



# Champions Quarry

## Independent Environmental Audit Report

November 2015



# Table of contents

1.	Introduction .....	1
1.1	Introduction .....	1
1.2	Scope of the audit .....	1
1.3	Audit team members .....	1
1.4	Limitations .....	2
2.	Methodology .....	3
2.1	Review of documentation .....	3
2.2	Site audit and inspection .....	4
2.3	Compliance assessment criteria .....	4
3.	Consultation with relevant agencies .....	6
4.	Assessment of compliance .....	8
5.	Adequacy of strategies, plans and programs .....	10
6.	Recommendations .....	14
6.1	Corrective Actions .....	14
6.2	Recommendations .....	14

# Table index

Table 2-1	Assessment criteria .....	4
Table 2-2	Risk analysis matrix .....	5
Table 3-1	Agency comments .....	6
Table 4-1	Summary of compliance .....	9
Table 6-1	Corrective actions .....	14
Table 6-2	Recommendations .....	15
Table A-6-1	Compliance with Project Approval 09_0080 - Schedule 2 .....	18
Table A-1-2	Compliance with Project Approval 09_0080 - Schedule 3 .....	26
Table A-1-3	Compliance with Project Approval 09_0080 - Schedule 4 .....	60
Table A-1-4	Compliance with Project Approval 09_0080 - Schedule 5 .....	62
Table A-1-5	Compliance with EPL – Administrative Conditions .....	71
Table A-1-6	Compliance with EPL – Discharge to air water and application to land .....	72
Table A-1-7	Compliance with EPL – Limit conditions .....	73
Table A-1-8	Compliance with EPL – Operating conditions .....	78
Table A-1-9	Compliance with EPL – Monitoring and recording conditions .....	81
Table A-1-10	Compliance with EPL – Reporting conditions .....	85

Table A-1-11 Compliance with EPL – General conditions.....88

Figure index

Figure 5-1 Revegetation ..... 11

Figure 5-2 Traffic control signs ..... 12

Figure 5-3 Water Reuse Dam ..... 13

Appendices

Appendix A – Audit Checklist

Appendix B – Consultation with Regulators

# 1. Introduction

## 1.1 Introduction

Champions Quarry is a sandstone quarry located on Wyrallah Road, Tuckurimba, 16 km south of Lismore on the Far North Coast of New South Wales. The quarry has been in operation since 1959 and was previously approved to extract approximately 64,000 tonnes per annum over a period of 15 years. With an estimated resource of approximately 12 million tonnes of quality sandstone material at the site, the quarry has now been approved (Project Approval 09\_0080) to expand its operations to extract 250,000 tonnes of sandstone material per year until the year 2038. This expansion involves extraction from a central extraction area (CEA) and a southern extraction area (SEA), covering approximately 16 hectares.

Champions Quarry is currently operating in accordance with the following approvals:

- Project Approval 09\_0080
- Environmental Protection Licence (EPL) 20562

GHD Pty Ltd (GHD) was commissioned by Champions Quarry, and approved in advance by the NSW Department of Planning and Environment (DP&E), to conduct an independent environmental audit of Champions Quarry's compliance with the requirements of Project Approval 09\_0080.

This report responds to the audit scope as outlined below.

## 1.2 Scope of the audit

The scope of the audit was defined by Condition 9, Schedule 5 of the Conditions of Consent as follows:

*"Within a year of the commencement of development on site under this approval, and every 3 years thereafter, unless the Director-General directs otherwise, the Proponent shall commission and pay the full cost of an Independent Environmental Audit of the project. 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 project and whether it is complying with the relevant requirements in this approval 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 the these approvals; and*

*(e) recommend measures or actions to improve the environmental performance of the project, and/or any assessment, plan or program required under these approvals."*

The methodology of the audit is outlined in Section 2. The period of the audit is July 2014 to June 2015 (the reporting period).

## 1.3 Audit team members

GHD undertook the audit at the request of Champions Quarry, with the team outlined below.

- Shaun Lawer – Project Director

- Ben Luffman – Project Manager and Lead Auditor
- Maurice Pignatelli – Technical Review
- Craig Evenden – Air and Noise Audit
- Daniel Williams – Rehabilitation Audit
- Amanda Ayres – Ecological Audit
- Stephanie Martin – Project Assistant

The audit team were approved by DP&E in a letter dated 1 July 2015 to undertake this audit.

## 1.4 Limitations

This report has been prepared by GHD for Champions Quarry and may only be used and relied on by Champions Quarry for the purpose agreed between GHD and Champions Quarry as set out in section 1.2 of this report.

GHD otherwise disclaims responsibility to any person other than Champions Quarry arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in the proposal. GHD disclaims liability arising from any of the assumptions being incorrect.

GHD has prepared this report on the basis of information provided by Champions Quarry and others who provided information to GHD (including Government authorities), which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

## 2. Methodology

The audit was carried out in accordance with the requirements of ISO 19011:2003 '*Guidelines for quality and/or environmental management systems auditing*' and *Draft Post-Approval Guidelines – Independent Audits* (DP&E, July 2015). In particular, the GHD team conducted the audit considering the following:

- The key principles of auditing including the requirement of auditors to conduct themselves in an ethical manner, report truthfully and accurately, be diligent and have the appropriate competency to conduct the audit, be independent, and apply an evidence-based approach to conducting the audit.
- The audit objectives, scope and criteria were based on the Conditions of Consent. The scope of the audit was limited to compliance with the conditions of Project Approval 09\_0080 and EPL 20562, the environmental performance of the project, and the adequacy of strategies plans or programs under the approval.
- An appropriate audit team was selected with the skills in air and noise, erosion and sediment control, and environmental auditing to ensure that an adequate assessment of compliance with the Conditions of Consent could be made.
- Relevant documentation (as detailed below) was reviewed prior to the audit to make an initial determination of conformity of the system to the requirements of the Conditions of Consent, and to prepare an audit checklist containing appropriate questions to address during the site audit.
- Informal audit opening and closing meetings were conducted with the auditee to explain the format of the audit upfront and to highlight preliminary audit findings at the conclusion of the site audit.
- Verifiable evidence was collected and recorded throughout the audit and evaluated against the Conditions of Consent to determine conformity or non-conformity.
- A complete and accurate report was prepared and distributed to provide a record of the audit and its findings.

### 2.1 Review of documentation

GHD reviewed documentation relevant to the operations at Champions Quarry, including:

- Management plans referenced in the planning approval and other instruments
- Monitoring and calibration records
- Correspondence with relevant stakeholders including authorities
- Inspection checklists
- Site procedures
- Training materials
- Reports prepared as required in the planning approval and other instruments
- Contractual documents with external service providers
- Agendas and minutes of meetings.

The documentation sighted by the auditors is referenced in the compliance tables presented in Appendix A.

## 2.2 Site audit and inspection

GHD undertook a site visit and audit at Champions Quarry on 20 August 2015. This included interviews with relevant personnel and observations guided by the audit criteria which addressed the conditions of the Project Approval and EPL.

The assessment of activities included:

- Document review and sighting of a selected cross section of data, records, correspondence, procedures and management plans
- Observations of site including excavation, water management infrastructure, chemical storage, biodiversity management and work areas
- Interviews with relevant personnel.

Champions Quarry personnel provided both soft and hard copies of documentary evidence to support their compliance with the audit criteria.

## 2.3 Compliance assessment criteria

In accordance with *Draft Post-Approval Guidelines – Independent Audits* (DP&E, July 2015), the compliance of each requirement was reported as described in Table 2-1.

Table 2-1 Assessment criteria

Criteria	Definition
Compliant	Where the auditor has collected sufficient verifiable evidence to demonstrate that the intent and all elements of the requirement of the regulatory instrument have been complied with within the scope of the audit.
Not Verified	Where the auditor has not been able to collect sufficient verifiable evidence to demonstrate that the intent and all elements of the requirement of the regulatory instrument have been complied with within the scope of the audit.
Non-compliant	Where the auditor has collected sufficient verifiable evidence to demonstrate that the intent of one or more specific elements of the regulatory instrument have not been complied with within the scope of the audit.
Administrative non-compliance	A technical non-compliance with a condition of the consent that would not impact on performance and that is considered minor in nature (e.g. report submitted but not on the due date, failed monitor or late monitoring session).
Not triggered	A condition or requirement has an activation or timing requirement that had not been sufficiently triggered at the time of the audit inspection, therefore a determination of compliance could not be made.
Observation	Observations are recorded where the audit identified issues of concern which do not strictly relate to the scope of the audit or assessment of compliance. Further observations are considered to be indicators of potential non-compliances or areas where performance may be improved.
Note	A statement or fact, where no assessment of compliance is required.

### 2.3.1 Categorisation of non-compliances

The non-compliances identified by the audit have been categorised according to their potential environmental significance. The risk assessment framework involved in assessing the significance of a non-compliance used the following criteria:

- the level of environmental impact as a result of the non-compliance
- the likelihood of environmental harm occurring.

After these assessments were made, a risk code was assigned using the risk analysis matrix identified in Table 2-2.



Table 2-2 Risk analysis matrix

Level of Environmental Impact	Likelihood of Environmental Harm			
		Certain	Likely	Less Likely
	High	Code Red	Code Red	Code Orange
	Moderate	Code Red	Code Orange	Code Yellow
	Low	Code Orange	Code Yellow	Code Yellow

Within the risk analysis matrix:

- A **Code Red** risk assessment denotes that the non-compliance is of considerable environmental significance with a potentially high level of environmental impact and a certain likelihood of environmental harm occurring therefore must be dealt with as a matter of priority
- A **Code Orange** risk assessment denotes that the non-compliance is of environmental significance with potentially a medium level of environmental impact and moderate likelihood of environmental harm occurring. However, remedying the non-compliance can be given a lower priority than a red risk assessment
- A **Code Yellow** risk assessment indicates that the non-compliance could receive a lower priority than a red or orange risk code, with a low level of environmental impact and a low likelihood of environmental harm occurring, but the non-compliance is still important and must be addressed
- There are also a number of requirements that do not have a direct environmental significance, but are still important to the integrity of the regulatory system. These requirements relate to administrative, monitoring and reporting conditions. Noncompliance of these requirements is given a **Code Blue** risk assessment.

### 3. Consultation with relevant agencies

To satisfy Condition 9 in Schedule 5 of the Project Approval, GHD sought consultation with the following agencies prior to the site audit:

- DP&E
- Environment Protection Authority (EPA)
- Office of Environment and Heritage (OEH)
- Lismore City Council (LCC).
- NSW Office of Water (NOW)
- Department of Resources and Energy (DRE)
- Roads and Maritime Service (RMS)
- Department of Primary Industries (Agriculture) (DPI)

The abovementioned agencies were contacted by telephone and email advising them of the upcoming audit, GHD's role in conducting the audit and invited comment on Champions Quarry's performance with the requirements of the approval that related to their agency. A summary of the response from the agencies is provided in Table 3-1. A copy of the correspondence with the agencies is provided in Appendix B.

Table 3-1 Agency comments

Agency	Comment	Where addressed
DP&E	Vegetation – biodiversity (offset areas), landscaping (bund and screens)	Section 5.1.4
	Water – Groundwater monitoring, soil erosion/ clean water diversion	Section 5.1.8
	Noise (bunds)	Section 5.1.5
	Locations of project elements (eg roads, dams, processing etc) in comparison to locations shown in the EA and project approval.	Project Approval, Schedule 2, Condition 2
EPA	Primary concern is that stormwater management complies with the Blue Book	Section 5.1.8
OEH	OEH advised that they have no statutory role in the quarry but are interested to know if Aboriginal heritage and biodiversity are being managed appropriately.	NA
LCC	In addition to review against the approved management plans and consent conditions it would be appropriate to review the commitments given through the community consultative process.	Project Approval, Schedule 3, Condition 22 and Project Approval, Schedule 5, Condition 6
NOW	The amount of water the quarry is using	Section 5.1.8

	Source of water	Section 5.1.8
	Groundwater seepage	Section 5.1.8
	Water quality monitoring and frequency	Project Approval, Schedule 3, Condition 38
	Compliance with their maximum harvestable rights	Section 5.1.8
DRE	As the operation is not extracting a mineral as defined under the <i>Mining Act 1992</i> , DRE (including the Environmental Sustainability Unit) has no statutory role in authorising or regulating the extraction of this commodity.	NA
RMS	RMS suggested inclusion of the following in the Code of Conduct: <ul style="list-style-type: none"> <li>• Safety initiatives for haulage through residential areas and/or school zones</li> <li>• An induction process for vehicle operators &amp; regular toolbox meetings</li> <li>• A complaint resolution and disciplinary procedure</li> <li>• Any community consultation measures for peak haulage periods.</li> </ul>	Section 5.1.6
DPI	No response was received	NA

## 4. Assessment of compliance

Table 4-1 presents a summary of compliance with conditions of the Project Approval 09\_0080 and EPL 20562. Compliance status against each clause of the approval and EPL is presented in Appendix A.

Overall, Champions Quarry demonstrated a high level of compliance with the conditions of the Project Approval 09\_0080 and EPL 20562 with only two code yellow non-compliances, 10 administrative non-compliances and 10 not verified.

Both non-compliances are relatively low risk to the environment. They relate to:

- The installation of a sediment basin marker which Champions Quarry is in negotiation with the EPA.
- The haul road between the CEA and SEA had not been sealed however Champions Quarry has been in consultation with DP&E to have this requirement removed.

The administrative non-compliances related to matters where Champions Quarry were in negotiations with the Regulatory Authority. Namely:

- Obtaining confirmation that DP&E are satisfied with work completed at the quarry.
- Two administrative non-compliances relate to the implementation of the Biodiversity Offset Strategy but again, Champions Quarry has been in consultation with DP&E in regards to this matter.
- Obtaining approval from DP&E for the revised Landscape Management Plan and Water Management Plan.
- Confirmation EPA are satisfied with the revised noise monitoring location due to access restrictions.
- The sediment basin did not have a sediment basin marker, as required by the EPL. Champions Quarry has suggested an alternative but, to date, the EPA has not confirmed if this is acceptable.

The rating of “Not Verified” was assigned where Champions Quarry was not able to provide sufficient evidence to demonstrate compliance. Namely:

- During the audit period, extraction had not extended below a level of 12m AHD in the CEA and 8m AHD in the SEA.
- Weather conditions during monitoring at NAL 1, 4 and 5 meant the noise criteria did not apply, so it was not possible to confirm if the noise levels complied with the criteria or not.
- Insufficient evidence regarding dewatering and desilting sediment basins resulted in three not verified EPL conditions
- The date when the complaints line was established could not be verified.

Table 4-1 Summary of compliance

Rating	Compliance with Project Approval 09_0080	Compliance with EPL 20562
Compliant	44	21
Not verified	4	6
Non-compliant	Code Red – 0	Code Red – 0
	Code Orange – 0	Code Orange – 0
	Code Yellow – 1	Code Yellow – 1
	Code Blue - 0	Code Blue - 0
Administrative non-compliance	9	1
Not triggered	23	26
Observation	0	0
Note	0	0

## 5. Adequacy of strategies, plans and programs

### 5.1.1 Environmental Management Strategy

The Environmental Management Strategy is the overarching document that provides a framework for the environmental management at the quarry. It meets the conditions of the Project Approval and has been approved by DP&E.

### 5.1.2 Air Quality Management Plan

The Air Quality Management Plan meets the requirements of the conditions of the Project Approval and has been approved by DP&E. Site observations indicated that the management measures are being implemented. In particular:

- The access road is sealed
- Stockpiles are covered or revegetated

There have been no complaints regarding dust and the monitoring records indicate the management measures have been effective.

### 5.1.3 Heritage Management Plan (HMP)

The HMP includes all the information required by the conditions of the Project Approval and has been approved by DP&E. The findings of the subsurface archaeological excavations were provided, indicating the management measures are being implemented.

It was reported that no items of archaeological significance had been identified to date.

### 5.1.4 Landscape Management Plan

The Landscape Management Plan (LMP) includes all the information required by the conditions of the Project Approval. The LMP Version 2.0 is awaiting approval from DP&E due to an inconsistency between the size of the offset in the LMP and conditions. Champions Quarry advised that this would be resolved via a modification to the Conditions of Approval which will occur following this audit.

The LMP broadly focuses on the rehabilitation of the offset site and the progressive rehabilitation of the quarry. The rehabilitation of the offset site and bunds was observed, with planting and weed control obvious. It is too early for rehabilitation of the quarry to have commenced.



Figure 5-1 Revegetation

#### 5.1.5 Noise Management Plan

The Noise Management Plan includes all the information required by the conditions of the Project Approval and has been approved by DP&E. Noise bunds were observed, complaints records and monitoring results indicated that the management measures are being implemented and are effective.

