritime Services (RMS);
- Queanbeyan City Council (Council); and
- Department of Planning and Environment (DP&E).

Consultation outcomes are summarised in Section 5.3.

2 Audit method

2.1 Opening meeting

An audit opening meeting was held at Holcim's Chatswood office (Tower B, Level 8, 799 Pacific Highway) between approximately 11.00 am and 12.30 pm on Wednesday 29 October 2014. The meeting was attended by the following:

- Rachel Heath, Holcim, Planning and Environment Manager NSW/ACT;
- Daniel Lidbetter, Holcim, NSW Planning and Environment Coordinator;
- Dr Philip Towler, EMM, lead auditor; and
- Mina Aynsley, EMM, assistant auditor.

The scope of the audit was confirmed at the meeting, the audit plan (see Appendix A) reviewed and site inspection arrangements made.

2.2 Site inspection

A full day site inspection was undertaken by the lead auditor and assistant auditor on 27 November 2014. They were escorted by Daniel Lidbetter. The site inspection included interviews with site personnel, a review of the environmental files (electronic and hardcopies), requests for further documentation held on site and an inspection of the entire quarry site.

2.3 Closing meeting

A closing meeting (teleconference) was held with Holcim on 13 February 2015 following provision of the draft audit report on 19 December 2014. The meeting was attended by Daniel Lidbetter (Holcim), Dr Philip Towler and Mina Aynsley (EMM). The draft audit report findings and recommendations were discussed.

3 Audit team roles and responsibilities

3.1 Holcim audit team

Daniel Lidbetter was responsible for assisting the auditors. Daniel is Holcim's NSW Planning and Environment Coordinator. In this role, he is responsible for providing assistance on the implementation of management plans and compliance with the conditions of consent.

Adam Bertram is Holcim's Quarry Manager at the Cooma Road Quarry. In this role, he is responsible for the implementation of management plans and compliance with the conditions of consent.

3.2 EMM audit team

The lead auditor and audit report author was Dr Philip Towler. Philip has 18 years experience in managing environmental programs, including expertise in project management, conducting environmental audits and due diligence reviews, the preparation of environmental and social impact assessments and environmental management plans for resources projects around Australia and internationally. Philip has been approved as a compliance auditor by the NSW Department of Planning and Environment.

Mina Aynsley provided support to the lead auditor.

3.3 Independence of the EMM audit team

Philip and Mina are independent of Holcim. The accepted test of this is that the person has not undertaken work for the organisation in question for the prior five years and there is no other contractual association. This is the case as the proposed audit team members have not worked for Holcim, other than on the Lynwood Quarry 2012 and 2014 Independent Environmental Audits.

4 Audit context

4.1 Holcim environmental systems

Holcim operate a national incident reporting system referred to as INX, which is linked to Holcim's head office in Switzerland. Holcim advised that the INX reporting system covers all aspects of Holcim's operations, including environmental incidences, community feedback and complaints, near exceedance events and any other matters relating to operations across all Holcim sites. Incidences are allocated a rating based on the level of severity, and tracked through the INX system from the date of the incident to the action taken to remedy the incident.

An 'energy dashboard' is circulated internally at a national level which provides a monthly summary of diesel and electricity cost and consumption from Holcim's profit and loss accounts.

Emissions resulting from machinery and truck use are monitored online through a database named 'Visionlink', which provides reporting back to its manufacturer (eg Caterpillar).

U-Manage is a reporting system provided by the blasting contractor, Maxam, and is accessible to site personnel, who undertake and manage blasting at Cooma Road Quarry.

4.2 Site management

The Cooma Road Quarry is an operational quarry which commenced in 1959. The quarry is managed and operated by Holcim staff. Adam Bertram, Cooma Road Quarry Manager, is responsible for on-site environmental management.

The following environmental management plans for the site have been approved by the Secretary of the Department of Planning and Environment (the Secretary):

- Environmental Management Strategy;
- Transport Management Plan;
- Noise Management Plan;
- Blast Management Plan;
- Air Quality Management Plan; and
- Heritage Management Plan.

The draft Water Management Plan and Rehabilitation Management Plan have been submitted to the Secretary but have not been approved.

4.3 Land use

The primary land uses around Cooma Road Quarry include agriculture, environment protection, rural residential and residential uses. The rural residential area of Googong is approximately 0.5 km east of the quarry, and the residential area of Jerrabomberra is approximately 1 km west of the quarry. Other towns in the area include Karabar and Tralee.

Cuumbuen Nature Reserve is approximately 3.5 km to the north-east and Jerrabomberra Mountain Reserve is approximately 2 km to the north-west.

4.4 Environmental

The quarry area is characterised by undulating ridges and plains. Googong Dam is the largest water supply dam in the region and is approximately 4.5 km south-east of the quarry. The quarry is in the Molongolo River catchment which flows through Lake Burley Griffin. The surrounding watercourses include Jerrabomberra Creek to the west and north, Queanbeyan River to the east and Barracks Creek to the north.

The topography of the site has been affected by quarrying since 1959.

The site has a long history of quarrying activities and is largely clear of vegetation. However, there are large areas of remnant vegetation adjacent the quarry to the north and west.

4.5 Social

The site is about 6 km from the Queanbeyan town centre. Queanbeyan is a Statistical Local Area under the Australian Standard Geographical Classification (ASGC) defined area, with a population of 37,991 (ABS 2011). The population was 35,973 in 2006, which is an increase of 2,018 or 1.06% (ABS 2011).

4.6 Quarry operations

The key aspects of the quarry's operations are summarised in Table 4.1.

Table 4.1 Project summary

Component	Approved development
Development life	20 years (ie until 2035)
Quarry production	1.5 Mtpa of hard rock and blended products
Estimated resource	Approximately 16.5 Mt of hard rock
Extraction methods	Conventional drill-and-blast and free-dig methods
Processing	Crushing and screening using the on-site primary and secondary crusher Blending of extracted and imported products using a mobile pug mill
Water supply	Water is used for the processing plant, dust suppression and truck washing Up to 94 ML/year would be required to meet the predicted water demands of the increased production rate Water is sourced from captured surface water inflows and additional water storages upslope of the quarry
Product transport	Road transportation of product – up to 334 daily truck movements (in and out)
Infrastructure	Continued use of existing infrastructure (primary and secondary crushing plant, workshop, fuel storage area, administration buildings, weighbridge, wheel wash, truck parking and associated services) Addition of a mobile pug mill Relocation of existing workshop, truck parking and temporary stockpiles is approved by has not occurred

Table 4.1 Project summary

Component	Approved development
Hours of operation	6 am–10 pm Monday to Friday and 6 am–6 pm Saturday, with the following exceptions: <ul style="list-style-type: none"> • primary crushing and dispatch 6 am–6 pm Monday to Saturday; • blasting 9 am–3 pm Monday to Friday; • limited secondary crushing and stockpiling between 6 pm and 10 pm Monday to Friday; and • return truck movements 6 am–8 pm Monday to Saturday no operations on Sundays or public holidays.
Operational workforce	Operational: 24 transport, 17 full-time and 45 contractors during peak production
Rehabilitation	Progressive rehabilitation of operational areas including revegetation of stepped benches in open cut void and overburden emplacements
Capital investment value	\$3.5 million

Source: DP&E (2013).

A view across the quarry area with the infrastructure area in the background is provided in Photograph 4.1.

The quarry was operating during the audit site inspection on 27 November 2013.



Photograph 4.1 View north-east across the quarry with processing area in the top left (27/11/14)

5 Audit results

The quarry's compliance with the conditions listed in Section 1.2 is detailed in the audit table in Appendix B. The audit table provides:

- the approval or license name;
- the schedule and condition number for each item;
- the requirement being assessed;
- the evidence used assess compliance;
- the compliance status based on the following assessment criteria¹:
 - Compliant: written evidence is available to establish that the requirement of the approval or license has been met;
 - Not verified: formal written evidence is not available to verify that the requirement has been met, however evidence (eg visual observations or interview outcomes) is available that indicates that there is no reason to believe it has not been met;
 - Non-compliant: evidence is available showing that the requirement has not been met or no evidence is available to indicate that it has been met;
 - Administrative non-compliance: a technical non-compliance that would not impact on the environment and is considered to be minor;
 - Not triggered: the requirement has not been triggered based on an pre-condition or timing in the approval or license;
 - Observation: relevant observations that do not strictly relate to a requirement in an approval or license (ie is strictly outside of the audit scope); or
 - Note: a statement of fact where no assessment of compliance is required.

5.1 Audit results

A summary of the conditions where a non-compliance or an administrative non-compliance was recorded is provided in Table 5.1. A summary of recommendations that were not associated with a non-compliance is provided in Table 5.2.

¹ These assessment criteria are varied from the assessment criteria in the audit plan (Appendix A).

Table 5.1 Non-compliance summary

Schedule	Condition	Compliance status	Comments and recommendations
State Significant Development Consent SSD-5109			
Identification of approved limits of extraction			
DC_SSD_5109, Schedule 2, Condition 23	By 31 December 2013, the Applicant shall: (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 Director- General.	Administrative non-compliance	(a) Compliant (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).
Transport, monitoring of product transport			
DC_SSD_5109, Schedule 3, Condition 1	The Applicant shall 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).	Administrative non-compliance	Production data is commercially sensitive. Annual production data needs to be provided in the Annual Review (see Schedule 2, Condition 17) to confirm that the quarry’s production limits are not exceeded. However, publishing monthly production data through the year on the website may advantage competitors. Recommendation 3: Holcim applies to DP&E to remove the requirement to publish monthly production data on the Holcim website from Development Consent, Schedule 3, Condition 1(a). (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. The source of material is the quarry. Recommendation 4: Holcim applies to DP&E to remove “source” from Development Consent, Schedule 3, Condition 1(b).

Table 5.1 Non-compliance summary

Schedule	Condition	Compliance status	Comments and recommendations
Noise, noise criteria			
DC_SSD_5109, Schedule 3, Condition 4	<p>The Applicant shall ensure that the noise generated by the development does not exceed the criteria in Table 1 at any residence on privately-owned land Table 1: Noise criteria dB(A) [see Appendix B for table]</p> <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>	Non-compliant	<p>Appendix 9, Condition 3 requires quarterly attended noise monitoring. This has not been conducted.</p> <p>There are no recorded noise complaints.</p> <p>Recommendation 5: Attended noise monitoring is undertaken quarterly to meet the requirements of Appendix 9, Condition 3.</p>

Table 5.1 Non-compliance summary

Schedule	Condition	Compliance status	Comments and recommendations
Noise, operating conditions			
DC_SSD_5109, Schedule 3, Condition 6	<p>The Applicant shall:</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 Director-General.</p>	Non-compliant	<p>(a) The Noise Management Plan (2014) describes best management practice to minimise the construction, operational and traffic noise. However, it could not be verified that these are always applied. However, there is no reason to believe that they are not.</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 has not been undertaken (see Appendix 9, Condition 3).</p> <p>See Recommendation 27.</p>
Blasting, blasting frequency			
DC_SSD_5109, Schedule 3, Condition 11	<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>	Non-compliant	<p>On occasions, separate blasts in the dacite and granite pits are conducted on the same day.</p> <p>Recommendation 7: Only one blast is conducted on a given day unless there is a misblast.</p> <p>Recommendation 8: Holcim apply to have this condition modified if it is impractical and of little environmental benefit.</p>