Some issues have occurred with the monitoring and these should be addressed with monitoring to be undertaken, in accordance with the plan, to confirm the noise criteria is being achieved.

#### 5.1.6 Transport Management Plan

The Transport Management Plan includes all the information required by the conditions of the Project Approval and has been approved by DP&E. Site observations in relation to transport management included road signs (see Figure 5-2) and driver's code of conduct induction records which indicated that the management measures are being implemented and are effective.

RMS suggested inclusion of the following in the Code of Conduct:

- Safety initiatives for haulage through residential areas and/or school zones
- An induction process for vehicle operators and regular toolbox meetings
- A complaint resolution and disciplinary procedure
- Any community consultation measures for peak haulage periods.

**Recommendation:** Update the Driver's Code of Conduct in accordance with RMS suggestions, where relevant.





Figure 5-2 Traffic control signs

#### 5.1.7 Waste Management Plan

The Waste Management Plan includes all the information required by the conditions of the Project Approval and has been approved by DP&E. It was reported by Champions Quarry that the mitigation measures from the plan are implemented but no waste was observed during the site visit.

The management measures appear to be being implemented and effective.

#### 5.1.8 Water Management Plan

The Water Management Plan includes all the information required by the conditions of the Project Approval and has been approved by DP&E. Observations onsite indicate sediment and erosion controls are being implemented.

There are various basins, including the Water Reuse Dam which is licenced by the EPL. All basins contained water and it was reported that the water is used, primarily for dust control. No discharge from the Water Reuse Dam was reported.

No groundwater seepage was observed and is unlikely given the current depth of the quarry and the groundwater level.

The Water Management Plan provides indicative basin sizes for a range of catchment areas but there is conflicting information provided on the design criteria and how these were calculated. The Water Management Plan mentions both the 95<sup>th</sup> and 80<sup>th</sup> percentile, 5-day rainfall depth have been used to calculate basin sizes. The calculations in Annexure A use the 80<sup>th</sup> percentile with a design rainfall event of 35.3 mm and this has been used to extrapolate the basin sizes for the different catchment sizes. The EPL requires the capture and treatment of 60.2 mm. It appears the Water Reuse Basin has sufficient capacity to manage the current area of disturbance but the calculations should be checked to ensure it will continue to have sufficient capacity to manage runoff, in accordance with the EPL requirements, as the quarry expands.

Although it was reported that there has been no discharges from the site due to the Water Reuse Dam providing excess capacity, the understanding of the use and maintenance requirements of sediment basins could be improved to ensure compliance with the EPL.



In addition, some improvements could be made, for example, to the use of check dams in drains next to access roads to prevent scouring.

**Recommendation:** Review the sediment basin calculations to ensure they are in accordance with *Managing Urban Stormwater Soils and Construction – Volume 2e Mines and quarries* (DECC, 2008) and EPL.

**Recommendation:** Develop and implement a procedure to record that sediment basins are monitored and maintained appropriately



Figure 5-3      Water Reuse Dam

## 6. Recommendations

### 6.1 Corrective Actions

The corrective actions identified during the audit, as detailed in Appendix A, are summarised in Table 6-1.

Table 6-1 Corrective actions

No.	Condition	Corrective Action
CAR 1	Project Approval, Schedule 2, Condition 12	Seal the access road between CEA and SEA. Alternatively, seek a modification to the Project Approval that removes the requirement.
CAR 2	Project Approval, Schedule 3, Condition 18	Submit a modification to address the inconsistencies with the LMP and Project Approval so the LMP can be approved and then obtain confirmation that the construction of the bunds are to the satisfaction of DP&E
CAR 3	Project Approval, Schedule 3, Condition 19	Submit a modification to address the inconsistencies with the LMP and Project Approval so the LMP can be approved and then obtain confirmation that the vegetated screening along the access road is established to the satisfaction of DP&E
CAR 4	Project Approval, Schedule 3, Condition 35	Obtain confirmation that DP&E are satisfied with the sub-surface archaeological investigations.
CAR 5	Project Approval, Schedule 3, Condition 40	Ensure conditions on the ground are consistent with the approved offset areas. Alternatively, seek a modification to the Project Approval so the offset areas are consistent with those on the ground.
CAR 6	Project Approval, Schedule 3, Condition 42	Finalise the conservation agreement for the offset areas or seek a further extension of the deadline from DP&E.
CAR 7	Project Approval, Schedule 3, Condition 45	Submit a modification to address the inconsistencies with the LMP and Project Approval so the LMP can be approved
CAR 8	Project Approval, Schedule 3, Condition 46	Submit a modification to address the inconsistencies with the LMP and Project Approval so the LMP can be approved and then lodge the Conservation and Rehabilitation Bond
CAR 9	EPL O4.3	Install a sediment basin marker that indicates the sediment storage zone or obtain confirmation from EPA that the pipes are a suitable alternative.
CAR 10	EPL M7.1	Confirm with EPA they are satisfied with the revised noise monitoring location.

### 6.2 Recommendations

The recommendations arising from the audit are summarised in Table 6-2.

Table 6-2 Recommendations

No.	Condition	Recommendation
R1	Project Approval, Schedule 2, Condition 7	Survey the quarry floor on a periodic basis to demonstrate compliance.
R2	Project Approval, Schedule 2, Condition 9	Monitor and record the date, number and time of truck movements from the site to demonstrate compliance.
R3	Project Approval, Schedule 2, Condition 17	Maintain plant maintenance logs and daily start checklists.
R4	Project Approval, Schedule 3, Condition 5	Undertake noise monitoring at receiver locations 1, 4 and 5 during suitable weather conditions to demonstrate compliance with noise criteria at nominated receivers.
R5	EPL L1.2	Develop and implement a procedure to record sediment basins discharges
R6	EPL O4.4	Develop and implement a procedure to record that sediment basins are monitored and maintained appropriately
R7	EPL O4.8	Develop and implement a procedure to record that sediment basins are monitored and maintained appropriately
R8	Transport Management Plan	Update the Drivers Code of Conduct in accordance with RMS suggestions, where relevant.
R9	Water Management Plan	Review the sediment basin calculations to ensure they are in accordance with Managing Urban Stormwater Soils and Construction – Volume 2e Mines and quarries (DECC, 2008) and EPL
R10	Water Management Plan	Develop and implement a procedure to record that sediment basins are monitored and maintained appropriately

## Appendices

# Appendix A – Audit Checklist

Table A-6-1 Compliance with Project Approval 09\_0080 - Schedule 2

Number	Condition	Compliance	Evidence	Comments
<b>OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT</b>				
1	In addition to meeting the specific performance criteria established under this approval, the Proponent 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 project	Administrative Non-compliant	Refer below	Champions Quarry (CQ) have implemented measures to prevent and/or minimise harm to the environment, although there are some areas where there is opportunity for improvement, as discussed in the following tables.
<b>TERMS OF APPROVAL</b>				
2	The Proponent shall carry out the project generally in accordance with the: (a) EA; (b) statement of commitments; (c) modification application (09_0080 Mod 1) with supporting correspondence dated 18, 22 and 25 March 2013; and (d) conditions of approval. Notes: The general layout of the project is shown in Appendix 2; and The statement of commitments is reproduced in Appendix 3.	Administrative Non-compliant	Refer below	The extent of conformance with this condition is assessed by this audit. As outlined, CQ demonstrated a high level of compliance, although there are some areas where there is opportunity for improvement, as discussed in the following tables.  Schedule 3 indicates the extraction area and Biodiversity Offset Areas have been surveyed and marked. The dams, roads, bunds and revegetation areas appeared to be consistent with the plans in Appendix 2. Survey pegs were observed delineating the boundary of the extraction and Biodiversity Offset areas.
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 approval shall prevail to the extent of any inconsistency.	Not triggered		No inconsistency between the nominated documents has been identified.
4	The Proponent 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 approval; and (b) the implementation of any actions or measures contained in these documents.	Not triggered		The DG has not specified any additional requirements for the project.

Number	Condition	Compliance	Evidence	Comments
<b>SUBDIVISION</b>				
5	The Proponent may subdivide the land on site generally in accordance with the subdivision plan shown in Appendix 4. Prior to obtaining a subdivision certificate, the Proponent shall prepare a final subdivision plan for the land to the satisfaction of the Director-General.	Compliant	Email to DP&E dated 25 March 2013 Email from DP&E dated 26 March 2013 Notice of Modification (09_0080 Mod 1) including new Figure 6 in Appendix 4 Registered Plan of Subdivision being Lot 5 on DP 1191905	On 25 March 2013 CQ emailed DP&E a copy of the final plan of subdivision. On 26 March 2013 by email, DP&E confirmed acceptance of the plan of subdivision. Amended by virtue of Notice of Modification (09_0080 Mod 1) Schedule 2 Condition 2 (shown in underline). Notice of Modification (09_0080 Mod 1) Schedule 2 Condition 6 deleted Figure 6 in Appendix 4 of the Project Approval and replaced with new plan of subdivision. New Subdivision Plan was registered and referred to as Lot 5 on DP1191905.
<b>LIMITS ON APPROVAL</b>				
<b>Quarrying Operations</b>				
6	The Proponent may carry out quarrying operations on the site until 31 December 2038. Note: Under this approval, the Proponent is required to rehabilitate the site and carry out additional undertakings to the satisfaction of the Director-General. Consequently, this approval 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.	Compliant		Quarrying operations on the site were occurring within the allowed period.
<b>Extractive Material Extraction</b>				
7	The Proponent shall not carry out quarrying operations below a level of 12 m AHD in the Central Extraction Area and 8 m AHD in the Southern Extraction Area. Note: This condition does not apply to the construction of any bores approved by NOW or pollution and sediment control structures described in the EA.	Not verified	<ul style="list-style-type: none"> <li>Letter from Ausrocks Pty Ltd dated 20 June 2014 confirming that as at November 2013 the CEA</li> </ul>	<u>SEA AHD Floor Levels</u> CQ advised that current AHD floor levels in the SEA have not been measured as the only area being extracted in the SEA currently in Progression 1 of the Western Quadrant of the SEA. This area is well in excess of 20m above the floor level in the CEA.

Number	Condition	Compliance	Evidence	Comments
			<p>floor was 10-12.5 AHD.</p> <ul style="list-style-type: none"> <li>• Filenote of telephone conversation with DP&amp;E dated 26 June 2014.</li> </ul>	<p><u>CEA AHD Floor Levels</u></p> <p>The floor levels were inspected on 13 November 2013 by Ausrocks Consultants and varied from 10-12.5 metres AHD. CQ advised that these levels were attained under the LCC Approval, which did not provide any restrictions to the CEA AHD Floor Levels.</p> <p>Filenote of telephone conversation with DP&amp;E dated 26 June 2014 indicated DP&amp;E advised that any lowering of the CEA floor below 12m AHD prior to surrendering the LCC Approval was permissible as done under LCC Approval.</p> <p>CQ advised that that no reduction to the CEA AHD Floor Levels has occurred since July 2014, except for the purposes of drainage and sedimentation control (as permitted under the Project Approval). However this could not be verified as the floor levels have not been surveyed.</p> <p><b>Recommendation:</b> Survey the quarry floor on a periodic basis to demonstrate compliance.</p>
8	The Proponent shall not extract more than 250,000 tonnes of extractive materials from the site in any calendar year.	Compliant	<p>CQ quarterly report for October – December 2012.</p> <p>CQ quarterly reports for January – December 2013.</p> <p>CQ quarterly reports for January – December 2014.</p> <p>CQ quarterly reports for January – June 2015.</p>	<p>250,000 tonnes per calendar year have not been exceeded. Records indicate:</p> <ul style="list-style-type: none"> <li>• 1 October 2012 – 31 December 2012 – 7,139.92 tonnes.</li> <li>• 1 January 2013 – 31 December 2013 – 21,681.04 tonnes.</li> <li>• 1 January 2014 – 31 December 2014 – 12,000.71 tonnes.</li> <li>• 1 January 2015 – 30 June 2015 – 22,272.32 tonnes.</li> </ul>
Extractive Material Transport				



Number	Condition	Compliance	Evidence	Comments
9	The Proponent shall not: (a) transport more than 250,000 tonnes of extractive material from the site in any calendar year; (a1) transport more than 100,000 tonnes of extractive material from the site in any calendar year without having first installed a weighbridge; (b) dispatch more than 50 laden trucks from the site on any day; or (c) dispatch more than 5 laden trucks from the site in any hour.	Not verified	Nil	<p>Amended by virtue of Notice of Modification (09_0080 Mod 1) Schedule 2 Condition 3 (shown in underline).</p> <p>Schedule 2, Condition 8 above lists the amount of material sold/transported in any calendar year. 100,000 tonnes has not been exceeded in any calendar year.</p> <p>CQ did not maintain records relating to truck movements from the site however they reported that:</p> <ul style="list-style-type: none"> <li>50 laden trucks have not left the site in any one day.</li> <li>The Site Foreman monitors the hourly and daily truck movements from the site and staggers trucks throughout the day.</li> </ul> <p><b>Recommendation:</b> Monitor and record the date, number and time of truck movements from the site to demonstrate compliance.</p>
10	The Proponent may only transport extractive material from the site on the designated haulage routes, except in circumstances where the final destination of the transported quarry products can only be accessed by other roads.	Compliant	Drivers Code of Conduct Dates the Drivers Code of Conduct was emailed to regular transport contractor	<p>Drivers are advised of haulage routes in the Drivers Code of Conduct which forms part of the Transport Management Plan.</p> <p>Signage onsite directing drivers to collect a copy of the Drivers Code of Conduct from Site Office.</p> <p>Site Office has copies of Code.</p> <p>Regular transport contractors are emailed a copy of the Code to give to their drivers.</p>
<b>On-site Roads</b>				
11	With the exception of vehicle movements required to construct Bund A or movements of light vehicles used by quarry employees who live on Hazlemount Lane, quarry-related vehicles are not permitted to use the unsealed 'farm road' that connects the Central Extraction Area to Hazlemount Lane, or enter or exit the site from Hazlemount Lane.	Compliant	Observation	Farm road that connects the CEA to Hazlemount Lane is now closed. Further, the Water Reuse Dam intersects the road so that it is impassable and the site cannot be accessed by this farm road.

Number	Condition	Compliance	Evidence	Comments
12	Within 6 months of the commencement of extraction activities within the Southern Extraction Area, the Proponent must seal the internal haul road that connects the Southern and Central Extraction Areas, to the satisfaction of the Director-General.	Non-compliant	Letter from DP&E dated 13 January 2015	<p>The haul road has not been sealed.</p> <p>It is noted however that on 28 November 2014, CQ requested amendment with DP&amp;E to remove the requirement to seal the internal haul road connecting the CEA and SEA.</p> <p>On 13 January 2015 DP&amp;E advised that they could see little benefit in sealing the internal haul road linking the CEA and SEA and that watering the road at a rate of 2L/m2/hour as required would suffice.</p> <p>CQ advised that an amendment will be lodged following finalisation of the IEA and associated recommendations.</p> <p><b>Corrective action:</b> Seal the access road between CEA and SEA. Alternatively, seek a modification to the Project Approval that removes the requirement.</p>
<b>SURRENDER OF CONSENTS</b>				
13	<p>By the end of June 2014, or as otherwise agreed by the Director-General, the Proponent shall surrender the development consent (DA 2005/999) for existing operations on the site in accordance with Section 104A of the EP&amp;A Act.</p> <p>Note: The conditions or other requirements of this project approval do not prevent the continued carrying out of development which may be undertaken pursuant to DA 2005/999, prior to the surrender of that consent.</p>	Compliant	<p>Letter from DP&amp;E dated 28 October 2013 – granting an extension to 31 March 2014</p> <p>Letter from DP&amp;E dated 18 March 2014 – granting an extension to 30 June 2014</p> <p>Email from DP&amp;E dated 27 June 2014 – granting extension to 2</p>	<p>Surrender was extended to 4 July 2014. This was confirmed in a letter from LCC dated 17 December 2014.</p> <p>DP&amp;E confirmed extensions as follows:</p> <ul style="list-style-type: none"> <li>• 28 October 2013 – granted an extension to 31 March 2014;</li> <li>• 18 March 2014 – granted an extension to 30 June 2014;</li> <li>• 27 June 2014 – granting an extension to 2 July 2014;</li> </ul> <p>It was reported that verbal approval of an extension from 2 July 2014 until 4 July 2014 was granted by DP&amp;E on or about 2 July 2014.</p>

Number	Condition	Compliance	Evidence	Comments
			<p>July 2014 Email from DP&amp;E dated 2 July 2014 confirming CQ is in a position to surrender LCC Approval.</p> <p>Letter from LCC dated 17 December 2014 – confirming DA 2005/999 was surrendered on 4 July 2014</p>	
<b>STRUCTURAL ADEQUACY</b>				
14	<p>The Proponent 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.</p> <p>Notes: Under Part 4A of the EP&amp;A Act, the Proponent is required to obtain construction and occupation certificates for the proposed building works. Part 8 of the EP&amp;A Regulation sets out the requirements for the certification of the project.</p>	Not triggered		No new buildings/structures onsite.
<b>DEMOLITION</b>				
15	The Proponent shall ensure that all demolition work on site is carried out in accordance with AS 2601-2001: The Demolition of Structures, or its latest version.	Not triggered	Nil.	No demolition carried out onsite.
<b>PROTECTION OF PUBLIC INFRASTRUCTURE</b>				
16	<p>The Proponent shall:</p> <p>(a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the project; and</p> <p>(b) relocate, or pay the full costs associated with</p>	Not triggered	Nil.	No damage or relocation of public infrastructure has resulted from the project.

Number	Condition	Compliance	Evidence	Comments
	relocating, any public infrastructure that needs to be relocated as a result of the project.			
<b>OPERATION OF PLANT AND EQUIPMENT</b>				
17	<p>The Proponent shall ensure that all plant and equipment used at the site is:</p> <p>(a) maintained in a proper and efficient condition; and</p> <p>(b) operated in a proper and efficient manner.</p>	Not verified	<p>Drivers Code of Conduct</p> <p>Observation</p>	<p>Observations suggested that plant and equipment was maintained in a proper and efficient condition and operated in a proper and efficient manner.</p> <p>CQ advised that:</p> <ul style="list-style-type: none"> <li>• One of the operators is a mechanic and it appears all equipment is well maintained.</li> <li>• Maintenance of plant and equipment is be ongoing.</li> <li>• Employees are either already competent in the proper and efficient use of plant and equipment or receive onsite training.</li> <li>• Regular toolbox talks are carried out by the Production Manager and/or Site Foreman with respect of proper and efficient use of plant and equipment.</li> <li>• Plant operation is covered in the Drivers Code of Conduct</li> </ul> <p><b>Recommendation:</b> Maintain plant maintenance logs and daily start checklists.</p>
<b>STAGED SUBMISSION OF ANY STRATEGY, PLAN OR PROGRAM</b>				
18	<p>With the approval of the Director-General, the Proponent may submit any strategy, plan or program required by this approval on a progressive basis.</p> <p>Notes:</p> <p>While any strategy, plan or program may be submitted on a progressive basis, the Proponent will need to ensure that the existing operations on site are covered by suitable strategies, plans or programs at all times; and</p> <p>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</p>	Not triggered		<p>The proponent has not submitted any strategy, plan or program required by this approval on a progressive basis.</p>

Number	Condition	Compliance	Evidence	Comments
	strategy, plan or program.			
<b>PRODUCTION DATA</b>				
<b>19</b>	The Proponent 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).	Not triggered		At this stage no annual data has been submitted to DRE. Annual Production Data aligns with the financial year and will be lodged with DRE at the closure of the 2014/2015 financial year and included in the 2016 Annual Review.

Table A-1-2 Compliance with Project Approval 09\_0080 - Schedule 3

Number	Condition	Compliance	Evidence	Comments
<b>IDENTIFICATION OF APPROVED LIMITS OF EXTRACTION</b>				
1.	<p>Prior to carrying out quarrying operations under this approval, the Proponent shall:</p> <p>(a) engage a registered surveyor to mark out the boundaries of the approved limits of extraction within the Southern and Central Extraction Areas; and</p> <p>(b) submit a survey plan of these boundaries to the Director-General.</p>	Compliant	<ul style="list-style-type: none"> <li>Letter from DP&amp;E dated 28 October 2013 – granting consent to survey and submit the plans by way of staging</li> <li>Email to DP&amp;E dated 30 June 2014 attaching letter from Riordans Surveyors and a copy of the survey plan of boundaries of CEA and western quadrant of SEA.</li> <li>Survey pegs marking out the boundaries of the extraction areas</li> </ul>	<p>CQ received approval from DP&amp;I pursuant to Schedule 2, Condition 18 on 28 October 2013 for staged surveying of boundaries. Under the staged approval initially the CEA and Stage 1 of SEA (Western Quadrant of SEA) will be pegged and survey plan prepared.</p> <p>Areas have been pegged and survey plan prepared and a copy of the survey plan of the boundaries has been submitted to the DG on 30 June 2014 prior to commencing operations under the Part 3A Approval on 5 July 2015.</p>
2.	<p>While ever quarrying operations are being carried out, the Proponent shall ensure that these boundaries are clearly marked at all times in a permanent manner that allows operating staff and inspecting officers to clearly identify the limits of extraction within the Southern and Central Extraction Areas.</p>	Compliant	<ul style="list-style-type: none"> <li>Letter from Riordans Surveyors dated 27 June 2014 confirming areas marked.</li> <li>Survey pegs marking out the boundaries of the extraction areas</li> </ul>	<p>Areas of CEA and Stage 1 of SEA (Western Quadrant of SEA) have been pegged/marked.</p>

Number	Condition	Compliance	Evidence	Comments								
NOISE												
Bund Construction												
3.	<p>The Proponent shall construct:</p> <ul style="list-style-type: none"><li>Bund A prior to carrying out any quarrying operations on site under this approval; and</li><li>Bund D prior to carrying out any quarrying operations within the Southern Extraction Area, to the satisfaction of the Director-General.</li></ul> <p><i>Note: Bund A and Bund D are shown on the project layout plans in Appendix 2.</i></p>	Compliant	<ul style="list-style-type: none"><li>Bunds observed</li><li>Photos taken onsite on 24 June 2014 and provided to DP&amp;E by email dated 30 June 2014.</li><li>Email from DP&amp;E dated 2 July 2014 confirming CQ is in a position to surrender LCC Approval.</li></ul>	<p>Bund A – Constructed and grassed prior to 30 June 2014.</p> <p>Bund D – Constructed and grassed prior to 30 June 2014.</p> <p>Bunds A and D are planted in accordance with the Landscape Management Plan.</p>								
Noise Criteria – Project Construction												
4.	<p>During periods in which Bunds A, C (stage 3 only) and D and the water re-use and water supply dams are being actively constructed, the Proponent shall ensure that the noise generated on site does not exceed the criteria in Table 1 at any residence on privately-owned land.</p> <p><i>Table 1: Noise Criteria - Construction</i></p> <table><tr><th>Receiver</th><th>LAeq (15 min) dB(A)</th></tr><tr><td>NAL 1, NAL 4 and NAL 5</td><td>45</td></tr><tr><td>NAL 2, NAL 2A, NAL 3 and privately-owned land along the southern end of Hazelmount Lane</td><td>42</td></tr><tr><td>All other receivers</td><td>40</td></tr></table> <p>Notes:</p> <ul style="list-style-type: none"><li>Receiver locations are shown in Appendix 1.</li><li>Noise generated by the project is to be measured in accordance with the relevant procedures and exemptions (including certain meteorological conditions) of the NSW Industrial Noise Policy.</li></ul>	Receiver	LAeq (15 min) dB(A)	NAL 1, NAL 4 and NAL 5	45	NAL 2, NAL 2A, NAL 3 and privately-owned land along the southern end of Hazelmount Lane	42	All other receivers	40	Not triggered	Nil.	Bunds A, C and D constructed prior to approval acted upon
Receiver	LAeq (15 min) dB(A)											
NAL 1, NAL 4 and NAL 5	45											
NAL 2, NAL 2A, NAL 3 and privately-owned land along the southern end of Hazelmount Lane	42											
All other receivers	40											
Noise Criteria												

Number	Condition	Compliance	Evidence	Comments												
5.	<p>Except for times during which Bunds A, C (stage 3 only) and D and the water re-use and water supply dams are being actively constructed, the Proponent shall ensure that the noise generated on site does not exceed the criteria in Table 2 at any residence on privately-owned land.</p> <p><i>Table 2: Noise Criteria</i></p> <table><tr><th>Receiver</th><th>LAeq (15 min) dB(A)</th></tr><tr><td>NAL 4 and NAL 5</td><td>38</td></tr><tr><td>NAL 2, NAL 2A, NAL 3 and privately-owned land along the southern end of Hazelmount Lane</td><td>37</td></tr><tr><td>All other receivers</td><td>35</td></tr></table> <p><i>Notes:</i></p> <ul style="list-style-type: none"><li>Receiver locations are shown in Appendix 1.</li><li>Noise generated by the site is to be measured in accordance with the relevant requirements and exemptions (including certain meteorological conditions) of the NSW Industrial Noise Policy.</li></ul> <p>However, these criteria do not apply if the Proponent has a written agreement with the relevant landowner to exceed the criteria, and the Proponent has advised the Department in writing of the terms of this agreement.</p>	Receiver	LAeq (15 min) dB(A)	NAL 4 and NAL 5	38	NAL 2, NAL 2A, NAL 3 and privately-owned land along the southern end of Hazelmount Lane	37	All other receivers	35	Not verified	Noise monitoring results	<p>Monitoring of noise indicates compliance at NAL 2 and 3 but exceedance at NAL 1, 4 and 5. However, it was reported that the weather conditions were inappropriate during monitoring at NAL 1, 4 and 5.</p> <p><b>Recommendation:</b> Undertake noise monitoring at receiver locations 1, 4 and 5 during suitable weather conditions to demonstrate compliance with noise criteria at nominated receivers.</p>				
Receiver	LAeq (15 min) dB(A)															
NAL 4 and NAL 5	38															
NAL 2, NAL 2A, NAL 3 and privately-owned land along the southern end of Hazelmount Lane	37															
All other receivers	35															
Hours of Operation																
6.	<p>The Proponent shall comply with the operating hours in Table 3.</p> <p><i>Table 3: Operating Hours</i></p> <table><tr><th>Day</th><th>Construction</th><th>Rock Hammer Operations</th><th>All Other Quarrying Operations (including site truck movements)</th></tr><tr><td>Monday – Friday</td><td>7 am to 6 pm</td><td>9 am to 12 pm and 2 pm to 4 pm</td><td>7 am to 6 pm</td></tr><tr><td>Saturday</td><td>8 am to 1 pm</td><td>None</td><td>8 am to 1 pm</td></tr></table>	Day	Construction	Rock Hammer Operations	All Other Quarrying Operations (including site truck movements)	Monday – Friday	7 am to 6 pm	9 am to 12 pm and 2 pm to 4 pm	7 am to 6 pm	Saturday	8 am to 1 pm	None	8 am to 1 pm	Compliant	Nil.	<p>CQ reported that:</p> <ul style="list-style-type: none"><li>All employees are advised of the operating hours in the Employees Code of Conduct.</li><li>Generally all orders and collections are by appointment only.</li><li>Quarry gates are locked outside operating hours.</li></ul>
Day	Construction	Rock Hammer Operations	All Other Quarrying Operations (including site truck movements)													
Monday – Friday	7 am to 6 pm	9 am to 12 pm and 2 pm to 4 pm	7 am to 6 pm													
Saturday	8 am to 1 pm	None	8 am to 1 pm													



Number	Condition				Compliance	Evidence	Comments
	Sundays and Public Holidays	None	None	None			
	Note: Maintenance activities may occur at any time provided they are inaudible at privately-owned residences.						
Blasting							
7.	The Proponent shall not carry out any blasting on the site.				Compliant	Nil.	CQ reported that blasting has never occurred onsite.
Operating Conditions							
8.	The Proponent shall:				Compliant		
	(a) implement best practice noise management to minimise the construction, operational and traffic noise of the project;					<ul style="list-style-type: none"><li>Observation</li><li>Noise Management Plan</li></ul>	The noise bunds were observed and CQ suggest noise management is implemented onsite and is included in the Noise Management Plan
	(b) minimise the noise impacts of the project during meteorological conditions when the noise limits in this approval do not apply;					Noise Management Plan.	This requirement is in the Noise Management Plan, section 7.4 and CQ report compliance
	(c) maintain the effectiveness of any noise suppression equipment on plant at all times and ensure defective plant is not used operationally until fully repaired; and					Observation	CQ reportedly employ their own mechanic to maintain plant and equipment.
	(d) regularly assess noise monitoring data and relocate, modify, and/or stop operations on site to ensure compliance with the relevant conditions of this approval, to the satisfaction of the Director-General.					<ul style="list-style-type: none"><li>CQ Part 3A Complaints Register (as displayed on website).</li><li>CQ Noise Operational/Back ground Test – Field Sheet (Updated 26 June 2015) – BLANK.</li><li>CQ Noise Operational/Back ground Test – Results Sheet (Updated 26 June 2015) – BLANK.</li></ul>	CQ reported that: <ul style="list-style-type: none"><li>There were 3 complaints since CQ handed in the LCC Approval and commenced extracting under the Part 3A. Refer to the CQ Part 3A Complaints Register. One of the complaints was reported to DP&amp;E as non-legitimate. Noise testing was carried out in response to the other two.</li><li>A copy of all completed field sheets are available for inspection along with the noise monitor data/results.</li><li>If a complaint occurred and CQ was unable to immediately conduct a noise test then CQ would instruct its staff to cease carrying out the likely source of the noise until testing could be conducted (ie complaint on 5 March 2015).</li><li>Production Manager and Site Foreman meet onsite daily to assess weather conditions and</li></ul>

Number	Condition	Compliance	Evidence	Comments
			<ul style="list-style-type: none"> <li>• CQ Noise Operational/Back ground Test – Results Sheet (Updated 26 June 2015) – COMPLETED 6 MARCH 2015.</li> <li>• CQ Noise Monitoring Results Summary (as displayed on website).</li> <li>• CQ Noise Monitoring Results Overview.</li> </ul>	daily operations and adjust operations as necessary.
<b>Noise Management Plan</b>				
9.	The Proponent shall prepare and implement a Noise Management Plan for the project to the satisfaction of the Director-General. This plan must:	Compliant	<ul style="list-style-type: none"> <li>• Noise Management Plan Version 1.2 (May 2014).</li> <li>• Letter from DP&amp;E dated 19 June 2014 approving the plan.</li> </ul>	<p>Noise Management Plan Version 1.2 (May 2014) was approved by DP&amp;E on 19 June 2014.</p> <p>Noise bunds were observed and noise monitoring has been carried out, although there have been some issues with the noise loggers and access to the receivers.</p>
	(a) be prepared in consultation with the EPA, and submitted to the Director-General for approval prior to the construction of Bund A and/or Bund D;		<ul style="list-style-type: none"> <li>• Champions Quarry Construction Time for Bund A</li> <li>• Email to EPA dated 25 September 2013 attaching Noise Management Plan Version 1.0 (September 2013)</li> <li>• Email from EPA</li> </ul>	<p>CQ reported that:</p> <ul style="list-style-type: none"> <li>• Bund A construction commenced on 22 November 2013. This was prior to Bund D's construction.</li> <li>• The Noise Management Plan Version 1.0 (September 2013) was submitted to the EPA for comment on 25 September 2013.</li> <li>• EPA confirmed by email dated 23 October 2013 that they had reviewed the Noise Management Plan Version 1.0 (September 2013).</li> <li>• The Noise Management Plan Version 1.0 (September 2013) was submitted to DP&amp;E on 1</li> </ul>

Number	Condition	Compliance	Evidence	Comments
			dated 23 October 2013 confirming the plan had been reviewed • Email to DP&E dated 1 November 2013 attaching plan	November 2013.
	(b) describe the measures that would be implemented to ensure:			
	• best management practice is being employed on site;		Noise Management Plan	The Noise Management Plan adopts best practices throughout.
	• the noise impacts of the project are minimised during any meteorological conditions when the noise limits in this approval do not apply; and		Noise Management Plan	Section 7.5 in the Noise Management Plan.
	• compliance with the relevant conditions of this approval;		Noise Management Plan	Sections 5.1 and 6.2 in the Noise Management Plan.
	(c) describe the proposed noise management system in detail; and		Noise Management Plan	Chapters 5, 6, 7 and 8 in the Noise Management Plan.
	(d) include a monitoring program that:			
	• is capable of regularly evaluating the performance of the project, including individual items of plant such as the rock hammer and rock saw;		Noise Management Plan	Chapters 7 and 8 in the Noise Management Plan.
	• includes a protocol for determining exceedances of the relevant conditions in this approval; and		Noise Management Plan	Section 8.2 in the Noise Management Plan.
	• evaluates and reports on the effectiveness of the noise management system on site.		Noise Management Plan	Chapter 8 in the Noise Management Plan.
<b>AIR QUALITY</b>				
<b>Air Quality Criteria</b>				
10.	The Proponent shall ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated on site do not exceed the criteria in Tables 4 to 6 at any residence on privately-owned land, or on more than 25% of any privately-owned land. <i>Table 4: Long-Term Impact Assessment Criteria for Particulate Matter</i>	Compliant	Air quality monitoring results	Monitoring is carried out in accordance with the Air Quality Management Plan. This only requires monitoring of dust deposition. TSP and PM10 are to be monitored in the event of regular exceedances of the dust deposition criteria.