Table 5.1 Non-compliance summary

Schedule	Condition	Compliance status	Comments and recommendations
Air quality, operating conditions			
DC_SSD_5109, Schedule 3, Condition 15	<p>The Applicant shall:</p> <ul style="list-style-type: none"> (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 Director-General. 	Non-compliant	<p>(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.</p> <p>Recommendation 12: The deposited dust levels investigation (see Recommendation 9 for Schedule 3, Condition 14) considers whether additional dust reduction measures are required.</p> <p>It is noted that Holcim (Australia) has company-wide procedures to guide best management practice at all operations.</p> <p>(b) Monitoring data appears to generally reviewed monthly. However, this does not appear to have triggered an investigation into deposited dust exceeding the guideline of 4 g/m²/month at DG1 (noting this is not a private residence and therefore the levels do not constitute a non-compliance).</p> <p>Recommendation 13: It is investigated why elevated dust deposition levels at DG1 were not recorded in INX.</p> <p>Recommendation 14: All monitoring results that are above a criterion are recorded in INX and an investigation instigated.</p> <p>Recommendation 15: If it is determined that 4 g/m²/month is not an appropriate trigger for further investigation at DG1, a new trigger value is determined.</p> <p>(c) The site inspection was not conducted during adverse weather conditions and compliance with PM₁₀ and TSP criteria cannot be evaluated as monitoring has not been undertaken. It is not possible to comment on compliance.</p> <p>See recommendation regarding DC_SSD_5109, Schedule 3, Condition 14.</p>

Table 5.1 Non-compliance summary

Schedule	Condition	Compliance status	Comments and recommendations
Meteorological monitoring			
DC_SSD_5109, Schedule 3, Condition 17	<p>For the life of the development, the Applicant shall ensure that there is a suitable meteorological monitoring station operating in the vicinity of the site that:</p> <ul style="list-style-type: none"> • 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. 	Non-compliant	<p>The monitoring program in the Air Quality Management Plan (finalised in March 2014) includes installation of a meteorological station. This has not occurred, although it is understood that planning is underway for its installation.</p> <p>Recommendation 16: A meteorological station is installed as soon as possible.</p>
Visual			
DC_SSD_5109, Schedule 3, Condition 27	<p>Within 12 months of the date of this consent, the Applicant shall establish a vegetation screen to minimise visibility of site infrastructure from outside the development area. Following establishment, the Applicant shall maintain the vegetation screen, to the satisfaction of the Director-General.</p>	Administrative non-compliance	<p>A vegetation screen should have been established by 27 September 2014. This work is scheduled for early 2015.</p> <p>Recommendation 19: The vegetation screen should be established as soon as possible.</p>
Waste			
DC_SSD_5109, Schedule 3, Condition 31	<p>The Applicant shall:</p> <p>(a) minimise the waste generated by the development; and</p> <p>(b) ensure that the waste generated by the development is appropriately stored, handled, and disposed of, to the satisfaction of the Director-General.</p>	Non-compliant	<p>(a) Holcim Environmental Policy sighted and no reason to believe that it is no applied.</p> <p>(b) Historic materials are stored in a cleared area south of the pits (Photograph 5.1). The base of this area is gravel and there are no runoff controls. Materials in this areas included a lead-acid battery (Photograph 5.2), drums (some of which were not empty - Photograph 5.3) and large decommissioned fuel tanks.</p> <p>Given the recent approval, it could be argued that these were not generated by the development. However, the intent of this condition has been taken to include all waste stored on site.</p> <p>Recommendation 20: The historic wastes stored on site that may discharge hazardous materials to the environment are moved to an area with appropriate runoff controls or are disposed appropriately.</p>

Table 5.1 Non-compliance summary

Schedule	Condition	Compliance status	Comments and recommendations
Reporting, regular reporting			
DC_SSD_5109, Schedule 5, Condition 8	The Applicant shall 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.	Non-compliant	Fortnightly monitoring results for Holcim sites are placed on the website (http://www.holcim.com.au/sustainability/environment/pollution-monitoring-data.html) within about a month. However, the 2013 Annual Review is not on the website. See recommendation regarding DC_SSD_5109, Schedule 5, Condition 11.
Access to information			
DC_SSD_5109, Schedule 5, Condition 11	<p>The Applicant shall:</p> <p>(a) make the following information publicly available on its website:</p> <ul style="list-style-type: none"> • the EIS; • 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, updated on a quarterly basis; • minutes of CCC meetings; • copies of any annual reviews (over the last 5 years); • any independent environmental audit, and the Applicant’s response to the recommendations in any audit; and • any other matter required by the Director-General; and <p>(b) keep this information up-to-date, to the satisfaction of the Director-General.</p>	Non-compliant	<p>With the exception of monitoring results (see DC_SSD_5109, Schedule 5, Condition 8), the Cooma Road Quarry documents are not on the Holcim website.</p> <p>Recommendation 21: The documents and information listed in DC_SSD_5109, Schedule 5, Condition 11 are provided on the Holcim website.</p> <p>The Holcim website provides equivalent documents for Holcim’s Lynwood Quarry. However, navigating the website to find the Lynwood Quarry documents is not intuitive. In preparing the website, consideration should be given ensuring that the Cooma Road documents can be easily found.</p>

Table 5.1 Non-compliance summary

Schedule	Condition	Compliance status	Comments and recommendations
Statement of commitments			
Aboriginal heritage			
DC_SSD_5109, Appendix 8, Commitment 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.	Administrative non-compliance	Site induction forms used for auditors (27/11/14) did not mention archaeological sites. Recommendation 22: The location of archaeological sites are included in the site induction form and a map is prepared for use in inductions that shows all sensitive environmental features that are to be avoided within the quarry site.
Historic heritage			
DC_SSD_5109, Appendix 8, Commitment 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.	Administrative non-compliance	Condition of the site and photographs not contained in 2013 Annual Review. Mitigation measures against potential impacts are listed in Heritage Management Plan. Recommendation 23: Morley's Lime Kiln inspections are reported in the Annual Review.
DC_SSD_5109, Appendix 8, Commitment 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.	Non-compliant	'Baseline' photographic/archival recordings were not available. Updating the recording has not been triggered. Recommendation 24: Photographic/archival recording of the Moses Morley's Lime Kiln site is undertaken as soon as possible.
Community Engagement			
DC_SSD_5109, Appendix 8, Commitment 21	Holcim Australia will continue to operate a Community Line for the Cooma Road Quarry for the life of the Development.	Administrative non-compliance	A telephone number for Cooma Road Quarry is listed in the White Pages although there is no indication that this is a "community line" or a "complaints line". There is no reference on the Holcim website to a Community Line for Cooma Road. Recommendation 26: The Holcim website is updated so that the appropriate telephone number for registering complaints is provided.

Table 5.1 Non-compliance summary

Schedule	Condition	Compliance status	Comments and recommendations
Noise Compliance Assessment			
Compliance monitoring			
DC_SSD_5109, Appendix 9, Condition 3	<p>Unless directed otherwise by the Director-General, quarterly attended monitoring is to be used to evaluate compliance with the relevant conditions of consent.</p> <p>Note: The Director-General may direct that the frequency of attended monitoring increase or decrease at any time during the life of the development.</p>	Non-compliant	<p>No attended noise monitoring was undertaken in the audit period.</p> <p>Recommendation 27: Attended noise monitoring is undertaken quarterly to meet the requirements of Appendix 9, Condition 3.</p>
Environment Protection Licence 1453			
Activities must be carried out in a competent manner			
EPL_1453, Condition O1.1	<p>Licensed activities must be carried out in a competent manner. This includes:</p> <p>a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and</p> <p>b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.</p>	Non-compliant	<p>a) Compliant.</p> <p>The workshop area is nearing the end of its life and will be relocated to the new infrastructure area when commissioned. There appear to be environmental controls in place (such as a hardstand and drain leading to an oil-water separator trap). However, the drain (Photograph 5.4) appears to be close to blocking.</p> <p>Recommendation 29: The drains in the workshop area are inspected and cleaned if required.</p> <p>b) Legacy items (batteries and disused hydrocarbons tank) are not stored and disposed appropriately.</p> <p>Recommendation 30: Areas for storing legacy items are cleaned-up to remove any items that may discharge hazardous materials to the environment.</p> <p>See recommendation regarding DC_SSD_5109, Schedule 3, Condition 31.</p>

Table 5.1 Non-compliance summary

Schedule	Condition	Compliance status	Comments and recommendations
Recording of pollution complaints			
EPL_1453, Condition 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	Administrative non-compliance	a) Date recorded. Time not recorded. b) INX form does not appear to have a location to record method by which complaint was made c) Personal details not recorded d) Compliant e) Compliant f) Compliant Recommendation 32: Review complaints recording in INX to ensure that the method by which complaint was made and details of person making the complaint are recorded.
Telephone complaints line			
EPL_1453, Condition 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.	Administrative non-compliance	A telephone number for Cooma Road Quarry is listed in the White Pages although there is no indication that this is a "Community Line" or a "complaints line". There is no reference on the Holcim website to a Community Line for Cooma Road. See Recommendation 26.
EPL_1453, Condition 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.	Administrative non-compliance	A telephone number for Cooma Road Quarry is listed in the White Pages although there is no indication that this is a "Community Line" or a "complaints line". There is no reference on the Holcim website to a Community Line for Cooma Road. See Recommendation 26.

Table 5.1 Non-compliance summary

Schedule	Condition	Compliance status	Comments and recommendations
Water License No. 40SL27690 (including Water Access Licenses as converted under Water Management Act 2000)			
Conditions imposed pursuant to a statutory management plan			
Condition 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>	Non-compliant	<p>No logbook entries are available for 2013 or 2014. The site was non-compliant for this period.</p> <p>Prior to January 2015, the installed water meter for WAL 33412 was faulty, probably due to ice damaging the mechanism. A new meter has been installed and data from January 2015 are available.</p> <p>There is no logbook for WAL 29091.</p> <p>Recommendation 33: A water meter is installed for WAL 29091, or a monthly note is included in the log-book indicating that water has not been accessed under this licence.</p>
Condition 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>	Administrative non-compliance	<p>No logbook entries are available for 2013 or 2014. The site was non-compliant for this period for WAL 33412 and WAL 29091.</p> <p>Recommendation 34: A logbook is established and maintained for WAL 29091.</p>
Condition 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>	Non-compliant	<p>No logbook entries are available for 2013 or 2014. The site was non-compliant for this period.</p> <p>See Recommendation 34.</p>

Table 5.1 Non-compliance summary

Schedule	Condition	Compliance status	Comments and recommendations
Condition 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> <ul 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>	Administrative non-compliance	<p>Date, time and licence or approval number is not recorded in the logbook.</p> <p>Recommendation 35: Logbooks for WAL 33412 and WAL 29091 include all required information, including date, time and licence or approval number.</p>
Condition 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> <ul style="list-style-type: none"> a. email: information@water.nsw.gov.au, or b. telephone: 1800 353 104. any notification by telephone must also be confirmed in writing within seven (7) business days of the telephone call. 	Administrative non-compliance	<p>Recommendation 36: The water approval non-compliances described in this audit should be reported to NOW.</p>

Table 5.1 Non-compliance summary

Schedule	Condition	Compliance status	Comments and recommendations
Condition 8	<p>The following information must be recorded in the logbook for each period of time that water is taken:</p> <ul style="list-style-type: none"> 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. 	Non-compliant	See water licence conditions 2 and 4.
Condition 10	<p>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.</p>	Non-compliant	See water licence conditions 2 and 4.