Number	Condition			Compliance	Evidence	Comments
	<b>Pollutant</b>		<b>Averaging period</b>	<b>Criterion</b>		
	Total suspended particulates (TSP)		Annual	a 90 µg/m3		
	Particulate matter < 10 µm (PM10)		Annual	a 30 µg/m3		
	Table 5: Short Term Impact Assessment Criteria for Particulate Matter					
	<b>Pollutant</b>		<b>Averaging period</b>	<b>Criterion</b>		
	Particulate matter < 10 µm (PM10)		24 hour	a 50 µg/m3		
	Table 6: Long-Term Impact Assessment Criteria for Deposited Dust					
	<b>Pollutant</b>	<b>Averaging period</b>	<b>Maximum increase in deposited dust level</b>	<b>Maximum total deposited dust level</b>		
	c Deposited dust	Annual	b 2 g/m2/month	a 4 g/m2/month		
	Notes to Tables 4-6: a Total impact (ie incremental increase in concentrations due to the project plus background concentrations due to all other sources); b Incremental impact (ie incremental increase in concentrations due to the project on its own); c Deposited dust is to be assessed as insoluble solids as defined by Standards Australia, AS/NZS3580.10.1:2003: 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.					
Operating Conditions						

Number	Condition	Compliance	Evidence	Comments
11.	The Proponent shall:	Compliant		
	(a) implement best management practice to minimise the dust emissions of the project;		Air Quality Management Plan	Measures contained within the approved Air Quality Management Plan generally appear to be implemented on site, including: <ul style="list-style-type: none"> <li>Sealing of access road</li> <li>Covering and revegetating stockpiles</li> </ul>
	(b) regularly assess air quality monitoring data and relocate, modify, and/or stop operations on site as may be required to ensure compliance with the relevant conditions of this approval;		<ul style="list-style-type: none"> <li>CQ Air Quality Test Dust Deposition Gauge – Field Sheet (Updated 16 October 2014) – BLANK.</li> <li>CQ Air Quality Test Dust Deposition Gauge – Field Sheet (Updated 16 October 2014) – COMPLETED – 3 March 2015- 31 March 2015 (including chain of custody documents).</li> <li>CQ Air Quality Test Dust Deposition Gauge – Field Sheet Results Overview.</li> <li>CQ Air Quality Monitoring Results Summary (as displayed on website).</li> </ul>	CQ reported that: <ul style="list-style-type: none"> <li>No complaints in relation to dust/air quality have been received since CQ handed in the LCC Approval and commenced extracting under the Part 3A .</li> <li>A dust deposition gauge is located at Receiver 2 and samples are collected and measured monthly as required under section 6.3 of the Air Quality Management Plan. To date there have not been an exceedances.</li> </ul>

Number	Condition	Compliance	Evidence	Comments
			<ul style="list-style-type: none"> <li>CQ Air Quality Monitoring Results Overview.</li> </ul>	
	(c) minimise the air quality impacts of the project during adverse meteorological conditions and extraordinary events (see Note d to Tables 4-6 above);		Air Quality Management Plan	Controls in sections 5, 6.2, 6.4, 7.3 and 7.4 of the Air Quality Management Plan.
	(d) minimise any visible off-site air pollution; and		<ul style="list-style-type: none"> <li>CQ Air Quality Test Dust Deposition Gauge – Field Sheet (Updated 16 October 2014) – BLANK.</li> <li>CQ Air Quality Test Dust Deposition Gauge – Field Sheet (Updated 16 October 2014) – COMPLETED – 3 March 2015- 31 March 2015 (including chain of custody documents).</li> <li>CQ Air Quality Test Dust Deposition Gauge – Field Sheet Results Overview.</li> <li>CQ Air Quality Monitoring Results Summary (as displayed on website).</li> <li>CQ Air Quality</li> </ul>	Controls in sections 5, 6.2 and 7.3 in the Air Quality Management Plan.

Number	Condition	Compliance	Evidence	Comments
			Monitoring Results Overview.	
	(e) minimise surface disturbance of the site, other than as permitted under this approval.		Air Quality Management Plan	Controls in chapter 5 in the Air Quality Management Plan. Observations on site indicate this is complied with.
Air Quality Management Plan				
12.	The Proponent shall prepare and implement an Air Quality Management Plan for the project to the satisfaction of the Director-General. This plan must:	Compliant	<ul style="list-style-type: none"><li>Air Quality Management Plan Version 1.1 (October 2013).</li><li>Letter from DP&amp;E dated 5 February 2014.</li></ul>	The Air Quality Management Plan Version 1.1 (October 2013) was approved by DP&E pursuant to the letter dated 5 February 2014. Measures observed to be implemented on site, included: <ul style="list-style-type: none"><li>Sealing of access road</li><li>Covering and revegetating stockpiles</li></ul>
	(a) be prepared in consultation with the EPA, and submitted to the Director-General for approval prior to the construction of Bund A and/or Bund D;		<ul style="list-style-type: none"><li>Email to EPA dated 19 July 2013.</li><li>Email from EPA dated 8 August 2013.</li><li>Email to EPA dated 9 August 2013.</li><li>Email from EPA dated 10 September 2013.</li><li>Email to EPA dated 11 September 2013.</li><li>Email to DP&amp;E on 12 September 2013.</li></ul>	CQ reported that: <ul style="list-style-type: none"><li>Bund A was constructed before Bund D.</li><li>Bund A construction commenced on 22 November 2013.</li><li>The plan was submitted to EPA for consultation purposes on 19 July 2013.</li><li>Some communications took place between the EPA and CQ in relation to the plan.</li><li>On 10 September 2013 EPA advised that they had no further comments on the plan.</li><li>The plan was submitted to the DP&amp;E on 12 September 2014.</li></ul>
	(b) describes the measures that would be implemented to ensure:			

Number	Condition	Compliance	Evidence	Comments
	<ul style="list-style-type: none"> <li>best management practice is employed;</li> </ul>		Air Quality Management Plan	The Air Quality Plan adopts best practices throughout.
	<ul style="list-style-type: none"> <li>the air quality impacts of the project are minimised during adverse meteorological conditions and extraordinary events; and</li> </ul>		Air Quality Management Plan	<ul style="list-style-type: none"> <li>Refer to sections 5, 6.2, 6.4, 7.3 and 7.4 in the Air Quality Management Plan.</li> <li>Refer to Table 5.1 in the Air Quality Management Plan.</li> </ul>
	<ul style="list-style-type: none"> <li>compliance with the relevant conditions of this approval;</li> </ul>		Air Quality Management Plan	The Air Quality Plan adopts the conditions of this approval.
	(c) describes the proposed air quality management system; and		Air Quality Management Plan	Refer to chapter 6 of the Air Quality Management Plan.
	(d) includes an air quality monitoring program that:		Air Quality Management Plan	Refer to chapter 6 of the Air Quality Management Plan.
	<ul style="list-style-type: none"> <li>is capable of evaluating the performance of the project;</li> </ul>		Air Quality Management Plan	
	<ul style="list-style-type: none"> <li>includes a protocol for determining any exceedances of the relevant conditions of approval;</li> </ul>		Air Quality Management Plan	
	<ul style="list-style-type: none"> <li>adequately supports the air quality management system; and</li> </ul>		Air Quality Management Plan	
	<ul style="list-style-type: none"> <li>evaluates and reports on the adequacy of the air quality management system.</li> </ul>		Air Quality Management Plan	
<b>SOIL &amp; WATER</b>				
<i>Note: The Proponent is required to obtain the necessary water licences for the project under the Water Act 1912 and/or the Water Management Act 2000.</i>				
<b>Surface Water Supply</b>				
13.	The Proponent shall ensure it has sufficient water during all stages of the project, and if necessary, adjust the scale of quarrying operations on site to match its available supply.	Compliant	Water Management Plan	Refer to section 6.6 in the Water Management Plan.
<b>Surface Water Discharges</b>				
14.	The Proponent shall ensure that all surface water discharges from the site comply with the discharge limits in any EPL which regulates water discharges from the site, or with section 120 of the POEO Act.	Compliant	Nil.	<ul style="list-style-type: none"> <li>Refer to Conditions 2 and 3 in the Environmental Protection Licence.</li> <li>Refer to section 6.3.2 in the Water Management Plan.</li> <li>There is only one surface water discharge point. This point is known as EPA Identification No. 1 in the Environmental Protection Licence and Monitoring Point 6 in the Water Management</li> </ul>



Number	Condition	Compliance	Evidence	Comments
				Plan. <ul style="list-style-type: none"> <li>CQ report that to date there has been no discharges, intentional or otherwise from this discharge point.</li> </ul>
<b>On-Site Sewage Management</b>				
15.	The Proponent shall manage on-site sewage to the satisfaction of Council and the EPA. The facility must comply with the requirements of the <i>Environment and Health Protection Guidelines – On-site Sewage Management for Single Households (1998)</i> , or latest version.	Not triggered	Nil.	There are currently no onsite sewerage facilities. CQ staff utilise amenities at an adjacent property.
<b>Storage of Chemicals &amp; Petroleum Products</b>				
16.	The Proponent shall ensure that all chemicals and/or petroleum products held on site in appropriately bunded areas with impervious flooring and of sufficient capacity to contain 110% of the largest container stored within the bund, and in accordance with Australian Standard AS1940-2004, <i>The Storage and Handling of Flammable and Combustible Liquids</i> . The flooring and bund(s) shall be designed in accordance with: <ul style="list-style-type: none"> <li>the requirements of relevant Australian Standards; and</li> <li>DECC's <i>Storing and Handling Liquids: Environmental Protection – Participants Manual</i>.</li> </ul>	Not triggered	Nil.	No chemicals and/or petroleum products held on site.  Liquid chemicals, fuels and oils are stored at a shed adjacent to the Premises (owned by a related party).
<b>Water Management Plan</b>				
17.	The Proponent shall prepare and implement a Water Management Plan for the project 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 prior to the construction of Bund A and/or Bund D.	Compliant	<ul style="list-style-type: none"> <li>Email from DP&amp;E dated 30 July 2013.</li> <li>Email to EPA dated 19 November 2013.</li> <li>Email to NOW dated 19 November 2013.</li> <li>Email from EPA dated 19 November 2013.</li> </ul>	CQ advised: <ul style="list-style-type: none"> <li>DP&amp;E approved Cath Champion to prepare the plan and have it peer reviewed by a suitably qualified and experienced person.</li> <li>The plan was submitted to EPA and NOW for consultation purposes on 19 November 2013.</li> <li>Water Management Plan Version 1.2 (May 2014) obtained interim approval from the DP&amp;E on 19 June 2014. This required an amended Water Management Plan be submitted to DP&amp;E by 30 October 2014.</li> <li>Several versions of the plan have been submitted to DP&amp;E. All versions were peer reviewed by Will Weir of ERM prior to submission.</li> <li>The most recent version of the Water</li> </ul>

Number	Condition	Compliance	Evidence	Comments
			<ul style="list-style-type: none"> <li>Email from NOW dated 18 December 2013.</li> <li>Email to DP&amp;E dated 12 February 2015.</li> <li>Observations</li> </ul>	<p>Management Plan submitted to DP&amp;E is the Water Management Plan Version 1.4 (January 2015)</p> <ul style="list-style-type: none"> <li>CQ awaits a response from DP&amp;E in order to finalise the plan and resubmit to DP&amp;E.</li> </ul> <p>Management measures observed on site included:</p> <ul style="list-style-type: none"> <li>Basins</li> <li>Diversion banks</li> <li>Clean water drains</li> <li>Revegetation</li> </ul>
	In addition to the standard requirements for management plans (see condition 3 of schedule 5), this plan must include a:			
	(a) Site Water Balance that:		Water Management Plan	
	<ul style="list-style-type: none"> <li>includes details of: <ul style="list-style-type: none"> <li>sources and security of water supply, including contingency planning for future reporting periods;</li> <li>water use on site;</li> <li>water management on site;</li> </ul> </li> <li>reporting procedures, including comparisons of the site water balance each calendar year; and</li> <li>describes the measures that would be implemented to minimise clean water use on site;</li> </ul>			<p>Refer to sections 6.2 and 6.6 in the Water Management Plan Version 1.4 (January 2015).</p> <p>Refer to section 6.1 and Table 6.1 in the Water Management Plan Version 1.4 (January 2015).</p> <p>Refer to section 6.3 in the Water Management Plan Version 1.4 (January 2015).</p> <p>Refer to section 6.4 in the Water Management Plan Version 1.4 (January 2015).</p> <p>Refer to section 6.5 in the Water Management Plan Version 1.4 (January 2015).</p>
	(b) Surface Water Management Plan, that includes:		Water Management Plan	
	<ul style="list-style-type: none"> <li>detailed baseline data on surface water flows and quality in the water-bodies that could be affected by the project;</li> <li>a detailed description of the surface water management system on site, including the: <ul style="list-style-type: none"> <li>clean water diversion systems;</li> <li>erosion and sediment controls; and</li> </ul> </li> </ul>			<p>Refer to section 7.2.1 in the Water Management Plan Version 1.4 (January 2015).</p> <p>Refer to chapter 6 in the Water Management Plan Version 1.4 (January 2015).</p> <p>Refer to sections 7.3 and 8.8 in the Water Management Plan Version 1.4 (January 2015).</p> <p>Refer to section 7.3 in the Water Management Plan Version 1.4 (January 2015).</p>

Number	Condition	Compliance	Evidence	Comments
	<ul style="list-style-type: none"> <li>○ water storages;</li> </ul>			Refer to section 6.2 in the Water Management Plan Version 1.4 (January 2015).
	<ul style="list-style-type: none"> <li>• a plan for extracting, handling, and emplacing any long-term potentially acid forming material identified on site;</li> </ul>			Refer to section 7.4 in the Water Management Plan Version 1.4 (January 2015).
	<ul style="list-style-type: none"> <li>• detailed plans, including design objectives and performance criteria, for:</li> </ul>			Nil.
	<ul style="list-style-type: none"> <li>○ the water storage dams;</li> </ul>			Refer to Figure 1.4 and sections 6.2.1, 6.2.2 in the Water Management Plan Version 1.4 (January 2015).
	<ul style="list-style-type: none"> <li>○ reinstatement of drainage lines on the rehabilitated areas of the site;</li> </ul>			Refer to Figures 1.4, 7.4 and 7.5 and section 7.6 in the Water Management Plan Version 1.4 (January 2015).
	<ul style="list-style-type: none"> <li>○ control of water pollution from rehabilitated areas of the site;</li> </ul>			Refer to Figure 1.4 and section 7.7 in the Water Management Plan Version 1.4 (January 2015).
	<ul style="list-style-type: none"> <li>• performance criteria, including trigger levels for investigating any potentially adverse impacts, for:</li> </ul>			Refer to chapter 7 in the Water Management Plan Version 1.4 (January 2015).
	<ul style="list-style-type: none"> <li>○ the water management system;</li> </ul>			<ul style="list-style-type: none"> <li>• Refer to section 7.1 and Table 7.1 in the Water Management Plan Version 1.4 (January 2015).– Specifically Monitoring Points 3-7.</li> <li>• Refer to section 7.2 and Table 7.2 in the Water Management Plan Version 1.4 (January 2015).</li> </ul>
	<ul style="list-style-type: none"> <li>○ surface water quality of local water ways and the Tuckean Swamp and associated wetland; and</li> </ul>			<ul style="list-style-type: none"> <li>• Refer to section 7.1 and Table 7.1 in the Water Management Plan Version 1.4 (January 2015).– Specifically Monitoring Points 1-3.</li> <li>• Refer to section 7.2 and Table 7.2 in the Water Management Plan Version 1.4 (January 2015).</li> <li>• Refer to section 9.1 in the Water Management Plan Version 1.4 (January 2015) – Specifically site inspections.</li> </ul>
	<ul style="list-style-type: none"> <li>○ ecosystem health of local water ways and the Tuckean Swamp and associated wetland;</li> </ul>			<ul style="list-style-type: none"> <li>• Refer to section 7.1 and Table 7.1 in the Water Management Plan Version 1.4 (January 2015) – Specifically Monitoring Points 1-3.</li> <li>• Refer to section 7.2 and Table 7.2 in the Water Management Plan Version 1.4 (January 2015).</li> <li>• Refer to section 9.1 in the Water Management Plan Version 1.4 (January 2015) – Specifically site inspections.</li> </ul>