Table 5.2 Additional recommendations

Schedule	Condition	Compliance status	Comments and recommendations
State Significant Development Consent SSD-5109			
Limits on consent, transportation limits			
DC_SSD_5109, Schedule 2, Condition 10	Prior to the commissioning of the Ellerton Drive Extension, the Applicant shall not exceed 50 heavy vehicle movements a day on the section of Cooma Street north of Edwin Land Parkway.	Not verified	<p>Rudds (2014) Acoustic Report does not provide specific information on vehicle movements along this section of road.</p> <p>There are no transport related complaints recorded in INX.</p> <p>There is no reason to believe that the truck movements are not in accordance with the requirement. However, a mechanism is required to allow future verification.</p> <p>Recommendation 1: A mechanism is instigated to allow verification that heavy vehicle movements on specific roads do not exceed limits (eg independent survey/verification of truck use of local roads prior to the next audit).</p>
Blasting, blasting hours			
DC_SSD_5109, Schedule 3, Condition 10	The Applicant shall: (a) not carry out blasting on site on weekends or public holidays; and (b) only carry out blasting on site between 9 am and 3 pm Monday to Friday.	Not verified	<p>The blasting contractor, Maxam, provides detailed blasting reports for each blast.</p> <p>(a) Compliance cannot be verified from summary monitoring data. It is understood that the 'Sampling Date' in the monitoring summaries is when the information is entered as opposed to the date of the blast.</p> <p>(b) Compliance cannot be verified from summary monitoring data which do not provide blast times.</p> <p>There are no complaints regarding blasting outside of the specified hours and there is no reason to believe that this condition was not met.</p> <p>Recommendation 6: Actual blast dates and times are provided with published blast monitoring records.</p>

Table 5.2 Additional recommendations

Schedule	Condition	Compliance status	Comments and recommendations
Air quality, air quality criteria			
DC_SSD_5109, Schedule 3, Condition 14	<p>The Applicant shall 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.</p> <p>Table 4: Long-Term Impact Assessment Criteria for Particulate Matter</p> <p>Table 5: Short Term Impact Assessment Criteria for Particulate Matter</p> <p>Table 6: Long-Term Impact Assessment Criteria for Deposited Dust</p>	Not verified	<p>Dust deposition exceeded the cumulative criterion of 4 g/m²/month for seven out of ten months (January-October) in 2014 at DG1 (close to the site entrance). A maximum deposition of 8.5 g/m²/month was recorded. However, this is monitor is not at a residence on private land and therefore is not a non-compliance.</p> <p>However, this elevated dust deposition level was recorded in INX.</p> <p>One dust deposition >4 g/m²/year was recorded in 2013 at this site. This was explained as sample contamination in the 2013 Annual Review.</p> <p>Recommendation 9: That the ongoing dust deposition levels at DG1 are investigated and appropriate actions implemented.</p> <p>Recommendation 10: The Annual Review report makes it clear at which sites the dust deposition criteria apply.</p> <p>The monitoring program in the Air Quality Management Plan (finalised in March 2014) includes installation of a high volume air sampler (HVAS) to monitor PM₁₀ and TSP concentrations. This HVAS has not been installed. It is therefore not possible to determine if PM₁₀ and TSP have been met.</p> <p>Recommendation 11: A HVAS is installed as soon as possible.</p>
Soil and water, water management plan			
DC_SSD_5109, Schedule 3, Condition 20	<p>The Applicant shall prepare and implement a Water Management Plan for the development to the satisfaction of the Director-General. This plan must be prepared in consultation with the EPA and NOW by suitably qualified and experienced person/s whose appointment has been approved by the Director-General, and be submitted to the Director-General for approval within 6 months of the date of this consent. This plan must include: [see Appendix B].</p>	Compliant	<p>The Water Management Plan has been submitted but approval from the Secretary/Director-General has not been received.</p> <p>Recommendation 17: DP&E is contacted regarding finalisation of the Water Management Plan.</p>

Table 5.2 Additional recommendations

Schedule	Condition	Compliance status	Comments and recommendations
Rehabilitation, rehabilitation management plan			
DC_SSD_5109, Schedule 3, Condition 24	The Applicant shall prepare and implement a Rehabilitation Management Plan for the development to the satisfaction of the Director-General. This plan must: (a) be prepared in consultation with DRE, DPI, NOW and Council.	Compliant	The Rehabilitation Management Plan has been submitted to DPI, NOW and Council but not yet approved. Recommendation 18: While DRE and DPI are both part of Department of Trade and Industry, it is recommended that Holcim confirm that DRE has received the draft Rehabilitation Management Plan.
Environment Protection Licence 1453			
Concentration limits			
EPL_1453, Condition L2.1	For each monitoring/discharge point or utilisation area specified in the table\ 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.	Complaint	No pollution incident recorded during audit period. Recommendation 28: Water monitoring results for SIP should provide an explicate comment that no discharge is occurring when this is the case.
Monitoring records			
EPL_1453, Condition 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.	Compliant	There were no water discharges in the audit period. a) Monitoring summary records provide a 'Sampling Date'. This does not appear to be the actual date that blasting occurred. b) Times are not provided on the monitoring summary records c) Compliant d) Names are not provided on the monitoring summary records Monitoring data interpretation is compromised without a) and b). Recommendation 31: Published monitoring records provide date and time of sampling and the name of the person who collected the sample.



Photograph 5.1 Historic material storage area south of the pits (27/11/14)



Photograph 5.2 Storage area south of the pits containing a lead-acid battery and large decommissioned fuel tanks (27/11/14)



Photograph 5.3 Storage area south of the pits containing drums (some of which were not empty) (27/11/14)



Photograph 5.4 Vehicle maintenance area – drain to an oil-water separator (27/11/14)

5.2 Interviews

Holcim staff that have environmental management responsibilities at the quarry were interviewed as part of the audit:

- Jan Kozak, ACT District Manager;
- Adam Bertram, Cooma Road Quarry Manager; and
- Daniel Lidbetter, Holcim NSW Planning and Environment Coordinator.

The interviews included discussion of the staff member's:

- role;
- environmental responsibilities;
- environmental reporting responsibilities; and
- understanding of environmental issues at the site.

It was apparent that each of the staff members had a clear understanding of their environmental responsibilities, environmental issues faced by the site and the management of these issues. The understanding of day-to-day environmental management of the site, including community liaison, was strong. However, as indicated by the audit results, there is further work required by the responsible staff to fully understand and comply with all of the development consent and licence conditions.

5.3 Agency consultation

The outcomes of agency consultation (see Section 1.3) are summarised in Table 5.3.

Table 5.3 Summary of agency consultation

Agency and contact	Method/ correspondence date	Outcome
Queanbeyan City Council M. Thompson	Letter via email, 05/11/2014	No response received
Department of Planning and Environment K. Winwood	Letter via email, 05/11/2014	No response received
Environment Protection Authority J. Thompson	Letter via email, 05/11/2014	Compliant
Office of Environment - Heritage A. Treweek	Letter via email, 05/11/2014	No response received
Office of Environment & - Flora and Fauna D. Oliver	Letter via email, 05/11/2014	No further comment
Roads and Maritime Services G. Roche	Letter via email, 05/11/2014	No response received
NSW Office of Water T. Baker	Letter via email, 11/11/2014	NOW commented that Water License No. 40SL27690 has been converted to the Water Management Act 2000 which has resulted in it changing to Work Approval 40WA413082 with linked Water Access Licence 33412 (98 units). The site also has a groundwater licence for a bore which has Work Approval 40WA411965 with WAL29091 (28 units).
Division of Resources and Energy C. Gilmore	Letter via email, 05/11/2014	Compliant
Division of Resources and Energy W. Jones	Letter via email, 05/11/2014	No further comment

6 Audit summary

An independent environmental audit of the Cooma Quarry was undertaken to meet Schedule 5, Condition 9 of State Significant Development Consent SSD-5109 issued on the 27 September 2013. Audit evidence was collected during a site inspection on 27 November 2014 and documents provided by Holcim after the inspection. The audit period was taken to be 27 September 2013 to 27 November 2014.

The quarry site is generally well managed with appropriate environmental controls in place. It is acoustically and visually shielded from residential areas and the quarry appears to have a good relationship with surrounding communities. Holcim have a range of recording and reporting systems in place that generally a range of internal checks regarding day-to-day operation of the quarry. These factors are reflected in the quarry receiving just one complaint in the audit period. This was regarding blasting and a subsequent investigation determined that relevant blasting criteria were not exceeded.

However, SSD-5109 (including the attached commitments) requires a range of wide range of measures to be implemented and further work is required to ensure that all measures are in place and that there are mechanisms to ensure that monitoring and reporting is completed and that records are kept to allow verification of compliance with all conditions.

Some historic wastes need to be stored appropriately or be disposed to ensure that all of the conditions of the EPL are met.

Water licence requirements were not well understood at the site and a number of activities. In particular a log book (with all required details) for each water access licence needs to be established and maintained.

References

Australian Bureau of Statistics (ABS) 2011, *Census of Population and Housing*.

Department of Planning and Environment (DP&E) 2013, *State Significant Development Assessment, Cooma Road Quarry Continued Operations Project (SSD_5109) Director-General's Environmental Assessment Report, Section 89E of the Environmental Planning and Assessment Act 1979*. September.

Rudds Consulting Engineers Pty Ltd (Rudds) 2014, *Road Traffic Noise Assessment Report, Cooma Road Quarry*, Report Number: R146469AC RO 14-07-22. Report prepared for Holcim (Australia) Pty Ltd. July.

Appendix A

Audit plan

Cooma Road Quarry

Independent Environmental Audit | Audit Plan

Prepared for Holcim Australia Pty Ltd | 3 November 2014

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Cooma Road Quarry

Final

Report J14135RP1 | Prepared for Holcim Australia Pty Ltd | 3 November 2014

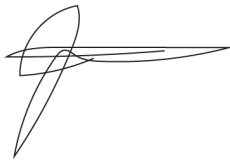
Prepared by **Mina Aynsley**

Approved by **Dr Philip Towler**

Position Environmental Planner

Position Associate Director

Signature



Signature



Date 31 October 2014

Date 3 November 2014

This report has been prepared in accordance with the brief provided by the client and has relied upon the information collected at or under the times and conditions specified in the report. All findings, conclusions or recommendations contained in the report are based on the aforementioned circumstances. The report is for the use of the client and no responsibility will be taken for its use by other parties. The client may, at its discretion, use the report to inform regulators and the public.

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Document Control

Version	Date	Prepared by	Reviewed by
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1 Introduction

EMGA Mitchell McLennan Pty Limited (EMM) has been commissioned to undertake an independent environmental audit of the Holcim Australia Pty Limited (Holcim) Cooma Road Quarry, Queanbeyan, New South Wales (NSW).

This audit plan has been prepared in accordance with the Australian/New Zealand Guidelines for Quality and/or Environmental Systems Auditing (AS/NZS 19011:2003).

1.1 Audit objectives

This independent environmental audit is required under Condition 9 of Schedule 5 of State Significant Development Consent SSD-5109 issued by the Minister for Planning on the 27 September 2013 for the proposed *Cooma Road Quarry Continued Operations Project*. We understand that there have been no modifications to this Development Consent.

The objectives of the audit are to meet the requirements of Condition 9:

Within a year of the date of this consent, and every 3 years thereafter, unless the Director-General directs otherwise, the Applicant shall commission and pay the full cost of an Independent Environmental Audit of the development. This audit must:

- (a) be conducted by suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Director-General;*
- (b) include consultation with the relevant agencies;*
- (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);*
- (d) review the adequacy of any approved strategy, plan or program required under these approvals; and*
- (e) recommend measures or actions to improve the environmental performance of the development, and/or any assessment, plan or program required under these approvals.*

Note: This audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Director-General.

1.2 Audit criteria and scope

Audit criteria are the policies, procedures or requirements against which an action will be compared. In this case, the audit criteria are the conditions in:

- *Development Consent for the Cooma Road Quarry Continued Operations (28 September 2013) and the Environmental Impact Statement (EIS) for the Cooma Road Quarry Continued Operations Project, October 2012 (Umwelt 2012);*

- Environment Protection Licence (EPL) 1453 – Cooma Road Quarry;
- Water License No. 40SL27690 – Cooma Road Quarry; and
- environmental management plans.

The Cooma Road Quarry consent requires that the audit “include consultation with the relevant agencies”. A letter will be sent to the following agencies requesting their comment on the compliance of the quarry with approval and licence conditions:

- NSW Office for Water (NOW);
- Office for Environment and Heritage (OEH);
- Environment Protection Agency (EPA);
- Roads and Maritime Services (RMS);
- Queanbeyan City Council (Council); and
- Department of Planning and Environment (DP&E).