Number	Condition	Compliance	Evidence	Comments
	<ul style="list-style-type: none"> <li>performance criteria for surface water quality attributes relevant to water quality impacts on biological diversity and aquatic ecological integrity, including salinity, heavy metals, sediment load, pH, hardness and biological oxygen demand;</li> </ul>			Refer to section 7.2 and Table 7.2 in the Water Management Plan Version 1.4 (January 2015).
	<ul style="list-style-type: none"> <li>a program to monitor: <ul style="list-style-type: none"> <li>the effectiveness of the water management system;</li> </ul> </li> </ul>			<ul style="list-style-type: none"> <li>Refer to section 7.1 and Table 7.1 in the Water Management Plan Version 1.4 (January 2015) – Specifically Monitoring Points 1-3.</li> <li>Refer to section 7.2 and Table 7.2 in the Water Management Plan Version 1.4 (January 2015).</li> <li>Refer to section 9.1 in the Water Management Plan Version 1.4 (January 2015) – Specifically site inspections.</li> </ul>
	<ul style="list-style-type: none"> <li>surface water flows and quality in local water ways and the Tuckean Swamp and associated wetland; and</li> </ul>			<ul style="list-style-type: none"> <li>Refer to section 7.1 and Table 7.1 in the Water Management Plan Version 1.4 (January 2015) – Specifically Monitoring Points 1-3.</li> <li>Refer to section 7.2 and Table 7.2 in the Water Management Plan Version 1.4 (January 2015).</li> <li>Refer to section 9.1 in the Water Management Plan Version 1.4 (January 2015) – Specifically site inspections.</li> </ul>
	<ul style="list-style-type: none"> <li>ecosystem health of local water ways and the Tuckean Swamp and associated wetland;</li> </ul>			<ul style="list-style-type: none"> <li>Refer to section 7.1 and Table 7.1 in the Water Management Plan Version 1.4 (January 2015) – Specifically Monitoring Points 1-3.</li> <li>Refer to section 7.2 and Table 7.2 in the Water Management Plan Version 1.4 (January 2015).</li> <li>Refer to section 9.1 in the Water Management Plan Version 1.4 (January 2015) – Specifically site inspections.</li> </ul>
	<ul style="list-style-type: none"> <li>a plan to respond to any exceedances of the performance criteria, and mitigate and/or offset any adverse surface water impacts of the project; and</li> </ul>			Refer to section 7.8 in the Water Management Plan Version 1.4 (January 2015).
	(c) Groundwater Management Plan, which includes:		Water Management Plan	Nil.
	<ul style="list-style-type: none"> <li>detailed baseline data on groundwater levels, yield and quality in the area, that could be affected by the project;</li> </ul>			Refer to sections 8.3 and 8.4 in the Water Management Plan Version 1.4 (January 2015).
	<ul style="list-style-type: none"> <li>a program to augment the baseline data of the Southern Extraction Area prior to the commencement of quarrying</li> </ul>			Refer to sections 8.1.3, 8.2 and 8.3 in the Water

Number	Condition	Compliance	Evidence	Comments
	operations in the area;			Management Plan Version 1.4 (January 2015).
	<ul style="list-style-type: none"><li>groundwater assessment criteria, including trigger levels for investigating any potentially adverse groundwater impacts;</li></ul>			Refer to section 8.3 and Table 8.4 in the Water Management Plan Version 1.4 (January 2015).
	<ul style="list-style-type: none"><li>a program to monitor:</li></ul>			Nil.
	<ul style="list-style-type: none"><li>groundwater inflows to the quarrying operations;</li></ul>			Refer to section 8.5 in the Water Management Plan Version 1.4 (January 2015).
	<ul style="list-style-type: none"><li>the impacts of the project on:</li></ul>			Nil.
	<ul style="list-style-type: none"><li>the local alluvial aquifer;</li></ul>			Refer to section 8.6 in the Water Management Plan Version 1.4 (January 2015).
	<ul style="list-style-type: none"><li>any groundwater bores on privately-owned land that could be affected by the project; and</li></ul>			Refer to section 8.7 in the Water Management Plan Version 1.4 (January 2015).
	<ul style="list-style-type: none"><li>groundwater dependent ecosystems;</li></ul>			Refer to section 8.8 in the Water Management Plan Version 1.4 (January 2015).
	<ul style="list-style-type: none"><li>seepage/leachate from water storages or backfilled voids on site;</li></ul>			Refer to section 8.9 in the Water Management Plan Version 1.4 (January 2015).
	<ul style="list-style-type: none"><li>any interaction between water from the re-use dam and the local aquifer identified within nearby alluvial sediments; and</li></ul>			Refer to section 8.10 in the Water Management Plan Version 1.4 (January 2015).
	<ul style="list-style-type: none"><li>a plan to respond to any exceedances of the groundwater assessment criteria;</li></ul>			Refer to section 8.11 in the Water Management Plan Version 1.4 (January 2015).
VISUAL				
Establishment of Effective Vegetative Screens				
18.	The Proponent shall vegetate (with grasses, native endemic shrubs and trees) bunds listed as A – F in the project layout plans in Appendix 2 as soon as practicable after the completion of the construction of the bunds, to the satisfaction of the Director-General.	Administrative non-compliance	Photos taken at 24 June 2014 and submitted to DP&E.  Observations	CQ report: <ul style="list-style-type: none"><li>As at 30 June 2014 Bunds A-E had been established and grassed.</li><li>To date, Bund F is not constructed or required to be constructed under the Landscape Management Plan.</li><li>In April 2015 Bunds A-D were planted with native endemic shrubs and trees.</li><li>DP&amp;E advised that there were some inconsistencies between the Landscape Management Plan Version 2.0 (February 2015) and</li></ul>

Number	Condition	Compliance	Evidence	Comments
				<p>the Project Approval. DP&amp;E recommended an amendment to the Project Approval be lodged with DP&amp;E and requested CQ advise of its intentions by 19 June 2015.</p> <ul style="list-style-type: none"> <li>• CQ advised DP&amp;E that they would review all conditions and lodge an amendment to the Project Approval following finalisation of the Independent Environmental Audit. This was confirmed by email to DP&amp;E dated 29 July 2015.</li> </ul> <p>DP&amp;E advised they are unable to approve the bunds and vegetation until the Landscape Management Plan has been amended and approved.</p> <p>Landscaping of the bunds and access road was observed.</p> <p><b>Corrective action:</b> Submit a modification to address the inconsistencies with the LMP and Project Approval so the LMP can be approved and then obtain confirmation that the construction of the bunds are to the satisfaction of DP&amp;E</p>
19.	<p>The Proponent shall not extract any material in the Southern Extraction Area beyond the area shown as Progression 1, as depicted in Figure 5 of Appendix 2, before:</p> <p>(a) bunds, listed as A to D in Figure 4 of Appendix 2, are established and vegetated (with grasses, native endemic shrubs and trees); and</p> <p>(b) the vegetated screening of planted trees to the north of the access road is established, to the satisfaction of the Director-General.</p> <p><i>Note: material to construct the bunds may be sourced from the proposed Extraction Areas.</i></p>	Administrative non-compliance	<p>Email to DP&amp;E dated 12 May 2015.</p> <p>Observations</p>	<p>CQ reported</p> <ul style="list-style-type: none"> <li>• Bunds A-D have been established and grassed. In April 2015, Bunds A-D were planted with native endemic shrubs and trees.</li> <li>• In April 2015, the area to the north of the main access road was planted with native endemic shrubs and trees.</li> <li>• On 6 May 2015 CQ wrote to DP&amp;E advising that this condition was satisfied.</li> <li>• DP&amp;E advised that there were some inconsistencies between the Landscape Management Plan Version 2.0 (February 2015) and the Project Approval. DP&amp;E recommended an amendment to the Project Approval be lodged with DP&amp;E and requested CQ advise of its intentions by 19 June 2015.</li> <li>• CQ advised DP&amp;E that they would review all</li> </ul>

Number	Condition	Compliance	Evidence	Comments
				<p>conditions and lodge an amendment to the Project Approval following finalisation of the Independent Environmental Audit. This was confirmed by email to DP&amp;E dated 29 July 2015.</p> <p>DP&amp;E advised they are unable to approve the bunds and vegetation until the Landscape Management Plan has been amended and approved.</p> <p>Landscaping of the bunds and access road was observed.</p> <p><b>Corrective action:</b> Submit a modification to address the inconsistencies with the LMP and Project Approval so the LMP can be approved and then obtain confirmation that the vegetated screening along the access road is established to the satisfaction of DP&amp;E</p>
<b>Advertising Signage</b>				
20.	<p>The Proponent shall not erect or display any advertising structure(s) or signs on the site without the written approval of the Director-General.</p> <p><i>Note: This condition does not require approval for any business identification, traffic management, and/or safety or environmental signs.</i></p>	Not triggered		CQ has not erected or displayed any advertising structure(s) or signs on the site.
<b>Operating Conditions</b>				
21.	<p>The Proponent shall</p> <p>(a) implement all reasonable and feasible measures to minimise the visual impacts and any offsite lighting impacts of the project; and</p> <p>(b) maintain and improve the effectiveness of the bunds, listed as A – F in the project layout plans in Appendix 2, and all associated and other vegetative screens, over the life of the project.</p>	Compliant	Nil.	<p>CQ reported:</p> <ul style="list-style-type: none"> <li>• CQ has extended Bund B at the request of Receiver 3 to minimise impacts</li> <li>• CQ has extended tree planting along north of the main access road at the request of Receiver 1 –</li> <li>• Trees being progressively planted and replaced in the event of deaths.</li> </ul> <p>The established landscaping on the bunds was observed.</p>
<b>Additional Visual Impact Mitigation</b>				

Number	Condition	Compliance	Evidence	Comments
22.	<p>Upon receiving a written request from the owner of any residence on privately-owned land which has, or would have, significant direct views of the quarrying operations on site during the project, the Proponent shall implement additional visual impact mitigation measures (such as landscaping treatments or vegetative screens) to reduce the visibility of these operations from the residence on the property.</p> <p>These mitigation measures must be reasonable and feasible, and must be implemented as soon as practicable following the landowner's request.</p> <p>If the Proponent and the landowner cannot agree on the measures to be implemented, or there is a dispute about the implementation of these measures, then either party may refer the matter to the Director-General for resolution.</p> <p>Notes:</p> <ul style="list-style-type: none"> <li><i>The additional visual impact mitigation measures must be aimed at reducing the visibility of the quarrying operations on site from significantly affected residences, and are not required to be aimed at reducing the visibility of these operations from other locations on the affected properties; and</i></li> <li><i>The additional visual impact mitigation measures do not necessarily have to be located on the property itself.</i></li> </ul>	Compliant	<p><u>Extension of Bund B</u></p> <ul style="list-style-type: none"> <li>Letter from White's dated 22 February 2014 (as tabled at the CCC Meeting on 25 February 2014).</li> <li>Letter to White's dated 26 February 2014.</li> </ul> <p><u>Extension of Tree Planting North of Main Access Road</u></p> <ul style="list-style-type: none"> <li>Letter from Wadsworth's dated 8 October 2013 (as tabled at the CCC Meeting on 10 October 2013).</li> <li>Letter to Wadsworth's dated 20 November 2013.</li> <li>Letter from Wadsworth's dated 24 February 2014 (as tabled at the CCC Meeting on 25 February 2014).</li> <li>Letter to Wadsworth's dated 26</li> </ul>	<p>CQ advised:</p> <p><u>Extension of Bund B</u></p> <ul style="list-style-type: none"> <li>Receiver 3 (Whites) requested Bund B be extended to minimise impacts. The request was made twice. <ol style="list-style-type: none"> <li>Once by John White personally as the Local Community Representative at the CCC Meeting on 10 October 2013.</li> <li>A further request was made by letter dated 22 February 2014 which was tabled at the CCC Meeting on 25 February 2014.</li> </ol> </li> <li>CQ's response is set out in letter to Whites dated 26 February 2014.</li> <li>CQ has extended Bund B and it has now been planted. Once plants grow, visual impacts will be further reduced.</li> </ul> <p><u>Extension of Tree Planting North of Main Access Road</u></p> <ul style="list-style-type: none"> <li>Receiver 1 (Wadsworth's) requested the tree planting along north of the main access road be extended. The request was made twice. <ol style="list-style-type: none"> <li>Once by letter dated 8 October 2013 which was tabled at the CCC Meeting on 10 October 2013.</li> <li>A further request was made by letter dated 24 February 2014 which was tabled at the CCC Meeting on 25 February 2014.</li> </ol> </li> <li>CQ's response is set out in letter to Wadsworth's dated 20 November 2013 and 26 February 2014.</li> <li>CQ extended the tree planting along north of the main access road. Once plants grow, visual impacts will be further reduced.</li> </ul>



Number	Condition	Compliance	Evidence	Comments
			February 2014.	
<b>TRANSPORT</b>				
<b>Road Upgrades</b>				
23.	<p>Prior to carrying out quarrying operations under this approval, the Proponent shall upgrade the following intersections in general accordance with the conceptual layout plans shown in the figures in Appendix 5:</p> <p>(a) Coraki Road/Wyrallah Ferry Road intersection to provide a sealed turning path for southbound quarry trucks and quarry trucks with trailers from Coraki Road into Wyrallah Ferry Road; and</p> <p>(b) Wyrallah Road/Wyrallah Ferry Road intersection to provide a sealed left-turn lane for northbound quarry trucks and quarry trucks with trailers from Wyrallah Road into Wyrallah Ferry Road, to the satisfaction of Council.</p> <p><i>Notes: These intersection upgrades must be completed to the relevant Austroads standard.</i></p>	Compliant	<ul style="list-style-type: none"> <li>Approval by LCC for the intersections works dated 23 December 2013.</li> <li>Certificate of Completion for the s138 Works dated 3 July 2014.</li> </ul>	<p>Both intersections have been upgraded in accordance with the conceptual layout plan shown in Appendix 5 of the Project Approval to the satisfaction of Lismore City Council.</p> <p>Certificate of Completion – Section 138 Works was provided 3 July 2014. The s138 required the installation of guideposts and payment of a \$1,500 bond.</p> <p>The guideposts have been installed.</p> <p>The \$1,500 bond was paid on 3 July 2014.</p> <p>The bond period expired on 3 January 2015.</p> <p>CQ is currently liaising with LCC to arrange the release of the bond.</p>
24.	<p>Prior to carrying out any quarrying operations in the Southern Extraction Area, the Proponent shall:</p> <p>(a) commission a suitably qualified expert approved by the Director-General to undertake a road safety audit of existing approved bus stops along the haulage routes;</p> <p>(b) submit the report for approval to the Director-General; and</p> <p>(c) implement any recommendations of the road safety audit to upgrade these bus stops, to the satisfaction of Council.</p> <p><i>Notes: "Approved bus stops" may be approved by either Council or RMS. Any upgrades must be completed to the relevant Austroads standard.</i></p>	Compliant	<ul style="list-style-type: none"> <li>Letter to DP&amp;E dated 11 February 2014.</li> </ul>	<p>CQ advise Malcolm Scott was approved by DP&amp;E but no evidence was available.</p> <p>A road safety audit of existing approved bus stops along the haulage routes was prepared and submitted to the DP&amp;E on 11 February 2014 (prior to commencing extraction in the SEA). The report concluded that there were no approved bus stops along the haulage routes. Accordingly, no recommendations were made or implemented with respect to existing approved bus stops.</p>
<b>Road Signage</b>				
25.	Prior to carrying out quarrying operations under this approval, the Proponent shall:	Compliant	<ul style="list-style-type: none"> <li>Email to LCC dated 30 May</li> </ul>	The roadside vegetation has been cleared and signs installed