The outcomes of the consultation will be summarised in the audit report.

The audit will cover activities undertaken up to the date of the site inspection.

2 Audit activities

The audit activities are described below. They will be confirmed at the audit opening meeting.

2.1 Opening meeting

An audit opening meeting will be held at Holcim's Chatswood office.

Date: 29 October 2014

Time: 11:00

Attendees:

- Rachael Heath, Holcim, Planning and Development Manager
- Daniel Lidbetter, Holcim, NSW Planning and Environment Coordinator
- Philip Towler, EMM, Lead Auditor
- Mina Aynsley, EMM, Supporting Auditor.

Agenda:

- Introductions (all)
- Outline audit plan (PT)
- Confirm audit scope (PT)
- Project organisation chart (Holcim)
- Description of project status (Holcim)
- Outline of environmental issues (Holcim): Holcim's views on, and responses to, environmental issues at the site. These should include issues raised by neighbours, agencies or other stakeholders
- Status of actions on any previous audits (or similar) recommendations (Holcim)
- Informing DP&E (PT/Holcim)
- Plan site inspection (including areas to be visited) and interviews (PT)
- Audit timing:
 - Interviews (Chatswood) – if required
 - Site inspection and interviews
 - Closing meeting

- Draft audit report
- Final audit report.

2.2 Audit interviews

Audit interviews will be scheduled at Holcim's Chatswood office or at the Cooma Road Quarry on the day of the site inspection.

Interviews with the following personnel are envisaged:

- project director;
- senior project manager;
- community and environment manager; and
- key contractors.

Interviews will be between 15 and 30 minutes and will include discussion of the interviewee's understanding of their responsibilities, general environmental management of the site and specific environmental responsibilities or issues.

2.3 Data collection and verification

The publically reports available on the DP&E Major Projects Register (http://majorprojects.planning.nsw.gov.au/index.pl?action=view_job&job_id=5109) will be used. Additional reports will be requested from Holcim during the audit.

These reports will be reviewed to determine whether they address specific conditions, eg requirements for management plans. Additional reports will be requested or required.

2.4 Site inspection

A site inspection will be undertaken by the lead auditor and supporting auditor in November 2014. The timing of the inspection will be agreed at the opening meeting.

It is envisaged that the site inspection will take approximately two hours and encompass all project areas. Interviews with site personnel will be undertaken on the same day.

The lead auditor and supporting auditor will be escorted around the site by Daniel Lidbetter.

2.5 Closing meeting

A closing meeting will be held with Holcim personnel in Holcim's Chatswood office. This will provide initial feedback and an opportunity to discuss opportunities to address any identified issues.

2.6 Reporting

The audit report will contain the following sections:

1. Introduction:

- audit objectives;
 - audit criteria and scope;
 - audit method;
 - audit team roles and responsibilities;
 - acknowledgments;
2. Audit context:
- planning;
 - environmental;
 - social;
 - project status;
3. compliance audit which will be in tabular format and provide:
- condition numbers in SSD-5109;
 - the condition being assessed;
 - the evidence used to verify the compliance assessment;
 - the compliance results, that is:
 - Compliance (C): adequacy and appropriateness of implementation against current Departmental Approval or Conditions, or compliance with commitments made;
 - Observation (O): a finding which is not likely to significantly affect the operation, which do not strictly relate to the scope of the audit of compliance and which could lead to performance improvement;

Non Compliance: an inadequacy in the design and/or implementation against current Departmental approvals, licence conditions or management commitments. There are two subcategories of non-compliance:

Category 1 (NC1) - a total absence of planning or implementation of a required operations element which presents an immediate risk or an isolated lapse in control in the implementation of an operations element which will lead to a significant risk; or

Category 2 (NC2) - an isolated lapse or absence of control in the implementation of an operations element which may not be of significant risk; and

 - Not applicable (NA).
 - Comments, including any observations;
 - Outcomes of consultation with relevant agencies;

4. Additional observations; and
5. Recommendations.

3 Audit team roles and responsibilities

3.1 Holcim

Daniel Lidbetter is responsible for assisting the auditors. Daniel is Holcim's NSW Planning & Environment Coordinator. In this role, he is responsible for providing assistance towards the implementation of management plans and compliance with the conditions of consent.

Adam Bertram is responsible for the management of the quarry. Adam is Holcim's quarry manager at the Cooma Road site. In this role, he is responsible for the implementation of management plans and compliance with the conditions of consent.

3.2 EMM

The lead auditor and audit report author will be Dr Philip Towler. Philip has 18 years experience in managing environmental programs, including expertise in project management, conducting environmental audits and due diligence reviews, the preparation of environmental and social impact assessments and environmental management plans for mining projects around Australia and internationally. Philip has been approved as a compliance auditor by the NSW Department of Planning and Environment.

Mina Aynsley will provide support to the lead auditor.

3.3 Independence of the EMM audit team

Philip and Mina are independent of Holcim. The accepted test of this is that the person has not undertaken work for the organisation in question for the prior five years and there is no other contractual association. This is the case as the proposed audit team members have not worked for Holcim, other than on the Lynwood Quarry 2012 and 2014 Independent Environmental Audits.

We understand that the Department of Planning & Environment (DP&E) has approved of the appointment of the audit team.

References

Umwelt (Australia) Pty Ltd 2012, *Environmental Impact Statement Cooma Road Quarry Continued Operations Project*. Report prepared for Holcim (Australia) Pty Ltd.

Appendix B

Audit table

Schedule	Conditions (all rows labelled)	Condition	Condition Number	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
2	OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT	OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT	1	In addition to meeting the specific performance criteria established under this consent, the Applicant shall 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.	-	Note	-
2	TERMS OF CONSENT	TERMS OF CONSENT	2	The Applicant shall carry out the development generally in accordance with the: (a) EIS; (b) statement of commitments; and (c) conditions of this consent. Notes: • The general layout of the development is shown in Appendix 2 and Appendix 3. • The statement of commitments is provided in Appendix 8	Site inspection (27/11/14)	Not verified	(a) Based on the site inspection and interviews, there is no reason to believe that the development is not in generally in accordance with the EIS. (b) Compliance with the statement of commitments is assessed separately. (c) Compliance with conditions of the consent are addressed individually. Appendix 2 and Appendix 3: there is no reason to believe that the development is not in generally in accordance with the figures in these appendices. The pad for the new infrastructure area has been constructed but construction has not started.
2	TERMS OF CONSENT		3	If there is any inconsistency between the above documents, the most recent document shall prevail to the extent of the inconsistency. However, the conditions of this consent shall prevail to the extent of any inconsistency.	-	Note	-
2	TERMS OF CONSENT		4	The Applicant shall comply with any reasonable requirement/s of the Director-General arising from the Department's assessment of: (a) any reports, strategies, plans, programs, reviews, audits or correspondence that are submitted in accordance with this consent; and (b) the implementation of any actions or measures contained in these documents.	-	Note	-
2	LIMITS ON CONSENT Quarrying Operations	LIMITS ON CONSENT Quarrying Operations	5	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 Director-General. 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.	-	Not triggered	-
2	LIMITS ON CONSENT Production Limits	LIMITS ON CONSENT Production Limits	6	The Applicant shall not produce more than 1.5 million tonnes of saleable extractive materials at the site in a calendar year.	Annual Review 2013 Email from Jack Bergessen, Holcim Financial & Planning Manager	Compliant	The total quarry production in 2013 was 966,000 tonnes. 2014 production to date 873,729 tonnes.
2	LIMITS ON CONSENT Production Limits		7	The Applicant shall not carry out quarrying operations below 635 m AHD.	Site inspection (27/11/14)	Not verified	Quarry plan and site observations indicate that operations are above 635 m AHD. However, an independent survey of levels not conducted during site inspection. There is no reason to believe that this condition has not been met.
2	LIMITS ON CONSENT Transportation Limits	LIMITS ON CONSENT Transportation Limits	8	Prior to the commissioning of Stage 1 of the Old Cooma Road re-alignment, the Applicant shall 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	LIMITS ON CONSENT Transportation Limits		9	Following the commissioning of Stage 1 of the Old Cooma Road re-alignment, the Applicant shall not transport more than 1.5 million tonnes of quarry products 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	LIMITS ON CONSENT Transportation Limits		10	Prior to the commissioning of the Ellerton Drive Extension, the Applicant shall not exceed 50 heavy vehicle movements a day on the section of Cooma Street north of Edwin Land Parkway.	Interview with A.Bertram (27/11/14) Rudds (2014) Acoustic Report INX incident register (28/9/13-27/11/14)	Not verified	Rudds (2014) Acoustic Report does not provide specific information on vehicle movements along this section of road. There are no transport related complaints recorded in INX. There is no reason to believe that the truck movements are not in accordance with the requirement. However, a mechanism is required to allow future verification. Recommendation 1: A mechanism is instigated to allow verification that heavy vehicle movements on specific roads do not exceed limits (eg independent survey/verification of truck use of local roads prior to the next audit).
2	LIMITS ON CONSENT Transportation Limits		11	Following the commissioning of the Ellerton Drive Extension, the Applicant shall 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.	-	Not triggered	Ellerton Drive Extension not commissioned.
2	LIMITS ON CONSENT Transportation Limits		12	The Applicant shall 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.	Interview with A.Bertram (27/11/14)	Not verified	See Schedule 2, Condition 10.
2	LIMITS ON CONSENT Transportation Limits		13	For the life of the development, the Applicant shall not dispatch: (a) more than 30 laden trucks per hour; and (b) more than an average of 24 trucks per hour on any day.	Interview with A.Bertram (27/11/14) Rudds (2014) Acoustic Report INX incident register (28/9/13-27/11/14)	Not verified	See Schedule 2, Condition 10.
2	LIMITS ON CONSENT Importation of Material	LIMITS ON CONSENT Importation of Material	14	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 routine deliveries to the site.	Interview with A.Bertram (27/11/14)	Not verified	2,000 tonnes of waste concrete from Holcim concrete plant received (ie non-contaminated) during audit period. There is no reason to believe that the limit on importation of material has been exceeded.

Schedule	Conditions (all rows labelled)	Condition	Condition Number	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
2	SURRENDER OF EXISTING DEVELOPMENT CONSENT	SURRENDER OF EXISTING DEVELOPMENT CONSENT	15	By the end of June 2014 or as otherwise agreed by the Director-General, the Applicant shall 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	-
2	SURRENDER OF EXISTING DEVELOPMENT CONSENT		16	Prior to the surrender of the existing development consent, the conditions of this consent (including any notes) shall 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	-
2	PRODUCTION DATA	PRODUCTION DATA	17	The Applicant shall: (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).	(a) Letter from DRE advising compliance (12/11/14) (b) 2013 Annual Review	Compliant	-
2	STRUCTURAL ADEQUACY	STRUCTURAL ADEQUACY	18	The Applicant shall 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.	Interview with A.Bertram (27/11/14)	Not triggered	No structures constructed in audit period.
2	DEMOLITION	DEMOLITION	19	The Applicant shall 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.	2013 Annual Review	Not triggered	No structures demolished to March 2014 (Annual Review).
2	PROTECTION OF PUBLIC INFRASTRUCTURE	PROTECTION OF PUBLIC INFRASTRUCTURE	20	The Applicant shall: (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 (28/9/13-27/11/14)	Not triggered	-
2	OPERATION OF PLANT AND EQUIPMENT	OPERATION OF PLANT AND EQUIPMENT	21	The Applicant shall 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 registers	Compliant	-
2	STAGED SUBMISSION OF ANY STRATEGY, PLAN OR PROGRAM	STAGED SUBMISSION OF ANY STRATEGY, PLAN OR PROGRAM	22	With the approval of the Director-General, the Applicant may submit any strategy, plan or program required by this consent on a progressive basis. Notes: • 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; and • 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.	-	Note	-
2	IDENTIFICATION OF APPROVED LIMITS OF EXTRACTION	IDENTIFICATION OF APPROVED LIMITS OF EXTRACTION	23	By 31 December 2013, the Applicant shall: (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 Director- General.	(a) boundaries marked by pegs during site inspection (27/11/14) (b) requested evidence	Administrative non-compliance	(a) Compliant (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	IDENTIFICATION OF APPROVED LIMITS OF EXTRACTION		24	While quarrying operations are being carried out, the Applicant shall 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 (27/11/14)	Compliant	Clearly visible marker posts installed.
2	DEVELOPER CONTRIBUTIONS Road Upgrade & Maintenance	DEVELOPER CONTRIBUTIONS Road Upgrade & Maintenance	25	The Applicant shall 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.	-	Not triggered	Production less than 1 mtpa - see Schedule 2, Condition 6.
2	DEVELOPER CONTRIBUTIONS Road Upgrade & Maintenance		26	The Applicant shall 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 Director-General for resolution.	Holcim financial record (data from Leah Dark 23/10/14) showing payment for Q1 2014 based on weighbridge records	Compliant	-

Schedule	Conditions (all rows labelled)	Condition	Condition Number	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations																											
3	TRANSPORT Monitoring of Product Transport	TRANSPORT Monitoring of Product Transport	1	The Applicant shall 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).	http://www.holcim.com.au (last checked 11/12/14)	Administrative non-compliance	(a) Production data is commercially sensitive. Annual production data needs to be provided in the Annual Review (see Schedule 2, Condition 17) to confirm that the quarry's production limits are not exceeded. However, publishing monthly production data through the year on the website may advantage competitors. Recommendation 3: Holcim applies to DP&E to remove the requirement to publish monthly data on the Holcim website from Development Consent, Schedule 3, Condition 1(a). (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. The source of material is the quarry. Recommendation 4: Holcim applies to DP&E to remove "source" from Development Consent, Schedule 3, Condition 1(b).																											
3	TRANSPORT Transport Management Plan	TRANSPORT Transport Management Plan	2	The Applicant shall prepare and implement a Transport Management Plan for the development to the satisfaction of the Director-General. This plan must: (a) be prepared in consultation with the RMS and Council, and submitted to the Director-General 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.	(a) Letter from DP&E (08/10/14) (b) Contained within TMP (c) Contained within TMP (d) Contained within TMP (e) Contained within TMP	Compliant	-																											
3	TRANSPORT Independent Traffic Audit	TRANSPORT Independent Traffic Audit	3	If the Ellerton Drive Extension has not been commissioned within 5 years from the date of this consent, unless the Director-General directs otherwise, the Applicant shall 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 Director-General. Within 2 months of receiving the audit report, or as otherwise agreed by the Director-General, the Applicant shall submit a copy of the report to the Director-General, 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 Director-General, to the satisfaction of the Director-General.	-	Not triggered	Will be triggered on 27/9/18 if the Ellerton Drive Extension has not been commissioned																											
3	NOISE Noise Criteria	NOISE Noise Criteria	4	The Applicant shall ensure that the noise generated by the development does not exceed the criteria in Table 1 at any residence on privately-owned land Table 1: Noise criteria dB(A) <table border="1"> <caption>Table 1: Noise criteria dB(A)</caption> <thead> <tr> <th rowspan="2">Receiver</th> <th>Day Shoulder</th> <th>Day</th> <th>Evening</th> </tr> <tr> <th>6 – 7 am</th> <th>7 am – 6 pm</th> <th>6 – 10 pm</th> </tr> </thead> <tbody> <tr> <td>N1, N7, N8, N56, N57, N59, N63, N64, N65</td> <td>L_{day}(15 min)</td> <td>L_{day}(15 min)</td> <td>L_{even}(15 min)</td> </tr> <tr> <td></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> Notes: <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. Appendix 9 sets out the metrological conditions under which these criteria apply and the requirements for evaluating compliance with these criteria. 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.	Receiver	Day Shoulder	Day	Evening	6 – 7 am	7 am – 6 pm	6 – 10 pm	N1, N7, N8, N56, N57, N59, N63, N64, N65	L _{day} (15 min)	L _{day} (15 min)	L _{even} (15 min)		40	44	39	N67	36	41	35	All other receivers between N9 and N71 inclusive	36	38	35	All other receivers	35	35	35	Rudds (2014) Acoustic Report INX incident register (28/9/13-27/11/14)	Non-compliant	Appendix 9, Condition 3 requires quarterly attended noise monitoring. This has not been conducted. There are no recorded noise complaints. Recommendation 5: Attended noise monitoring is undertaken quarterly to meet the requirements of Appendix 9, Condition 3.
Receiver	Day Shoulder	Day	Evening																															
	6 – 7 am	7 am – 6 pm	6 – 10 pm																															
N1, N7, N8, N56, N57, N59, N63, N64, N65	L _{day} (15 min)	L _{day} (15 min)	L _{even} (15 min)																															
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Schedule	Conditions (all rows labelled)	Condition	Condition Number	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations																				
3	NOISE Hours of Operation	NOISE Hours of Operation	5	The Applicant shall comply with the operating hours set out in Table 2. Table 2: Operating Hours <table border="1" data-bbox="743 188 1249 347"> <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> Notes: Maintenance activities may occur at any time provided they are inaudible at privately-owned residences. Note: Maintenance activities may occur at any time provided they are inaudible at privately-owned residences.	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	Rudds (2014) Acoustic Report INX incident register (28/9/13-27/11/14)	Not verified	No complaints have been received regarding truck movements. There is no reason to believe that there have been operations outside of these hours.
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																									
3	NOISE Operating Conditions	NOISE Operating Conditions	6	The Applicant shall: (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 Director-General.	Environmental Management System Rudds (2014) Acoustic Report INX incident register (28/9/13-27/11/14)	Non-compliant	(a) The Noise Management Plan (2014) describes best management practice to minimise the construction, operational and traffic noise. However, it could not be verified that these are always applied. However, there is no reason to believe that they are not. (b) As per (a) (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. (d) Attended noise monitoring of operations has not been undertaken (see Appendix 9, Condition 3). See Recommendation regarding DC_SSD_5109, Appendix 9, Condition 3 (noise monitoring).																				
3	NOISE Noise Management Plan	NOISE Noise Management Plan	7	The Applicant shall prepare and implement a Noise Management Plan for the development to the satisfaction of the Director-General. This plan must: (a) be prepared in consultation with Council and the EPA, and submitted to the Director-General for approval within 6 months of this consent; (b) describe the measures that would be implemented to comply with the: • noise criteria in Table 1; • hours of operation in Table 2; and • operating conditions in Condition 7 above; (c) include a monitoring program that: • incorporates quarterly (or as otherwise agreed by the Director-General) 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.	Letter from DP&E (08/10/14)	Compliant	-																				
3	NOISE Independent Road Noise Audit	NOISE Independent Road Noise Audit	8	Within 6 months from the date of this consent, the Applicant shall commission a suitably qualified person, to conduct an Independent Road Noise Audit of the Edwin Land Parkway. This audit must: (a) be undertaken in consultation with Council and the EPA; (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 (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 Director-General. Within 2 months of receiving the audit report, or as otherwise agreed by the Director-General, the Applicant shall submit a copy of the report to the Director-General, 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 Director-General, to the satisfaction of the Director-General.	Rudds (2014) Acoustic Report	Compliant	-																				
3	BLASTING Blasting Criteria	BLASTING Blasting Criteria	9	The Applicant shall ensure that the blasting on the site does not cause exceedences of the criteria in Table 3. Table 3: Blasting Criteria <table border="1" data-bbox="743 1257 1249 1353"> <thead> <tr> <th>Location</th> <th>Airblast overpressure (dB(Lin Peak))</th> <th>Ground vibration (mm/s)</th> <th>Allowable exceedence</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Any residence on privately-owned land</td> <td>120</td> <td>10</td> <td>0%</td> </tr> <tr> <td>115</td> <td>5</td> <td>5% of the total number of blasts over a period of 12 months</td> </tr> </tbody> </table> 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.	Location	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)	Allowable exceedence	Any residence on privately-owned land	120	10	0%	115	5	5% of the total number of blasts over a period of 12 months	2013 Annual Review 2014 monitoring records (6/1/14-6/11/14)	Compliant	One blast event logged in INX as public complaint (11/06/14). However, overpressure or vibration criteria were not exceeded.									
Location	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)	Allowable exceedence																								
Any residence on privately-owned land	120	10	0%																								
	115	5	5% of the total number of blasts over a period of 12 months																								