Number	Condition	Compliance	Evidence	Comments
	(a) clear roadside vegetation and install an intersection distance advisory sign on the approach to the Wyrallah Road/Wyrallah Ferry Road intersection to improve driver awareness of the intersection; (b) install hinged "Trucks entering" warning signs 200 metres either side of the quarry entrance, and ensure that these signs are open during hours in which the quarry is operating (see condition 6 of schedule 3); and (c) install Koala crossing signs along Wyrallah Road on either side of the quarry entrance, to the satisfaction of Council.		2014. • Email from LCC confirming condition 25 has been satisfied.	
<b>Road Maintenance</b>				
26.	During the project, the Proponent shall pay Council \$0.06442 per tonne per kilometre for every tonne of extractive materials in excess of 8,500 tonnes per annum transported from the site on roads for which Council is liable for road maintenance funding, in accordance with Council's <i>Section 94 Contributions Plan 2004</i> and relevant <i>Development Control Plan</i> . Each payment must be: (a) <u>based on the quantity of extractive materials transported from the site recorded by either accredited scales fitted to front-end loaders or weighbridge records until the end of December 2015, and thereafter based on weighbridge records only</u> ; (b) paid by the date required by the invoice issued by Council; and (c) increased over the life of the project in accordance with the annual CPI.  <i>Note: This rate is in accordance with the rate of \$0.05/tonne/kilometre set out in Council's Section 94 Contributions Plan 2004, subject to CPI adjustments since December 2003, as required under that Plan.</i>	Compliant	• LCC levies notice	• CQ writes to LCC quarterly attaching the quarterly reports. • LCC then issue an assessment/tax invoice some time later. • LCC contribution notice dated 30 September 2014 was received via email on 17 July 2015. • Arrangements are being made for payment of the invoice
<b>Parking</b>				
27.	The Proponent shall provide sufficient parking on-site for all project-related traffic in accordance with Council's parking codes.	Compliant	Observation	Sufficient on-site parking was observed.
<b>Operating Conditions</b>				
28.	The Proponent shall ensure that: (a) vehicles on site do not exceed a speed limit of 30	Compliant	• Drivers Code of Conduct.	Evidence in regards to this condition included:

Number	Condition	Compliance	Evidence	Comments
	kilometres per hour; (b) all loaded vehicles entering or leaving the site have their loads covered; and (c) all loaded vehicles leaving the site are cleaned of sand and other materials before they leave the site, so as to avoid tracking dirt onto public roads.		<ul style="list-style-type: none"> <li>Dates the Drivers Code of Conduct was emailed to regular transport contractor.</li> <li>Employee Induction Sheet.</li> <li>Dates Employee Induction Sheet was handed to staff.</li> </ul>	<ul style="list-style-type: none"> <li>30km/hour speed signs on site.</li> <li>Measures contained within the Transport Management Plan, section 5.1.</li> <li>Measures contained in Drivers Code of Conduct.</li> <li>Onsite signage directing drivers to collect the Drivers Code of Conduct from the Site Office.</li> <li>Site Office has copies of Code.</li> <li>Regular transport contractors are emailed a copy of the Code to give to their drivers.</li> <li>Measures included in the Employee Induction Sheet.</li> </ul>
29.	During cane harvesting season (July to December), the Proponent shall implement all reasonable and feasible measures to minimise project-related traffic delays and congestion at the Broadwater Road/Pacific Highway intersection.	Compliant	Drivers Code of Conduct	Evidence in regards to this condition included: <ul style="list-style-type: none"> <li>Measures contained within the Transport Management Plan, section 6.</li> <li>Measures contained in Drivers Code of Conduct.</li> <li>Onsite signage directing drivers to collect the Drivers Code of Conduct from the Site Office.</li> <li>Site Office has copies of Code.</li> <li>Regular transport contractors are emailed a copy of the Code to give to their drivers.</li> </ul>
30.	The Proponent shall implement all reasonable and feasible measures to minimise project-related heavy vehicle traffic on the haulage routes during hours in which school buses are operating on these routes, to the satisfaction of the Director-General.	Compliant	Drivers Code of Conduct	Evidence in regards to this condition included: <ul style="list-style-type: none"> <li>Measures contained within the Transport Management Plan, section 7.</li> <li>Measures contained in Drivers Code of Conduct.</li> <li>Onsite signage directing drivers to collect the Drivers Code of Conduct from the Site Office.</li> <li>Site Office has copies of Code.</li> <li>Regular transport contractors are emailed a copy of the Code to give to their drivers.</li> </ul>
<b>Transport Management Plan</b>				
31.	The Proponent shall prepare and implement a Transport Management Plan for the project to the Director-General. This plan must: (a) be prepared in consultation with the RMS and Council, and submitted to the Director-General for approval prior to carrying	Compliant	<ul style="list-style-type: none"> <li>Transport Management Plan Version 1.1 (May 2014).</li> <li>Email to LCC dated 17 January</li> </ul>	<ul style="list-style-type: none"> <li>The Transport Management Plan was submitted to: <ul style="list-style-type: none"> <li>LCC on 17 January 2014</li> <li>RMS on 17 January 2014</li> <li>DP&amp;E on 17 January 2014</li> </ul> </li> <li>Some minor amendments were made to the plan</li> </ul>

Number	Condition	Compliance	Evidence	Comments
	out any quarrying operations;		2014 submitting the Transport Management Plan for consultation. <ul style="list-style-type: none"> <li>Email to RMS dated 17 January 2014 submitting the Transport Management Plan for consultation.</li> <li>Email to DP&amp;E dated 17 January 2014 submitting the Transport Management Plan.</li> <li>Letter from DP&amp;E dated 19 June 2014.</li> </ul>	and the Transport Management Plan Version 1.1 (May 2014) was resubmitted to DP&E on 28 May 2014. <ul style="list-style-type: none"> <li>The Transport Management Plan Version 1.1 (May 2014) was approved by DP&amp;E pursuant to letter dated 19 June 2014.</li> </ul>
	(b) include a drivers' code of conduct for the project;		Drivers Code of Conduct	Refer to Annexure A in the Transport Management Plan.
	(c) describe the measures that would be implemented to ensure:		Transport Management Plan	
	<ul style="list-style-type: none"> <li>haulage is minimised or routes altered to avoid school buses;</li> </ul>			Evidence in regards to this condition included: <ul style="list-style-type: none"> <li>Measures contained within the Transport Management Plan, section 7.</li> <li>Measures contained in Drivers Code of Conduct.</li> <li>Onsite signage directing drivers to collect the Drivers Code of Conduct from the Site Office.</li> <li>Site Office has copies of Code.</li> <li>Regular transport contractors are emailed a copy of the Code to give to their drivers.</li> </ul>
	<ul style="list-style-type: none"> <li>a CB radio communication protocol is established with local bus companies, to improve driver awareness of quarry truck and school bus locations along haulage routes;</li> <li>drivers of project-related vehicles comply with the drivers' code of conduct; and</li> </ul>			<ul style="list-style-type: none"> <li>Measures contained within the Transport Management Plan, Table 4.1, section 8.2.</li> <li>Measures contained in Drivers Code of Conduct.</li> </ul>

Number	Condition	Compliance	Evidence	Comments
	<ul style="list-style-type: none"><li>compliance with the relevant conditions of this approval; and</li></ul>			<ul style="list-style-type: none"><li>Measures contained within the Transport Management Plan, section 8.</li></ul>
	(d) include a program to monitor the effectiveness of the implementation of these measures.		Transport Management Plan	<ul style="list-style-type: none"><li>Measures contained within the Transport Management Plan, section 8.</li></ul>
WASTE				
32.	The Proponent shall: (a) minimise the waste generated by the project; and	Compliant	Waste Management Plan	Measures contained within the Waste Management Plan, chapter 5 and Annexures A and B.
	(b) ensure that the waste generated by the project is appropriately stored, handled, and disposed of, to the satisfaction of the Director-General.			No waste observed on site, indicating that waste is minimal.
33.	The Proponent shall prepare and implement a Waste Management Plan for the project to the satisfaction of the Director-General. This plan must:	Compliant	<ul style="list-style-type: none"><li>Waste Management Plan Version 1.1 (May 2014).</li></ul>	<ul style="list-style-type: none"><li>Waste Management Plan approved by DP&amp;E on 19 June 2014.</li><li>No waste observed on site, indicating that waste is minimal.</li></ul>
	(a) be prepared in consultation with EPA, and submitted to the Director-General for approval prior to the commencement of any processing of extracted materials;		<ul style="list-style-type: none"><li>Email to EPA on 27 March 2014 submitting the Waste Management Plan for consultation.</li><li>Email to DP&amp;E dated 27 March 2014 submitting the Waste Management Plan.</li><li>Letter from DP&amp;E dated 19 June 2014.</li></ul>	CQ advised: <ul style="list-style-type: none"><li>The Waste Management Plan was submitted to EPA on 27 March 2014 for consultation purposes.</li><li>The Waste Management Plan was submitted to DP&amp;E on 27 March 2014.</li><li>Some minor amendments were made to the plan and the Waste Management Plan Version 1.1 (May 2014) was resubmitted to DP&amp;E on 30 May 2014.</li><li>The Waste Management Plan Version 1.1 (May 2014) was approved by DP&amp;E pursuant to letter dated 19 June 2014.</li></ul>
	(b) identify the various waste streams of the project;		Waste Management Plan Version 1.1 (May 2014).	Measures contained within the Waste Management Plan, chapter 5 and Annexures A and B.
	(c) estimate the volumes of waste material that would be generated by the project;		Waste Management Plan Version 1.1 (May 2014).	Measures contained within the Waste Management Plan, Annexure B.

Number	Condition	Compliance	Evidence	Comments
	(d) describe and justify the proposed strategy for disposing of this waste material; and		Waste Management Plan Version 1.1 (May 2014).	Measures contained within the Waste Management Plan, section 5.3.
	(e) include a program to monitor the effectiveness of these measures.		Waste Management Plan Version 1.1 (May 2014).	Measures contained within the Waste Management Plan, chapter 6.
ABORIGINAL HERITAGE				
Human Remains				
34.	This approval does not allow the Proponent to disturb any human remains found on site.	Not triggered	Nil.	Measures are contained within: <ul style="list-style-type: none"><li>• The Heritage Management Plan</li><li>• Employee Induction Sheet.</li></ul>
Sub-Surface Investigations				
35.	Prior to causing any surface disturbance of the land in the sites for the: (a) Water Supply Dam; (b) Water Reuse Dam; and (c) Southern Extraction Area the Proponent shall undertake targeted sub-surface archaeological investigations, in consultation with OEH and Aboriginal stakeholders, to the satisfaction of the Director-General.	Administrative non-compliance	<ul style="list-style-type: none"><li>• The Everick Report - Sub-surface Archaeological Investigation Report dated 11 December 2013.</li><li>• Email to DP&amp;E dated 20 December 2013 attaching the Report.</li></ul>	CQ advised: <ul style="list-style-type: none"><li>• Targeted sub-surface archaeological investigations were undertaken by Everick on 29 November 2013 in consultation with OEH and Aboriginal Stakeholders in accordance with chapter 6 in the Heritage Management Plan.</li><li>• A report dated 11 December 2013 was prepared by the consultant, Everick Heritage Consultants.</li><li>• A copy of the Everick Report was provided to DP&amp;E on 20 December 2013.</li></ul> <b>Corrective action:</b> Obtain confirmation that DP&E are satisfied with the sub-surface archaeological investigations
Heritage Management Plan				
36.	The Proponent shall prepare and implement a Heritage Management Plan for the project to the satisfaction of the Director-General. This plan must: (a) be prepared in consultation with OEH and Aboriginal stakeholders; (b) be submitted to the Director-General for approval prior to carrying out any development on site (other than the construction of bunds and vegetative screening) under this approval;	Compliant	<ul style="list-style-type: none"><li>• Heritage Management Plan Version 1.0 (October 2013).</li><li>• Letter to OEH dated 18 October 2013.</li><li>• Emails/letters dated 18 October</li></ul>	CQ advised: <ul style="list-style-type: none"><li>• The Heritage Management Plan was submitted to OEH on 18 October 2013 for consultation purposes.</li><li>• The Heritage Management Plan was submitted to the following Aboriginal Stakeholders on 18 October 2013 for consultation purposes:<ul style="list-style-type: none"><li>◦ Auntie Patricia Cook;</li></ul></li></ul>

Number	Condition	Compliance	Evidence	Comments
			2013 to Aboriginal Stakeholders: <ul style="list-style-type: none"> <li>○ Auntie Patricia Cook;</li> <li>○ Jenny Smith;</li> <li>○ Dianne Harrington;</li> <li>○ Ngulingah Local Aboriginal Land Council – Tracey King;</li> <li>○ Tracey King; and</li> <li>○ Lewis Cook.</li> </ul> <ul style="list-style-type: none"> <li>• Letter from DP&amp;E dated 20 November 2013.</li> </ul>	<ul style="list-style-type: none"> <li>○ Jenny Smith;</li> <li>○ Dianne Harrington;</li> <li>○ Ngulingah Local Aboriginal Land Council – Tracey King;</li> <li>○ Tracey King; and</li> <li>○ Lewis Cook.</li> </ul> <ul style="list-style-type: none"> <li>• This was prior to commencing processing of extracted materials under the Part 3A Approval on 5 July 2015.</li> <li>• Feedback was received from OEH dated 6 November 2013. No feedback was received from the other Aboriginal Stakeholders.</li> <li>• The OEH feedback and CQ's response was submitted to DP&amp;E on 15 November 2013.</li> <li>• The Heritage Management Plan Version 1.0 (October 2013) was approved by DP&amp;E pursuant to letter dated 20 November 2013.</li> </ul>
	(c) include a detailed program for proposed targeted sub-surface archaeological investigations, including a strategic sampling methodology; and		Heritage Management Plan	Measures contained within the Heritage Management Plan, chapter 6.
	(d) describe the measures that would be implemented for: <ul style="list-style-type: none"> <li>• monitoring all new surface disturbance on site for unidentified Aboriginal objects;</li> </ul>		Heritage Management Plan	Measures contained within the Heritage Management Plan, section 7.1.
	<ul style="list-style-type: none"> <li>• managing the discovery of any human remains or previously unidentified Aboriginal objects on site; and</li> </ul>		Heritage Management Plan	Measures contained within the Heritage Management Plan, section 7.2.
	<ul style="list-style-type: none"> <li>• ensuring ongoing consultation with Aboriginal stakeholders in the conservation and management of any Aboriginal cultural heritage values on site.</li> </ul>		Heritage Management Plan	Measures contained within the Heritage Management Plan, section 7.3.
<b>LANDSCAPE</b>				
<b>Setback From Dry Rainforest/Lowland Rainforest EEC</b>				
37.	The Proponent shall ensure that the edge of the Southern	Compliant	Letter from	The Proponent engaged Riordans Surveyors to map

Number	Condition	Compliance	Evidence	Comments															
	Extraction Area is setback at least 50 metres from the mapped Dry Rainforest/Lowland Rainforest EEC on site.		Riordans Surveyors dated 27 June 2014.  Survey pegs	the Dry Rainforest/Lowland Rainforest EEC on site and mark on-site a 50 metre setback area to the SEA. Riordans Surveyors confirmed this in a letter.  Survey pegs were observed.															
Tuckean Swamp & Wetland																			
38.	The Proponent shall ensure that the project has not greater than negligible environmental consequences on the Tuckean Swamp and associated wetland.	Compliant	Water Management Plan Version 1.4 (January 2015)  Water quality results	The Water Management Plan Version 1.4 (January 2015) which has not yet received final approval stipulates routine inspections of Tuckean Swamp and Tucki Tucki Creek (where access permits) will be conducted by CQ Production Manager and/or Site Foreman.  Water quality results were reported on the website.															
Koalas																			
39.	The Proponent shall ensure that the project has negligible environmental consequences for the local Koala population.	Compliant	Landscape Management Plan Version 1.0 (December 2013)	CQ report the measures in the Landscape Management Plan Version 1.0 (December 2013), sections 8.6 and 8.7 are implemented.															
Biodiversity Offset Strategy																			
40.	<div><div>The Proponent shall implement the Biodiversity Offset Strategy, as described in the EA, summarised in Table 7 and shown conceptually in the figure in Appendix 6, to the satisfaction of the Director- General. <i>Table 7: Biodiversity Offset Strategy</i></div><table><tr><th>Area</th><th>Offset Type</th><th>Minimum Size (ha)</th></tr><tr><td>Area 1</td><td>Existing vegetation to be enhanced</td><td>1.71 ha</td></tr><tr><td>Area 2</td><td>Existing vegetation to be enhanced</td><td>2.56 ha</td></tr><tr><td>Area 3</td><td>Existing vegetation to be enhanced</td><td>2.14 ha</td></tr><tr><td>Protected Revegetation Area,</td><td>Vegetation to be established with the planting of native endemic flora species</td><td>1.5 ha</td></tr></table></div>	Area	Offset Type	Minimum Size (ha)	Area 1	Existing vegetation to be enhanced	1.71 ha	Area 2	Existing vegetation to be enhanced	2.56 ha	Area 3	Existing vegetation to be enhanced	2.14 ha	Protected Revegetation Area,	Vegetation to be established with the planting of native endemic flora species	1.5 ha	Administrative non-compliance	<ul style="list-style-type: none"><li>Table 7.1 – Biodiversity Offset Strategy Areas – Extract from Landscape Management Plan Version 2.0 (February 2015).</li><li>Appendix 6 Biodiversity Offset Strategy as included in the Project Approval.</li><li>Riordans Surveyors Plan of Operational and Extraction Areas (including</li></ul>	The Biodiversity Offset Areas have been surveyed and ground truthed by Riordans Surveyors. As a result: <ul style="list-style-type: none"><li>Table 7 – some of the Minimum Areas have increased slightly, but none have decreased (refer to Table 7.1 in the Landscape Management Plan Version 2.0 (February 2015);</li><li>Conceptual figure in Appendix 6 – the precise areas/boundaries of Areas 1, 2, 3 and the Protected Revegetation Area as conceptually shown in Appendix 6 have altered.</li><li>Conceptual figure in Appendix 6 – the area to the north of the main access road was removed from “Protected Revegetation Area”. This is in line with Schedule 3, Condition 42 which notes “the tree screening on the northern side of the quarry access road” is excluded.</li></ul>
Area	Offset Type	Minimum Size (ha)																	
Area 1	Existing vegetation to be enhanced	1.71 ha																	
Area 2	Existing vegetation to be enhanced	2.56 ha																	
Area 3	Existing vegetation to be enhanced	2.14 ha																	
Protected Revegetation Area,	Vegetation to be established with the planting of native endemic flora species	1.5 ha																	