Schedule	Conditions (all rows labelled)	Condition	Condition Number	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations																							
3	BLASTING Blasting Hours	BLASTING Blasting Hours	10	The Applicant shall: (a) not carry out blasting on site on weekends or public holidays; and (b) only carry out blasting on site between 9 am and 3 pm Monday to Friday.	2013 Annual Review 2014 monitoring records (6/1/14-6/11/14) INX incident register (28/9/13-27/11/14)	Not verified	The blasting contractor, Maxam, provides detailed blasting reports for each blast. (a) Compliance cannot be verified from summary monitoring data. It is understood that the 'Sampling Date' in the monitoring summaries is when the information is entered as opposed to the date of the blast. (b) Compliance cannot be verified from summary monitoring data which do not provide blast times. There are no complaints regarding blasting outside of the specified hours and there is no reason to believe that this condition was not met. Recommendation 6: Actual blast dates and times are provided with blast monitoring records.																							
3	BLASTING Blasting Frequency	BLASTING Blasting Frequency	11	The Applicant may carry out a maximum of 1 blast a day, unless an additional blast is required following a blast misfire. 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.	2013 Annual Review 2014 monitoring records (6/1/14-6/11/14) Maxam blast reports	Non-compliant	On occasions, separate blasts in the dacite and granite pits are conducted on the same day. Recommendation 7: Only one blast is conducted on a given day unless there is a misblast. Recommendation 8: Holcim apply to have this condition modified if it is impractical and of little environmental benefit.																							
3	BLASTING Operating Conditions	BLASTING Operating Conditions	12	During blasting operations, the Applicant shall: (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 Director-General.	Blast Management Plan (2014) Sign at site entry notifying blasting on the day INX incident register (28/9/13-27/11/14)	Not verified	(a) Survey points are installed on the Moses Morley Kiln to allow any movement to be measured. (b) Blasting company Maxam conduct blasting. Maxam operate under their own safety and environmental management system. There are no complaints regarding blasting safety or damage from blasting and there is no reason to believe that this condition was not met. (c) Given that blasting occurs a substantial distance from publically accessible areas and that no complaints have been received regarding the issues listed in this condition, the measures to inform local landholders are considered sufficient.																							
3	BLASTING Blast Management Plan	BLASTING Blast Management Plan	13	The Applicant shall prepare and implement a Blast Management Plan for the development to the satisfaction of the Director-General. This plan must: (d) [sic] be prepared in consultation with Council and the EPA, and submitted to the Director-General 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.	Letter from DP&E (08/10/14) Blast Management Plan	Compliant	-																							
3	AIR QUALITY Air Quality Criteria	AIR QUALITY Air Quality Criteria	14	The Applicant shall 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"><caption>Table 4: Long-Term Impact Assessment Criteria for Particulate Matter</caption><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"><caption>Table 5: Short Term Impact Assessment Criteria for Particulate Matter</caption><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"><caption>Table 6: Long-Term Impact Assessment Criteria for Deposited Dust</caption><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) 2013 Annual Review. 2014 monitoring records (January-October) INX incident register (28/9/13-27/11/14)	Not verified	Dust deposition exceeded the cumulative criterion of 4 g/m ² /month for seven out of ten months (January-October) in 2014 at DG1 (close to the site entrance). A maximum deposition of 8.5 g/m ² /month was recorded. However, this is monitor is not at a residence on private land and therefore is not a non-compliance. However, this elevated dust deposition level was recorded in INX. One dust deposition >4 g/m ² /year was recorded in 2013 at this site. This was explained as sample contamination in the 2013 Annual Review. Recommendation 9: That the ongoing dust deposition levels at DG1 are investigated and appropriate actions implemented. Recommendation 10: The Annual Review report makes it clear at which sites the dust deposition criteria apply. The monitoring program in the Air Quality Management Plan (finalised in March 2014) includes installation of a high volume air sampler (HVAS) to monitor PM ₁₀ and TSP concentrations. This HVAS has not been installed. It is therefore not possible to determine if PM ₁₀ and TSP have been met. Recommendation 11: A HVAS is installed as soon as possible.
Pollutant	Averaging period	^d Criterion																												
Total suspended particulates (TSP)	Annual	^a 90 µg/m ³																												
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Schedule	Conditions (all rows labelled)	Condition	Condition Number	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
				<ul style="list-style-type: none"> a Total impact (ie incremental increase in concentrations due to the development plus background concentrations due to all other sources); b Incremental impact (ie incremental increase in concentrations due to the development on its own); c Deposited dust is to be assessed as insoluble solids as defined by Standards Australia, AS/NZS 3580.10.1:2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulate Matter - Deposited Matter - Gravimetric Method. d Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents, illegal activities or any other activity agreed by the Director-General in consultation with EPA. 			
3	AIR QUALITY Operating Conditions	AIR QUALITY Operating Conditions	15	<p>The Applicant shall:</p> <p>(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;</p> <p>(b) regularly assess air quality monitoring data to ensure compliance with the relevant conditions of this consent; and</p> <p>(c) minimise the air quality impacts of the development during adverse meteorological conditions; to the satisfaction of the Director-General.</p>	<p>Air Quality Management Plan (March 2013)</p> <p>2013 Annual Review.</p> <p>2014 monitoring records (January-October)</p> <p>INX incident register (28/9/13-27/11/14)</p>	Non-compliant	<p>(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.</p> <p>Recommendation 12: The deposited dust levels investigation (see recommendation for Schedule 3, Condition 14) considers whether additional dust reduction measures are required.</p> <p>It is noted that Holcim (Australia) has company-wide procedures to guide best management practice at all operations.</p> <p>(b) Monitoring data appears to generally reviewed monthly. However, this does not appear to have triggered an investigation into deposited dust exceeding the guideline of 4 g/m²/month at DG1 (noting this is not a private residence and therefore the levels do not constitute a non-compliance).</p> <p>Recommendation 13: It is investigated why elevated dust deposition levels at DG1 were not recorded in INX.</p> <p>Recommendation 14: All exceedences are recorded in INX and an investigation instigated.</p> <p>Recommendation 15: If it is determined that 4 g/m²/month is not an appropriate trigger for further investigation at DG1, a new trigger value is determined.</p> <p>(c) The site inspection was not conducted during adverse weather conditions and compliance with PM₁₀ and TSP criteria cannot be evaluated as monitoring has not been undertaken. It is not possible to comment on compliance. See also DC_SSD_5109, Schedule 3, Condition 14.</p>
3	AIR QUALITY Air Quality Management Plan	AIR QUALITY Air Quality Management Plan	16	<p>The Applicant shall prepare and implement an Air Quality Management Plan for the development to the satisfaction of the Director-General. This plan must:</p> <p>(a) be prepared in consultation with Council and the EPA, and submitted for approval to the Director-General within 6 months of the date this consent;</p> <p>(b) describes the measures that would be implemented to ensure compliance with the air quality criteria and operating conditions under this consent; and</p> <p>(c) include an air quality monitoring program to evaluate the performance of the development against the air quality criteria.</p>	<p>Letter from DP&E (08/10/14)</p> <p>Air Quality Management Plan (2014)</p>	Compliant	-
3	METEOROLOGICAL MONITORING	METEOROLOGICAL MONITORING	17	<p>For the life of the development, the Applicant shall ensure that there is a suitable meteorological monitoring station operating in the vicinity of the site that:</p> <ul style="list-style-type: none"> • 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. 	<p>Air Quality Management Plan (2014)</p>	Non-compliant	<p>The monitoring program in the Air Quality Management Plan (finalised in March 2014) includes installation of a meteorological station. This has not occurred, although it is understood that planning is underway for its installation.</p> <p>Recommendation 16: A meteorological station is installed as soon as possible.</p>
3	SOIL & WATER	SOIL & WATER	N/A	<p>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.</p>	-	Note	-
3	SOIL & WATER Water Supply	SOIL & WATER Water Supply	18	<p>The Applicant shall 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.</p>	<p>Interview with A.Bertram (27/11/14)</p>	Not verified	<p>Site dams contained water during site inspection (27/11/14). There is no evidence to indicate that site has been operating with insufficient water.</p>
3	SOIL & WATER Water Discharges	SOIL & WATER Water Discharges	19	<p>The Applicant shall comply with the discharge limits in any EPL or with Section 120 of the POEO Act.</p>	<p>2013 Annual Review.</p> <p>2014 monitoring records (January-October)</p> <p>INX incident register (28/9/13-27/11/14)</p>	Not verified	<p>No discharges during audit period.</p>

Schedule	Conditions (all rows labelled)	Condition	Condition Number	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations														
3	SOIL & WATER Water Management Plan	SOIL & WATER Water Management Plan	20	<p>The Applicant shall prepare and implement a Water Management Plan for the development to the satisfaction of the Director-General. This plan must be prepared in consultation with the EPA and NOW by suitably qualified and experienced person/s whose appointment has been approved by the Director-General, and be submitted to the Director-General 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; 	Draft Water Management Plan (2014) Email to DP&E submitting draft WMP (27/3/14)	Compliant	The Water Management Plan has been submitted but approval from the Secretary/Director-General has not been received. Recommendation 17: DP&E is contacted regarding finalisation of the Water Management Plan.														
	SOIL & WATER Water Management Plan			<ul style="list-style-type: none"> • performance criteria, including trigger levels for investigating any potentially adverse surface water quality impacts; • a program to monitor: <ul style="list-style-type: none"> - 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: <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. 	Draft Water Management Plan (2014)		-														
3	HERITAGE Heritage Management Plan	HERITAGE Heritage Management Plan	21	<p>The Applicant shall prepare and implement a Heritage Management Plan for the development to the satisfaction of the Director-General. 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 Director-General 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. 	Letter from DP&E (08/10/14) Heritage Management Plan (2014)	Compliant	-														
3	REHABILITATION Rehabilitation Objectives	REHABILITATION Rehabilitation Objectives	22	<p>22. The Applicant shall rehabilitate the site to the satisfaction of the Director-General. 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 Director-General).</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 Director-General).	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. 	-	Not triggered	See Schedule 2, Condition 23 regarding progressive rehabilitation.
Feature	Objective																				
Site (as a whole)	Safe, stable and non-polluting																				
Surface Infrastructure	To be decommissioned and removed (unless otherwise agreed with the Director-General).																				
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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	REHABILITATION Progressive Rehabilitation	REHABILITATION Progressive Rehabilitation	23	<p>The Applicant shall 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 (27/11/14)	Not verified	Extraction areas cannot be progressively rehabilitated at this stage due to ongoing operations. Overburden stockpiles rehabilitated except in active areas. Here is no reason to believe that the progressive rehabilitation is not generally in accordance with this condition														

Schedule	Conditions (all rows labelled)	Condition	Condition Number	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
3	REHABILITATION Rehabilitation Management Plan	REHABILITATION Rehabilitation Management Plan	24	The Applicant shall prepare and implement a Rehabilitation Management Plan for the development to the satisfaction of the Director-General. This plan must: (a) be prepared in consultation with DRE, DPI, NOW and Council; (b) be submitted to the Director-General 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: • manage remnant vegetation and habitat on site; • ensure compliance with the rehabilitation objectives and progressive rehabilitation obligations in this consent; (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: • 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; (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.	Email from Holcim to DP&E, NOW, QCC and DPI submitting the plan (26/09/14)	Compliant	The Rehabilitation Management Plan has been submitted to DPI, NOW and Council but not yet approved. Recommendation 18: While DRE is part of DPI, it is recommended that Holcim confirm that DRE has received the draft Rehabilitation Management Plan.
3	REHABILITATION Rehabilitation Bond	REHABILITATION Rehabilitation Bond	25	Within 12 months of the approval of the Rehabilitation Management Plan, the Applicant shall 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 shall be determined by: (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 Director-General. Notes: • If capital and other expenditure required by the Rehabilitation Management Plan is largely complete, the Director-General 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 Director-General, then the Director-General will release the bond. If the rehabilitation of the site is not completed to the satisfaction of the Director-General, then the Director-General will call in all or part of the bond, and arrange for the completion of the relevant works.	-	Not triggered	Rehabilitation Management Plan has not been approved.
3	REHABILITATION Rehabilitation Bond		26	Within 3 months of each Independent Environmental Audit (see condition 9 of schedule 5), the Applicant shall review, and if necessary revise, the sum of the Rehabilitation Bond to the satisfaction of the Director-General. This review must consider the: (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.	-	Not triggered	This is the first Independent Environmental Audit.
3	VISUAL	VISUAL	27	Within 12 months of the date of this consent, the Applicant shall establish a vegetation screen to minimise visibility of site infrastructure from outside the development area. Following establishment, the Applicant shall maintain the vegetation screen, to the satisfaction of the Director-General.	Interview: A.Bertram (27/11/14).	Administrative non-compliance	A vegetation screen should have been established by 27 September 2014. This work is scheduled for January 2015. Recommendation 19: The vegetation screen should be established as soon as possible.
3	VISUAL		28	The Applicant shall implement all reasonable and feasible measures to minimise the off-site lighting impacts of the development.	Interview: A.Bertram (27/11/14). INX incident register (28/9/13-27/11/14)	Not verified	Minimal night-time operations. Minor modifications to carpark lighting made to direct light down. No complaints regarding lighting. There is no reason to believe that this requirement is not met.
3	BUSHFIRE MANAGEMENT	BUSHFIRE MANAGEMENT	29	The Applicant shall: 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.	Interview: A.Bertram (27/11/14).	Not verified	(a) Water cart equipped with hose for fire fighting. (b) Discussions held with RFS regarding availability of quarry water cart to fight local fires (most likely use is as a portable water source for fire trucks). There is no reason to believe that these requirements are not met.

Schedule	Conditions (all rows labelled)	Condition	Condition Number	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
3	WASTE	WASTE	30	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.	Interview: A.Bertram (27/11/14).	Not triggered	Concrete on-site is from concrete batching plant (not waste).
3	WASTE	WASTE	31	The Applicant shall: (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 Director-General.	Holcim Environmental Policy Site inspection (27/11/14) Interview: A.Bertram (27/11/14)	Non-compliant	(a) Holcim Environmental Policy sighted and no reason to believe that it is not applied. (b) Historic materials are stored in a cleared area south of the pits (Photograph 5.1). The base of this area is gravel and there are no runoff controls. Materials in this area included a lead-acid battery (Photograph 5.2), drums (some of which were not empty - Photograph 5.3) and large decommissioned fuel tanks. Given the recent approval, it could be argued that these were not generated by the development. However, the intent of this condition has been taken to include all waste stored on site. Recommendation 20: The historic wastes stored on site that may discharge hazardous materials to the environment are moved to an area with appropriate runoff controls or are disposed appropriately.
4	NOTIFICATION OF LANDOWNERS	NOTIFICATION OF LANDOWNERS	1	As soon as practicable after obtaining monitoring results showing an: (a) exceedance of any relevant criteria in schedule 3, the Applicant shall notify affected landowners in writing of the exceedance, and provide regular monitoring results to each affected landowner until the development is again complying with the relevant criteria; and (b) an exceedance of the relevant air quality criteria in schedule 3, the Applicant shall 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.	-	Not triggered	-
4	INDEPENDENT REVIEW	INDEPENDENT REVIEW	2	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 Director-General in writing for an independent review of the impacts of the development on his/her land. If the Director-General is satisfied that an independent review is warranted, then within 2 months of the Director-General's decision the Applicant shall: (a) commission a suitably qualified, experienced and independent expert, whose appointment has been approved by the Director-General, 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 Director-General and landowner a copy of the independent review.	-	Not triggered	-
5	ENVIRONMENTAL MANAGEMENT Environmental Management Strategy	ENVIRONMENTAL MANAGEMENT Environmental Management Strategy	1	The Applicant shall prepare and implement an Environmental Management Strategy for the development to the satisfaction of the Director-General. This strategy must: (a) be submitted to the Director-General for approval within 6 months of the date of this consent; (b) provide the strategic framework for environmental management of the development; (c) identify the statutory approvals that apply to the development; (d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development; (e) describe the procedures that would be implemented to: • 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 (f) include: • copies of any strategies, plans and programs approved under the conditions of this consent; and • a clear plan depicting all the monitoring required to be carried out under the conditions of this consent.	Letter from DP&E (08/10/14) Environmental Management Strategy	Compliant	-
5	ENVIRONMENTAL MANAGEMENT Adaptive Management	ENVIRONMENTAL MANAGEMENT Adaptive Management	2	The Applicant shall 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. Where any exceedance of these criteria and/or performance measures has occurred, the Applicant shall, at the earliest opportunity: (a) take all reasonable and feasible measures to ensure that the exceedance ceases and does not recur; (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 (c) implement remediation measures as directed by the Director-General; to the satisfaction of the Director-General.	-	Not triggered	-

Schedule	Conditions (all rows labelled)	Condition	Condition Number	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
5	ENVIRONMENTAL MANAGEMENT Management Plan Requirements	ENVIRONMENTAL MANAGEMENT Management Plan Requirements	3	The Applicant shall ensure that the Management Plans required under this consent are prepared in accordance with any relevant guidelines, and include: (a) detailed baseline data; (b) a description of: • 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; (c) a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria; (d) a program to monitor and report on the: • impacts and environmental performance of the development; and • effectiveness of any management measures (see (c) above); (e) a contingency plan to manage any unpredicted impacts and their consequences; (f) a program to investigate and implement ways to improve the environmental performance of the development over time; (g) a protocol for managing and reporting any: • incidents; • complaints; • non-compliances with statutory requirements; and • exceedences of the impact assessment criteria and/or performance criteria; and (h) a protocol for periodic review of the plan. Note: The Director-General may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.	Management Plans	Compliant	-
5	ENVIRONMENTAL MANAGEMENT Annual Review	ENVIRONMENTAL MANAGEMENT Annual Review	4	4. By the end of March each year, the Applicant shall review the environmental performance of the development to the satisfaction of the Director-General. This review must: (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; (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: • the relevant statutory requirements, limits or performance measures/criteria; • the monitoring results of previous years; and • the relevant predictions in the EIS; (c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance; (d) identify any trends in the monitoring data over the life of the development; (e) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and (f) describe what measures will be implemented over the current calendar year to improve the environmental performance of the development.	2013 Annual Review	Compliant	-
5	ENVIRONMENTAL MANAGEMENT Revision of Strategies, Plans & Programs	ENVIRONMENTAL MANAGEMENT Revision of Strategies, Plans & Programs	5	Within 3 months of a modification to this consent or following the submission of an: (a) annual review under condition 4 above; (b) incident report under condition 7 below; or (c) audit report under condition 9 below, the Applicant shall review, and if necessary revise, the strategies, plans, and programs required under this consent to the satisfaction of the Director-General. 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.	-	Not triggered	-
5	ENVIRONMENTAL MANAGEMENT Community Consultative Committee	ENVIRONMENTAL MANAGEMENT Community Consultative Committee	6	The Applicant shall establish and operate a Community Consultative Committee (CCC) for the development to the satisfaction of the Director-General. 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. Notes: • 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.	Sighted email from DP&E endorsing appointment of CCC Letter from DP&E endorsing appointment (27/05/14)	Compliant	-
5	REPORTING Incident Reporting	REPORTING Incident Reporting	7	The Applicant shall notify, at the earliest opportunity, the Director-General and any other relevant agencies of any incident that has caused, or threatens to cause, material harm to the environment. For any other incident associated with the development, the Applicant shall notify the Director-General and any other relevant agencies as soon as practicable after the Applicant becomes aware of the incident. Within 7 days of the date of the incident, the Applicant shall provide the Director-General and any relevant agencies with a detailed report on the incident, and such further reports as may be requested.	-	Not triggered	-
5	REPORTING Regular Reporting	REPORTING Regular Reporting	8	The Applicant shall 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.	http://www.holcim.com.au (last checked 11/12/14)	Non-compliant	Fortnightly monitoring results for Holcim sites are placed on the website (http://www.holcim.com.au/sustainability/environment/pollution-monitoring-data.html) within about a month. However, the 2013 Annual Review is not on the website (see). See recommendation regarding DC_SSD_5109, Schedule 5, Condition 11.

Schedule	Conditions (all rows labelled)	Condition	Condition Number	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
5	INDEPENDENT ENVIRONMENTAL AUDIT	INDEPENDENT ENVIRONMENTAL AUDIT	9	<p>Within a year of the date of this consent, and every 3 years thereafter, unless the Director-General directs otherwise, the Applicant shall 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 Director-General;</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; and</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.</p> <p>Note: This audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Director-General.</p>	Letter from DP&E endorsing appointment of audit team (08/10/14)	Compliant	<p>Consultation with DP&E, DPI, DRE, EPA, NOW, OEH, OEH Flora and Fauna, Queanbeyan City Council and RMS undertaken via letter (sent via email between 5 - 11/11/14).</p> <p>EPA and DRE advised compliance of the quarry with its applicable consent conditions. DPI and OEH Flora and Fauna had no further comments.</p> <p>Follow up emails sent to DP&E, Queanbeyan City Council and OEH (02/12/14) but no response was received.</p> <p>RMS asked for an extension to the response until 12/12/14.</p>
5	INDEPENDENT ENVIRONMENTAL AUDIT		10	<p>Within 3 months of commissioning this audit, or as otherwise agreed by the Director-General, the Applicant shall submit a copy of the audit report to the Director-General, together with its response to any recommendations contained in the audit report.</p>	-	Not triggered	-
5	ACCESS TO INFORMATION	ACCESS TO INFORMATION	11	<p>The Applicant shall:</p> <p>(a) make the following information publicly available on its website:</p> <ul style="list-style-type: none"> • the EIS; • 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, updated on a quarterly basis; • minutes of CCC meetings; • copies of any annual reviews (over the last 5 years); • any independent environmental audit, and the Applicant's response to the recommendations in any audit; and • any other matter required by the Director-General; and <p>(b) keep this information up-to-date, to the satisfaction of the Director-General.</p>	http://www.holcim.com.au (last checked 11/12/14)	Non-compliant	<p>With the exception of monitoring results (see DC_SSD_5109, Schedule 5, Condition 8), the Cooma Road Quarry documents are not on the Holcim website.</p> <p>Recommendation 21: The documents and information listed in DC_SSD_5109, Schedule 5, Condition 11 are provided on the Holcim website.</p> <p>The Holcim website provides equivalent documents for Holcim's Lynwood Quarry. However, navigating the website to find the Lynwood Quarry documents is not intuitive. In preparing the website, consideration should be given ensuring that the Cooma Road documents can be easily found.</p>

Appendix Number	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations												
4	<p>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.</p> <table border="1" data-bbox="320 392 1122 574"> <thead> <tr> <th data-bbox="320 392 965 464">Timing for when the contribution is payable:</th> <th data-bbox="965 392 1122 464">Amount payable (March 2012 dollars)</th> </tr> </thead> <tbody> <tr> <td data-bbox="320 464 965 488">First occasion where production exceeds 1 Mtpa, but is less than 1.1 Mtpa</td> <td data-bbox="965 464 1122 488">\$ 10,080</td> </tr> <tr> <td data-bbox="320 488 965 512">First occasion where production exceeds 1.1 Mtpa, but is less than 1.2 Mtpa</td> <td data-bbox="965 488 1122 512">\$ 10,080</td> </tr> <tr> <td data-bbox="320 512 965 536">First occasion where production exceeds 1.2 Mtpa, but is less than 1.3 Mtpa</td> <td data-bbox="965 512 1122 536">\$ 10,080</td> </tr> <tr> <td data-bbox="320 536 965 560">First occasion where production exceeds 1.3 Mtpa, but is less than 1.4 Mtpa</td> <td data-bbox="965 536 1122 560">\$ 10,080</td> </tr> <tr> <td data-bbox="320 560 965 574">First occasion where production exceeds 1.4 Mtpa.</td> <td data-bbox="965 560 1122 574">\$ 10,080</td> </tr> </tbody> </table> <p>Notes</p> <ol style="list-style-type: none"> <li data-bbox="277 655 1272 703">1. The Queanbeyan Section 94 Contribution Plan 2012 may be inspected at Council's Sustainability and Better Living Division, Council Chambers Queanbeyan. <li data-bbox="277 703 1272 751">2. The contribution specified is that which applies at the date of issue of this consent. Rates are reviewed quarterly. <p>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.</p>	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	-	Not triggered	-
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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.	Interview with A.Bertram (27/11/14)	Not verified	2,000 tonnes of waste concrete from Holcim concrete plant received (ie non-contaminated) during audit period. There is no reason to believe that this condition has not been met.
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 observations (27/11/14)	Not verified	No documentation was viewed to confirm that the Crown Land was pegged but given that all other areas are pegged, there is no reason to believe that this has not been marked.
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 observations (27/11/14)	Not verified	No official documentation was sighted to demonstrate that waste has not been placed in the previously approved emplacement area. However, based on the site inspection, there is no reason to believe that this condition has not been met.
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 (27/11/14)	Not triggered	It is not possible to grass all dams due to their location. However, dams appear to be maintained. It is noted that less than two years have passed since the development consent was granted.
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.	-	Administrative non-compliance	Site induction forms used for auditors (27/11/14) did not mention archaeological sites. Recommendation 22: The location of archaeological sites are included in the site induction form and a map is prepared for use in inductions that shows all sensitive environmental features that are to be avoided within the quarry site.
	6	Cooma Quarry 2 will be fenced during the construction phase to avoid any unintended impacts to the site.	-	Not triggered	-
	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.	Interview with A.Bertram (27/11/14)	Not verified	There were obvious indications that the quarry is engaging with the local Aboriginal community. The interview with A.Bertram indicated that there are a number of programs in association with the community, including the provision of service contracts. There is no reason to believe that this condition has not been met.

Commitment Aspect	Commitment Number	Commitment Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
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.	-	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 observations (27/11/14)	Compliant	-
	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 observations (27/11/14)	Compliant	-
	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.	-	Administrative non-compliance	Condition of the site and photographs not contained in 2013 Annual Review. Mitigation measures against potential impacts are listed in Heritage Management Plan. Recommendation 23: Morley's Lime Kiln inspections are reported in the Annual Review.
	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	-	Non-compliant	'Baseline' photographic/archival recordings were not available. Updating the recording has not been triggered. Recommendation 24: Photographic/archival recording of the Moses Morley's Lime Kiln site is undertaken as soon as possible.
	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.	-	Not triggered	-
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. 	Interview with A.Bertram (27/11/14) Air Quality Management Plan (2014)	Compliant	-
Greenhouse Gases	15	Holcim Australia will monitor diesel usage and seek opportunities for further efficiency, including consideration of fuel efficiency in equipment selection.	Interview with D. Lidbetter (27/11/14)	Compliant	Energy Dashboard monthly report from P/L on diesel and electricity. Online database "visionlink" measure emission, sent to supplier (Caterpillar).