Number	Condition		Compliance	Evidence	Comments
	TOTAL	7.91		Biodiversity Offset Areas) dated 27 June 2014.	<p>The amendments to the Biodiversity Offset Strategy have been put before DP&amp;E as part of an amended Landscape Management Plan. As a result DP&amp;E requested an explanation for the variation to the sizes and areas.</p> <p>CQ explained that the amendments were as a result of ground truthed surveys of the Biodiversity Offset Areas whereas the conceptual figure included in Appendix 6 was merely an estimate/overlay on an aerial photograph which was at least 7 years old.</p> <p>It was concluded between DP&amp;E and CQ that CQ review all conditions of approval and lodge a single variation with DP&amp;E including an amended Appendix 6.</p> <p>CQ advised that an amendment will be lodged following finalisation of the IEA and associated recommendations.</p> <p><b>Corrective action:</b> Ensure conditions on the ground are consistent with the approved offset areas. Alternatively, seek a modification to the Project Approval so the offset areas are consistent with those on the ground.</p>
Relocated Powerlines					
41.	The Proponent shall ensure that any relocation of existing powerlines on site to facilitate implementation of the project has not greater than negligible environmental consequences on the approved Biodiversity Offset Strategy.		Not triggered	Nil.	To date powerlines have not been relocated.
Long Term Security of Offsets					
42.	By the end of June 2014, unless the Director-General agrees otherwise, the Proponent shall make suitable arrangements to provide appropriate long-term security for all offset areas in the Biodiversity Offset Strategy (apart from tree screening in the northern side of the quarry access road. The conservation		Administrative non-compliance	<ul style="list-style-type: none"><li>Letter from DP&amp;E dated 18 March 2014.</li><li>Email to DP&amp;E dated 25 June</li></ul>	<p>Extension granted to 30 June 2014.</p> <p>CQ proposed a s88E Instrument be used as the appropriate instrument following consultation with OEH.</p>

Number	Condition	Compliance	Evidence	Comments								
	<u>agreement must remain in force in perpetuity.</u>		<p>2014.</p> <ul style="list-style-type: none"><li>• Letter from DP&amp;E dated 3 July 2014.</li><li>• Letter from DP&amp;E dated 13 January 2015.</li><li>• Email to DP&amp;E dated 12 May 2015; and</li><li>• Email from DP&amp;E dated 12 May 2015.</li></ul>	<p>On 26 June 2014, CQ submitted the proposed s88E instrument to DP&amp;E</p> <p>By letter dated 3 July 2014, DP&amp;E required further time to consider the s88E Instrument. DP&amp;E therefore granted CQ an extension to 31 December 2014 to comply with condition.</p> <p>By letter dated 13 January 2015, DP&amp;E requested CQ amend the s88E Instrument by the inclusion of several items.</p> <p>Several communications have occurred between CQ and DP&amp;E in order to finalise the terms of the s88E Instrument, including DP&amp;E providing CQ with example of RUL's and PPC's that were satisfactory to DP&amp;E.</p> <p>Conservation agreement not finalised</p> <p><b>Corrective action:</b> Finalise the conservation agreement for the offset areas or seek a further extension of the deadline from DP&amp;E</p>								
Rehabilitation Objectives												
43.	<p>The Proponent shall rehabilitate the site to the satisfaction of the Director-General. This rehabilitation must be generally consistent with the proposed rehabilitation strategy in the EA, and comply with the objectives in Table 8.</p> <p><i>Table 8: Rehabilitation Objectives</i></p> <table><tr><th>Feature</th><th>Objective</th></tr><tr><td>Site (as a whole)</td><td>Safe, stable &amp; non-polluting</td></tr><tr><td>Surface Infrastructure</td><td>To be decommissioned and removed, unless the Director-General agrees otherwise</td></tr><tr><td>Benched Quarry Walls</td><td>Landscaped with native endemic flora species</td></tr></table>	Feature	Objective	Site (as a whole)	Safe, stable & non-polluting	Surface Infrastructure	To be decommissioned and removed, unless the Director-General agrees otherwise	Benched Quarry Walls	Landscaped with native endemic flora species	Not triggered	Landscape Management Plan	<p>Measures contained within the Landscape Management Plan.</p> <p>Under the Landscape Management Plan no rehabilitation is anticipated to be carried out in Stage 1 of the Development – during the first 2-3 years.</p>
Feature	Objective											
Site (as a whole)	Safe, stable & non-polluting											
Surface Infrastructure	To be decommissioned and removed, unless the Director-General agrees otherwise											
Benched Quarry Walls	Landscaped with native endemic flora species											

Number	Condition		Compliance	Evidence	Comments
	Quarry Pit Floors	Suitable for grazing			
	Other land affected by the project	Restore ecosystem function, including maintaining or establishing self-sustaining eco-systems comprised of: <ul style="list-style-type: none"><li>native endemic species: and</li><li>a landform consistent with the surrounding environment</li></ul>			
Progressive Rehabilitation					
44.	The Proponent 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 rehabilitation strategies shall be employed when areas prone to dust generation cannot yet be permanently rehabilitated.		Not triggered'	Nil.	Measures contained within the Landscape Management Plan.  Under the Landscape Management Plan no rehabilitation is anticipated to be carried out in Stage 1 of the Development – during the first 2-3 years.
Landscape Management Plan					
45.	The Proponent shall prepare and implement a Landscape Management Plan for the project to the satisfaction of the Director-General. This plan must: (a) be prepared in consultation with OEH, DRE, DPI (Agriculture) and Council;		Administrative non-compliance	<ul style="list-style-type: none"><li>Landscape Management Plan Version 1.0 (December 2013)</li><li>Landscape Management Plan Version 2.0 (February 2015)</li><li>Correspondence to OEH, DRE, DPI (Agriculture) and LCC for dated 18 December 2013.</li><li>Email to DP&amp;E dated 18 December</li></ul>	CQ advised: <ul style="list-style-type: none"><li>The Landscape Management Plan Version 1.0 (December 2013) was submitted to OEH, DRE, DPI (Agriculture) and LCC for consultation purposes on 18 December 2013.</li><li>On 18 December 2013 the Landscape Management Plan Version 1.0 (December 2013) was submitted to DP&amp;E for approval.</li><li>By letter dated 13 January 2015, DP&amp;E requested an amended Landscape Management Plan be submitted by 28 February 2015 as they considered several issues needed addressing.</li><li>CQ submitted an amended plan to DP&amp;E being Landscape Management Plan Version 2.0 (February 2015) to DP&amp;E on 27 February 2015.</li><li>By letter dated 5 June 2015, DP&amp;E advised that there were some inconsistencies between the Landscape Management Plan Version 2.0 (February 2015) which was submitted with the Project Approval. DP&amp;E recommended an amendment to the Project Approval be lodged with</li></ul>

Number	Condition	Compliance	Evidence	Comments
			2013. <ul style="list-style-type: none"> <li>Letter from DP&amp;E dated 13 January 2015.</li> <li>Email from DP&amp;E dated 5 June 2015.</li> <li>Email to DP&amp;E dated 29 July 2015.</li> </ul>	DP&E and requested CQ advise of its intentions by 19 June 2015. <ul style="list-style-type: none"> <li>CQ advised DP&amp;E that they would review all conditions and lodge an amendment to the Project Approval following finalisation of the Independent Environmental Audit. This was confirmed by email to DP&amp;E dated 29 July 2015.</li> <li>Survey pegs marking out the rehabilitation area, weed control and planting were observed</li> </ul> <p><b>Corrective action:</b> Submit a modification to address the inconsistencies with the LMP and Project Approval so the LMP can be approved</p>
	(b) be submitted to the Director-General for approval prior to carrying out any development on site (other than the construction of bunds and vegetative screening) under this approval;		As above	<ul style="list-style-type: none"> <li>On 18 December 2013 the Landscape Management Plan Version 1.0 (December 2013) was submitted to DP&amp;E for approval.</li> <li>Development on site (excluding bunds/vegetative screening) took place in early 2015.</li> </ul>
	(c) describe how the implementation of the Biodiversity Offset Strategy would be integrated with the overall rehabilitation of the site;		Landscape Management Plan Version 2.0	Refer to chapter 7 in the Landscape Management Plan Version 2.0 (February 2015).
	(d) describe the short, medium and long term measures that would be implemented to: <ul style="list-style-type: none"> <li>manage remnant vegetation and habitat on site;</li> <li>implement the Biodiversity Offset Strategy; and</li> <li>ensure compliance with the rehabilitation objectives and progressive rehabilitation obligations in this approval;</li> </ul>		Landscape Management Plan Version 2.0	Refer to chapter 10 in the Landscape Management Plan Version 2.0 (February 2015).
	(e) include detailed performance and completion criteria for evaluating the performance of the Biodiversity Offset Strategy and the rehabilitation of the site, including triggering remedial action (if necessary);		Landscape Management Plan Version 2.0	Refer to Tables 9.2 and 10.1 in the Landscape Management Plan Version 2.0 (February 2015).
	(f) include a detailed description of the measures that would be implemented over the next 3 years, including the procedures to be implemented for: <ul style="list-style-type: none"> <li>ensuring compliance with the rehabilitation objectives and progressive rehabilitation obligations in this approval;</li> <li>enhancing the quality of remnant vegetation and fauna</li> </ul>		Landscape Management Plan Version 2.0	Refer to chapter 8 in the Landscape Management Plan Version 2.0 (February 2015).

Number	Condition	Compliance	Evidence	Comments
	habitat; <ul style="list-style-type: none"><li>restoring native endemic vegetation and fauna habitat within the biodiversity offset areas and rehabilitation area;</li><li>maximising the salvage of environmental resources within the approved disturbance area – including vegetative and soil resources – for beneficial reuse in the enhancement of the biodiversity areas or rehabilitation area;</li><li>collecting and propagating seed;</li><li>ensuring negligible environmental consequences for the local Koala population;</li><li>minimising the impacts on native fauna on site, including undertaking appropriate pre-clearance surveys;</li><li>controlling weeds and feral pests;</li><li>controlling erosion;</li><li>managing grazing and agriculture on site;</li><li>controlling access; and</li><li>bushfire management;</li></ul>			
	(g) include a consultation program regarding the potential removal of Bund A as part of the rehabilitation of the site. Receptors NAL 2 and 3, must be consulted as part of the program;		Landscape Management Plan Version 2.0	Refer to section 9.5 in the Landscape Management Plan Version 2.0 (February 2015).
	(h) include a program to monitor the effectiveness of these measures, and progress against the performance and completion criteria;		Landscape Management Plan Version 2.0	Refer to chapter 11 in the Landscape Management Plan Version 2.0 (February 2015).
	(i) identify the potential risks to successful implementation of the Biodiversity Offset Strategy and rehabilitation of the site, and include a description of the contingency measures that would be implemented to mitigate against these risks; and		Landscape Management Plan Version 2.0	Refer to section 9.4 in the Landscape Management Plan Version 2.0 (February 2015).
	(j) include details of who would be responsible for monitoring, reviewing, and implementing the plan.		Landscape Management Plan Version 2.0	Refer to chapter 11 in the Landscape Management Plan Version 2.0 (February 2015).
Conservation & Rehabilitation Bond				
46.	Within 6 months of the approval of the Landscape Management Plan, the Proponent shall lodge a Conservation and Rehabilitation Bond with the Department to ensure that the Biodiversity Offset Strategy and the rehabilitation of the site is implemented in accordance with the performance and	Administrative non-compliance		CQ advised: <ul style="list-style-type: none"><li>The Landscape Management Plan Version 1.0 (December 2013) was submitted to OEH, DRE, DPI (Agriculture) and LCC for consultation</li></ul>

Number	Condition	Compliance	Evidence	Comments
	<p>completion criteria set out in the Landscape Management Plan. The sum of the bond shall be determined by:</p> <p>(a) calculating the full future cost of implementing the Biodiversity Offset Strategy;</p> <p>(b) calculating the cost of rehabilitating the site, taking into account the likely surface disturbance over the next 3 years of quarrying operations; and</p> <p>(c) employing a suitably qualified quantity surveyor or other expert to verify the calculated costs; to the satisfaction of the Director-General.</p> <p>Notes:</p> <ul style="list-style-type: none"> <li><i>If capital and other expenditure required by the Landscape Management Plan is largely complete, the Director-General may waive the requirement for lodgement of a bond in respect of the remaining expenditure.</i></li> <li><i>If the Biodiversity Offset Strategy and rehabilitation of the site area are completed to the satisfaction of the Director-General, the Director-General will release the bond. If the Biodiversity Offset Strategy and rehabilitation of the site are not completed to the satisfaction of the Director-General, the Director-General will call in all or part of the bond, and arrange for the completion of the relevant works.</i></li> </ul>			<p>purposes on 18 December 2013.</p> <ul style="list-style-type: none"> <li>On 18 December 2013 the Landscape Management Plan Version 1.0 (December 2013) was submitted to DP&amp;E for approval.</li> <li>By letter dated 13 January 2015, DP&amp;E requested an amended Landscape Management Plan be submitted by 28 February 2015 as they considered several issues needed addressing.</li> <li>CQ submitted an amended plan to DP&amp;E being Landscape Management Plan Version 2.0 (February 2015) to DP&amp;E on 27 February 2015.</li> <li>By letter dated 5 June 2015, DP&amp;E advised that there were some inconsistencies between the Landscape Management Plan Version 2.0 (February 2015) which was submitted with the Project Approval. DP&amp;E recommended an amendment to the Project Approval be lodged with DP&amp;E and requested CQ advise of its intentions by 19 June 2015.</li> <li>CQ advised DP&amp;E that they would review all conditions and lodge an amendment to the Project Approval following finalisation of the Independent Environmental Audit. This was confirmed by email to DP&amp;E dated 29 July 2015.</li> </ul> <p>CQ is unable to calculate the conservation and rehabilitation bond until the Landscape Management Plan is approved</p> <p><b>Corrective action:</b> Submit a modification to address the inconsistencies with the LMP and Project Approval so the LMP can be approved and then lodge the Conservation and Rehabilitation Bond</p>
47.	<p>Within 3 months of each Independent Environmental Audit (see condition 8 of schedule 5), the Proponent shall review, and if necessary revise, the sum of the Conservation and Rehabilitation Bond to the satisfaction of the Director-General. This review must consider the:</p> <p>(a) effects of inflation;</p>	Not triggered		

Number	Condition	Compliance	Evidence	Comments
	(b) likely cost of implementing the Biodiversity Offset Strategy and rehabilitating the site (taking into account the likely surface disturbance over the next 3 years of the project); and (c) performance of the implementation of the Biodiversity Offset Strategy and rehabilitation of the site to date.			