Commitment Aspect	Commitment Number	Commitment Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
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 inspection (27/11/14) INX incident register (28/9/13-27/11/14)	Not verified	Each of these commitments could not be independently verified. However on 27/11/14, the site layout appeared to consider these factors. Noise emissions from the primary crushing plant have not been measured. No noise complaints have been recorded. Recommendation 25: The quarterly attended noise monitoring (see DC_SSD_5109, Appendix 9, Condition 3) should include a review of the operations occurring at the time of the monitoring, including the sound power level from the primary crusher.
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).	-	Not triggered	-
Hazards	18	Holcim Australia will store all dangerous goods in accordance with dangerous goods storage requirements and relevant Australian Standards.	Site inspection (27/11/14)	Compliant	Dangerous goods are generally stored in the workshop area. Storage was observed to be adequate although some areas were untidy or somewhat "run down". It is understood that the current workshop area and associated stores will be decommissioned following completion of the new infrastructure area.
	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.	Interview: A.Bertram (27/11/14).	Not verified	See Schedule 3, Condition 29. There is no reason to believe that this condition has not been met.
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.	Interview: A.Bertram (27/11/14).	Not verified	There is no reason to believe that this condition has not been met.
Community Engagement	21	Holcim Australia will continue to operate a Community Line for the Cooma Road Quarry for the life of the Development.	Websearch	Administrative non-compliance	A telephone number for Cooma Road Quarry is listed in the White Pages although there is no indication that this is a "community line" or a "complaints line". There is no reference on the Holcim website to a Community Line for Cooma Road. Recommendation 26: The Holcim website is updated so that the appropriate telephone number for registering complaints is provided.

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.	-	Note	-
Determination of Meteorological Conditions	2	Except for wind speed at microphone height, the data to be used for determining meteorological conditions shall be that recorded by the meteorological station on or in the vicinity of the site.	-	Note	Meteorological station not installed (see Project Approval, Schedule 3, Condition 17).
Compliance Monitoring	3	Unless directed otherwise by the Director-General, quarterly attended monitoring is to be used to evaluate compliance with the relevant conditions of consent. Note: The Director-General may direct that the frequency of attended monitoring increase or decrease at any time during the life of the development.	2013 Annual Review. 2014 monitoring records (January-October)	Non-compliant	No attended noise monitoring was undertaken in the audit period. Recommendation 27: Attended noise monitoring is undertaken quarterly to meet the requirements of Appendix 9, Condition 3.
	4	Unless otherwise agreed with the Director-General, 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).

Commitment Aspect	Commitment Number	Commitment Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
1 Administrative Conditions					
A1 What the licence authorises and regulates	A1.1	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. Crushing, grinding or separating > 500000 - 2000000 T processed Land based extractive activity > 500000 - 2000000 T extracted, processed or stored	-	Note	-
A2 Premises or plant to which this license applies	A2.1	Premises Details: 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	-	Note	-
A3 Information supplied to the EPA	A3.1	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: 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 b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.	Letter from EPA informing compliance audit (24/11/14)	Compliant	-
2 Discharges to Air and Water and Applications to Land					
P1 Location of monitoring/discharge points and areas	P1.1	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.	-	Note	-
	P1.2	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. 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.	-	Note	-
3 Limit Conditions					
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.	2013 Annual Review EPA Annual Return (6/6/14) INX incident register (28/9/13-27/11/14)	Compliant	No pollution incident recorded during audit period No discharge from SIP (only licensed discharge point) during 2013.

Commitment Aspect	Commitment Number	Commitment Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations																								
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.	2013 Annual Review. 2014 monitoring records (January-October) INX incident register (28/9/13-27/11/14)	Compliant	No pollution incident recorded during audit period. Recommendation 28: Water monitoring results for SIP should provide an explicate comment that no discharge is occurring when this is the case.																								
	L2.2	Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.	2013 Annual Review. 2014 monitoring records (January-October)	Compliant	-																								
	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.	-	Note	-																								
	L2.4	Water and/or Land Concentration Limits	-	Note	-																								
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. POINT 1 <table border="1" data-bbox="568 646 1077 799"> <thead> <tr> <th>Pollutant</th> <th>Units of Measure</th> <th>50 percentile concentration limit</th> <th>90 percentile concentration limit</th> <th>30GM 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>8.5-8.5</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	30GM concentration limit	100 percentile concentration limit	Oil and Grease	milligrams per litre				10	pH	pH				8.5-8.5	Total suspended solids	milligrams per litre				50	2013 Annual Review. 2014 monitoring records (January-October) INX incident register (28/9/13-27/11/14)	Compliant	One overpressure exceedance in 2013 and one in 2014. These are within 5% exceedance annual allowance.
	Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	30GM concentration limit	100 percentile concentration limit																							
	Oil and Grease	milligrams per litre				10																							
pH	pH				8.5-8.5																								
Total suspended solids	milligrams per litre				50																								
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.	2013 Annual Review. 2014 monitoring records (January-October) INX incident register (28/9/13-27/11/14)	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.	2014 Blast Management Plan 2014 monitoring records (January - December)	Compliant	-																									

Commitment Aspect	Commitment Number	Commitment Description/ 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 observations (27/11/14)	Non-compliant	a) Compliant. The workshop area is nearing the end of its life and will be relocated to the new infrastructure area when commissioned. There appear to be environmental controls in place (such as a hardstand and drain leading to an oil-water separator trap). However, the drain (Photograph 5.4) appears to be close to blocking. Recommendation 29: The drains in the workshop area are inspected and cleaned if required. b) Legacy items (batteries and disused hydrocarbons tank) are not stored and disposed appropriately. Recommendation 30: Areas for storing legacy items are cleaned-up to remove any items that may discharge hazardous materials to the environment. See recommendation regarding DC_SSD_5109, Schedule 3, Condition 31.
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 registers	Compliant	-
O3 Dust	O3.1	The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.	Interview with A.Bertram (27/11/14) Site observations (27/11/14)	Not verified	There is no reason to believe that this condition has not been met.
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.	-	Note	-
	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.	2013 Annual Review. 2014 monitoring records (January-October)	Not verified	a) data recorded in Excel 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.	2013 Annual Review. 2014 monitoring records (January-October)	Administrative non-compliance	There were no water discharges in the audit period. a) Monitoring summary records provide a 'Sampling Date'. This does not appear to be the actual date that blasting occurred. b) Times are not provided on the monitoring summary records c) Compliant d) Names are not provided on the monitoring summary records Monitoring data interpretation is compromised without a) and b). Recommendation 31: Monitoring records provide date and time of sampling and the name of the person who collected the sample.

Commitment Aspect	Commitment Number	Commitment Description/ 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 (28/9/13-27/11/14)	Compliant	One complaint made regarding blasting (11/6/14).
	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 (28/9/13-27/11/14)	Administrative non-compliance	a) Date recorded. Time not recorded. b) INX form does not appear to have a location to record method by which complaint was made c) Personal details not recorded d) Compliant e) Compliant f) Compliant Recommendation 32: Review complaints recording in INX to ensure that the method by which complaint was made and details of person making the complaint are recorded.
	M2.3	The record of a complaint must be kept for at least 4 years after the complaint was made.	INX incident register (28/9/13-27/11/14)	Compliant	-
	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.	Web search	Administrative non-compliance	A telephone number for Cooma Road Quarry is listed in the White Pages although there is no indication that this is a "Community Line" or a "complaints line". There is no reference on the Holcim website to a Community Line for Cooma Road. Recommendation 33: The Holcim website is updated so that the telephone number for registering complaints is clear.
	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.	Web search	Administrative non-compliance	A telephone number for Cooma Road Quarry is listed in the White Pages although there is no indication that this is a "Community Line" or a "complaints line". There is no reference on the Holcim website to a Community Line for Cooma Road. Recommendation 34: The Holcim website is updated so that the telephone number for registering complaints is clear.
	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.	-	Note	-

Commitment Aspect	Commitment Number	Commitment Description/ 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 (6/6/14)	Compliant	-
	R1.2	An Annual Return must be prepared in respect of each reporting period, except as provided below.	EPA Annual Return (6/6/14)	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.	-	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.	-	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 Return (6/6/14)	Compliant	-
	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.	-	Not verified	There is no reason to believe that this condition has not been met.
	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 Return (6/6/14)	Compliant	-
	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 Return (6/6/14)	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.	-	Note	-

Commitment Aspect	Commitment Number	Commitment Description/ 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.	-	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.	-	Not triggered	-
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.	-	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.	Letter from EPA informing compliance audit (24/11/14)	Compliant	Blasting complaint to EPA found not to exceed criteria.
	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.	-	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.	-	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.	Holcim advised by email (08/12/14) it is kept in Permit Compliance Folder in the weighbridge office	Compliant	-
	G1.2	The licence must be produced to any authorised officer of the EPA who asks to see it.	-	Note	-
	G1.3	The licence must be available for inspection by any employee or agent of the licensee working at the premises.	-	Note	-

Condition	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>	Water meter readings for January 2015 (Excel spreadsheet)	Non-compliant	<p>No logbook entries are available for 2013 or 2014. The site was non-compliant for this period.</p> <p>Prior to January 2015, the installed water meter for WAL 33412 was faulty, probably due to ice damaging the mechanism. A new meter has been installed and data from January 2015 is available.</p> <p>There is no logbook for WAL 29091.</p> <p>Recommendation 35: A water meter is installed for WAL 29091, or a monthly note is included in the log-book indicating that water has not been accessed under this licence.</p>
2	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.	Water meter readings for January 2015	Administrative non-compliance	<p>No logbook entries are available for 2013 or 2014. The site was non-compliant for this period for WAL 33412 and WAL 29091.</p> <p>Recommendation 36: A logbook is established and maintained for WAL 29091.</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>	Water meter readings for January 2015	Non-compliant	<p>No logbook entries are available for 2013 or 2014. The site was non-compliant for this period.</p> <p>Recommendation 37: A logbook is established and maintained for WAL 29091.</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> <ol style="list-style-type: none"> date, and time of the confirmation, and 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>	Water meter readings for January 2015	Administrative non-compliance	<p>Date, time and licence or approval number is not recorded in the logbook.</p> <p>Recommendation 38: Logbooks for WAL 33412 and WAL 29091 include all required information, including date, time and licence or approval number.</p>
5	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: <ol style="list-style-type: none"> email: information@water.nsw.gov.au, or telephone: 1800 353 104. Any notification by telephone must also be confirmed in writing within seven (7) business days of the telephone call. 	-	Administrative non-compliance	Recommendation 39: The water approval non-compliances described in this audit should be reported to NOW.
6	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.	Not triggered	-	-
7	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.	Water meter readings for January 2015	Compliant	-

Condition	Condition Description/ Requirement	Evidence Verified	Compliance	Comments and Recommendations
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 2015	Non-compliant	See water licence conditions 2 and 4.
9	The completed logbook must be retained for five (5) years from the last date recorded in the logbook.	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.		Administrative non-compliance	No water access licence was provided as part of this audit (WAL 33412 and WAL 29091). Recommendation 40: Water Access Licences are all stored centrally and are available upon request.
Other conditions				
1	Water, after having been used, shall be discharged into suitable settling ponds outside of the watercourse as approved by the department.	Interview with A. Bertram (27/11/14)	Compliant	-
2	The ponds referred to in condition (2) shall be of sufficient capacity to effect removal of fine materials through settling.	Interview with A. Bertram (27/11/14)	Compliant	-
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 signficance	Interview with A. Bertram (27/11/14) INX incident register (27/11/14)	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.	Interview with A. Bertram (27/11/14)	Compliant	-
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.	-	Note	-
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 observations (27/11/14)	Compliant	-
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.	Interview with A. Bertram (27/11/14)	Compliant	-

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