Table A-1-3 Compliance with Project Approval 09\_0080 - Schedule 4

Number	Condition	Compliance	Evidence	Comments
<b>NOTIFICATION OF LANDOWNERS</b>				
1.	<p>As soon as practicable after obtaining monitoring results showing an:</p> <p>(a) exceedance of any relevant criteria in schedule 3, the Proponent shall notify affected landowners in writing of the exceedance, and provide regular monitoring results to each of affected landowner until the project is again complying with the relevant criteria; and</p> <p>(b) an exceedance of the relevant air quality criteria in schedule 3, the proponent shall send a copy of the NSW Health fact sheet entitled "<i>Mine Dust and You</i>" (as may be updated from time to time) to the affected landowners and/or existing tenants of the land.</p>	Not triggered	<ul style="list-style-type: none"> <li>• CQ Noise Monitoring Results Summary (as displayed on website)</li> <li>• CQ Air Quality Monitoring Results Summary (as displayed on website)</li> </ul>	No exceedances of criteria in schedule 3 have been recorded.
<b>INDEPENDENT REVIEW</b>				
2.	<p>If an owner of privately-owned land considers the project 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 project on his/her land.</p> <p>If the Director-General is satisfied that an independent review is warranted, then within 2 months of the Director-General's decision the Proponent shall:</p> <p>(a) commission a suitably qualified, experienced and independent expert, whose appointment has been approved by the Director-General, to:</p> <ul style="list-style-type: none"> <li>• consult with the landowner to determine his/her concerns;</li> <li>• conduct monitoring to determine whether the project is complying with the relevant criteria in schedule 3; and</li> <li>• if the project is not complying with these criteria, then identify the measures that could be implemented to ensure compliance with the relevant criteria; and</li> </ul> <p>(b) give the Director-General and landowner a copy of the independent review.</p>	Not triggered	Nil.	CQ advise that no such review has been requested by an owner of privately-owned land.
3.	<p>If the independent review determines that the project is complying with the relevant criteria in schedule 3, then the Proponent may discontinue the independent review with the approval of the Director-General.</p>	Not triggered	Nil.	CQ advise that no such review has been requested by an owner of privately-owned land.



Number	Condition	Compliance	Evidence	Comments
	<p>If the independent review determines that the project is not complying with the relevant criteria in schedule 3, then the Proponent shall:</p> <p>(a) implement all reasonable and feasible mitigation measures, in consultation with the landowner and appointed independent expert, and conduct further monitoring until the project complies with the relevant criteria; or</p> <p>(b) secure a written agreement with the landowner to allow exceedances of the relevant criteria, to the satisfaction of the Director-General.</p>			

Table A-1-4 Compliance with Project Approval 09\_0080 - Schedule 5

Number	Condition	Compliance	Evidence	Comments
<b>ENVIRONMENTAL MANAGEMENT</b>				
<b>Environmental Management Strategy</b>				
1.	The Proponent shall prepare and implement an Environmental Management Strategy for the project to the satisfaction of the Director-General. This strategy must:	Compliant		Implementation of the EMS was demonstrated by the complaints details on the website, induction records, monitoring and general environmental management at the site.
	(a) be submitted to the Director-General for approval prior to any development being carried out on the site under this approval;		<ul style="list-style-type: none"> <li>Email to DP&amp;E dated 3 July 2013 attaching Environmental Management Strategy</li> <li>Letter from DP&amp;E dated 16 July 2013 approving the plan.</li> </ul>	<p>The Environmental Management Strategy Version 1.0 (3 July 2013) was submitted to DP&amp;E by email on 3 July 2013.</p> <p>Some minor amendments to the plan took place at the request of DP&amp;E. Environmental Management Strategy Version 2.0 (11 July 2013) was then approved by DP&amp;E by letter dated 16 July 2013.</p> <p>The first development that took place on site under the Project Approval was the construction of Bund A, which commenced on 22 November 2013.</p>
	(b) provide the strategic framework for environmental management of the project;		Environmental Management Strategy	The Environmental Management Strategy generally provides the strategic framework for the project.
	(c) identify the statutory approvals that apply to the project;		Environmental Management Strategy	Refer to chapter 4 in the Environmental Management Strategy.
	(d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project;		Environmental Management Strategy	Refer to section 6.1 in the Environmental Management Strategy.
	(e) describe the procedures that would be implemented to:			
	<ul style="list-style-type: none"> <li>keep the local community and relevant agencies</li> </ul>		Environmental	Refer to section 6.3.2 in the Environmental

Number	Condition	Compliance	Evidence	Comments
	informed about the operation and environmental performance of the project;		Management Strategy	Management Strategy. CQ are in regular contact with agencies. The Annual Environmental Management Review reports are available on the website Regular CCC meetings are held
	<ul style="list-style-type: none"> <li>receive, handle, respond to, and record complaints;</li> </ul>		Environmental Management Strategy	Refer to section 6.3.3 in the Environmental Management Strategy.  Refer to the CQ Complaint Form (Updated 9 October 2014) which is completed upon receiving a complaint.  Three complaints have been received and appear to have been responded to appropriately and to the satisfaction of the complainant
	<ul style="list-style-type: none"> <li>resolve any disputes that may arise during the course of the project;</li> </ul>		Environmental Management Strategy	Refer to sections 6.3 and 6.4 in the Environmental Management Strategy.  Refer to the CQ Incident Report Form (Updated 9 October 2014) which is completed when an incident occurs.  Three complaints have been received and appear to have been responded to appropriately and to the satisfaction of the complainant
	<ul style="list-style-type: none"> <li>respond to any non-compliance; and</li> </ul>		Environmental Management Strategy	Refer to sections 7.1.2 and 7.3 in the Environmental Management Strategy.  No non-compliance have been identified to date
	<ul style="list-style-type: none"> <li>respond to emergencies; and</li> </ul>		Environmental Management Strategy	Refer to section 6.4 in the Environmental Management Strategy.

Number	Condition	Compliance	Evidence	Comments
				No emergencies have occurred to date
	(f) include:			Nil.
	<ul style="list-style-type: none"><li>copies of any strategies, plans and programs approved under the conditions of this approval; and</li></ul>		Environmental Management Strategy	Refer to section 5.1 in the Environmental Management Strategy.
	<ul style="list-style-type: none"><li>a clear plan depicting all the monitoring required to be carried out under the conditions of this approval</li></ul>		Environmental Management Strategy	Refer to section 5 in the Environmental Management Strategy.
Adaptive Management				
2.	<p>The Proponent shall assess and manage project-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 approval and may be subject to penalty or offence provisions under the EP&amp;A Act or EP&amp;A Regulation.</p> <p>Where any exceedance of these criteria and/or performance measures has occurred, the Proponent shall, at the earliest opportunity:</p> <p>(a) take all reasonable and feasible measures to ensure that the exceedance ceases and does not recur;</p> <p>(b) consider all reasonable and feasible options for remediation (where relevant) and submit a report to the Department describing those options and any preferred remediation measures or other course of action; and</p> <p>(c) implement remediation measures as directed by the Director-General, to the satisfaction of the Director-General.</p>	Not triggered	<ul style="list-style-type: none"><li>CQ Noise Monitoring Results Summary (as displayed on website)</li><li>CQ Air Quality Monitoring Results Summary (as displayed on website)</li></ul>	No exceedances of criteria in schedule 3 have been recorded.
Management Plan Requirements				
3.	The Proponent shall ensure that the Management Plans required under this approval are prepared in accordance with	Compliant	Nil.	These requirements have been adopted in individual management plans.

Number	Condition	Compliance	Evidence	Comments
	<p>any relevant guidelines, and include:</p> <p>(a) detailed baseline data;</p> <p>(b) a description of:</p> <ul style="list-style-type: none"> <li>the relevant statutory requirements (including any relevant approval, licence or lease conditions);</li> <li>any relevant limits or performance measures/criteria; and</li> <li>the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the project or any management measures;</li> </ul> <p>(c) a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria;</p> <p>(d) a program to monitor and report on the:</p> <ul style="list-style-type: none"> <li>impacts and environmental performance of the project; and</li> <li>effectiveness of any management measures (see (c) above);</li> </ul> <p>(e) a contingency plan to manage any unpredicted impacts and their consequences;</p> <p>(f) a program to investigate and implement ways to improve the environmental performance of the project over time;</p> <p>(g) a protocol for managing and reporting any:</p> <ul style="list-style-type: none"> <li>incidents;</li> <li>complaints;</li> <li>non-compliances with statutory requirements; and</li> <li>exceedances of the impact assessment criteria and/or performance criteria; and</li> </ul> <p>(h) a protocol for periodic review of the plan.</p> <p><i>Note: The Director-General may waive some of these requirements if they are unnecessary or unwarranted for</i></p>			

Number	Condition	Compliance	Evidence	Comments
	<i>particular management plans.</i>			
<b>Annual Review</b>				
4.	<p>By the end of March each year, the Proponent shall review the environmental performance of the project to the satisfaction of the Director-General. This review must:</p> <p>(a) describe the development (including rehabilitation) that was carried out in the previous calendar year, and the development that is proposed to be carried out over the current calendar year;</p> <p>(b) include a comprehensive review of the monitoring results and complaints records of the project over the previous calendar year, which includes a comparison of these results against:</p> <ul style="list-style-type: none"> <li>the relevant statutory requirements, limits or performance measures/criteria;</li> <li>the monitoring results of previous years; and</li> <li>the relevant predictions in the EA;</li> </ul> <p>(c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;</p> <p>(d) identify any trends in the monitoring data over the life of the project;</p> <p>(e) identify any discrepancies between the predicted and actual impacts of the project, and analyse the potential cause of any significant discrepancies; and</p> <p>(f) describe what measures will be implemented over the current calendar year to improve the environmental performance of the project.</p>	Compliant	<ul style="list-style-type: none"> <li>Email to DP&amp;E dated 27 March 2014 attaching the Annual Review 2014</li> <li>Annual Review 2014</li> <li>Email to DP&amp;E dated 24 March 2015 attaching the Annual Review 2015</li> <li>Annual Review 2015</li> </ul>	<ul style="list-style-type: none"> <li>2014 Annual Review was submitted to DP&amp;E by email on 27 March 2014.</li> <li>2015 Annual Review was submitted to DP&amp;E by email on 24 March 2015.</li> </ul>
<b>Revision of Strategies, Plans &amp; Programs</b>				
5.	Within 3 months of the submission of an:	Compliant		
	(a) annual review under condition 4 above:			An Annual Review was completed in March 2014 and March 2015. Neither review required any modification

Number	Condition	Compliance	Evidence	Comments
				to Management Plans.
	(b) incident report under condition 7 below;		Nil.	No incident has occurred that has caused, or threatens to cause, material harm to the environment. Hence no review required.
	(c) audit report under condition 9 below; and		Nil.	No prior IEA have been carried out. Hence no review required.
	(d) any modifications to this approval,		Nil.	There has only been one modification - Notice of Modification (09_0080 Mod 1). None of the modifications required amendments to any Management Plans.
	the Proponent shall review, and if necessary revise, the strategies, plans, and programs required under this approval to the satisfaction of the Director-General.  <i>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 project.</i>		Nil.	Some minor modifications have been made to some of the Management Plans progressively in response to DP&E's requests. Refer to individual Management Plans.
Community Consultative Committee				
6.	<p>The Proponent shall establish and operate a CCC for the project to the satisfaction of the Director-General. This CCC must be operated in general accordance with the <i>Guidelines for Establishing and Operating Community Consultative Committees for Mining Projects</i> (Department of Planning, 2007, or its latest version), and be operating prior to any development being carried out on site under this approval.</p> <p>Notes:</p> <ul style="list-style-type: none"><li><i>The CCC is an advisory committee. The Department and other relevant agencies are responsible for ensuring that the Proponent complies with this approval.</i></li><li><i>In accordance with the guideline, the Committee should comprise an independent chair and appropriate representation from the Proponent, Council, recognised</i></li></ul>	Compliant	<ul style="list-style-type: none"><li>CCC Guidelines for establishing and operating CCC for Mining Projects (June 2007)</li><li>Email from DP&amp;E dated 9 May 2013 setting out required number of meetings annually.</li><li>Final Minutes for meeting on 10 October 2013;</li></ul>	<p>The CCC was established in 2013 in accordance with the CCC Guidelines.</p> <p>The CCC Guidelines specified 4 meetings take place in the first year and reduced thereafter.</p> <p>DP&amp;E agreed by email dated 9 May 2013 to reduce the number of meetings to 3 in the first year and 2 thereafter. In compliance with this the following CCC Meetings have taken place:</p> <ul style="list-style-type: none"><li>10 October 2013;</li><li>25 February 2014;</li><li>28 August 2014; and</li></ul>

Number	Condition	Compliance	Evidence	Comments
	<i>environmental groups and the local community.</i>		<ul style="list-style-type: none"> <li>Final Minutes for meeting on 25 February 2014;</li> <li>Final Minutes for meeting on 28 August 2014; and</li> <li>Draft Minutes for meeting on 5 March 2015.</li> </ul>	<ul style="list-style-type: none"> <li>5 March 2015.</li> </ul> <p>The Draft/Final meeting minutes are available on the CQ website.</p> <p>The next meeting is scheduled to take place in October 2015.</p>
<b>REPORTING</b>				
<b>Incident Reporting</b>				
7.	The Proponent 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 project, the Proponent shall notify the Director-General and any other relevant agencies as soon as practicable after the Proponent becomes aware of the incident. Within 7 days of the date of the incident, the Proponent 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	Nil.	No incident has occurred that has caused, or threatens to cause, material harm to the environment.
<b>Regular Reporting</b>				
8.	The Proponent shall provide regular reporting on the environmental performance of the project on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this approval.	Compliant		A review of the website confirmed that it contained annual environmental management reports, monitoring results, CCC minutes and complaints register
<b>INDEPENDENT ENVIRONMENTAL AUDIT</b>				
9.	Within a year of the commencement of development on site under this approval, and every 3 years thereafter, unless the Director-General directs otherwise, the Proponent shall commission and pay the full cost of an Independent Environmental Audit of the project. This audit must: (a) be conducted by suitably qualified, experienced and	Compliant	<ul style="list-style-type: none"> <li>Email to DP&amp;E dated 28 November 2014 requesting an extension.</li> <li>Letter from</li> </ul>	<p>On 28 November 2014 CQ wrote to DP&amp;E and requested an extension to commission the audit until 4 July 2015.</p> <p>DP&amp;E by letter dated 13 January 2015, granted</p>



Number	Condition	Compliance	Evidence	Comments
	<p>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 project and whether it is complying with the relevant requirements in this approval and any relevant EPL and/or Water License (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 the these approvals; and</p> <p>(e) recommend measures or actions to improve the environmental performance of the project, and/or any assessment, plan or program required under these approvals.</p> <p><i>Note: This audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Director-General.</i></p>		<p>DP&amp;E dated 13 January 2015 granting extension.</p> <ul style="list-style-type: none"> <li>Letter from DP&amp;E dated 1 July 2015 endorsing the appointment of GHD experts to carry out IEA.</li> </ul>	<p>consent to extension.</p> <p>On 1 July 2015, the DG endorsed the appointment of GHD to carry out the audit.</p>
10.	<p>Within 3 months of commissioning this audit, or as otherwise agreed by the Director-General, the Proponent 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		
<b>ACCESS TO INFORMATION</b>				
11.	<p>Within 4 months of the date of this approval, the Proponent shall:</p> <p>(a) make the following information publicly available on its website:</p> <ul style="list-style-type: none"> <li>the EA;</li> <li>current statutory approvals for the project;</li> <li>approved strategies, plans or programs;</li> <li>a summary of the monitoring results of the project, which have been reported in accordance with the various plans and programs approved under the conditions of this approval;</li> </ul>	Compliant	CQ website	A review of the website confirmed that it contained the required information

Number	Condition	Compliance	Evidence	Comments
	<ul style="list-style-type: none"> <li>• a complaints register, updated on a quarterly basis;</li> <li>• minutes of CCC meetings;</li> <li>• copies of any annual reviews (over the last 5 years);</li> <li>• any independent environmental audit, and the Proponent's response to the recommendations in any audit; and</li> <li>• any other matter required by the Director-General; and</li> </ul> (b) keep this information up-to-date, to the satisfaction of the Director-General.			

# Environment Protection Licence

Table A-1-5 Compliance with EPL – Administrative Conditions

Number	Condition	Compliance	Evidence	Comments									
WHAT THE LICENCE AUTHORISES AND REGULATES													
A1.1	<div><div><div>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.</div><div>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.</div></div><table><tr><td>Scheduled Activity</td><td>Fee Based Activity</td><td>Scale</td></tr><tr><td>Crushing, grinding or separating</td><td>Crushing, grinding or separating</td><td>&gt; 30000 - 100000 T processed</td></tr><tr><td>Extractive Activities</td><td>Land-based extractive activity</td><td>&gt; 50000 - 100000 T extracted, processed or stored</td></tr></table></div>	Scheduled Activity	Fee Based Activity	Scale	Crushing, grinding or separating	Crushing, grinding or separating	> 30000 - 100000 T processed	Extractive Activities	Land-based extractive activity	> 50000 - 100000 T extracted, processed or stored	Compliant	<div>CQ quarterly report for October – December 2012.</div> <div>CQ quarterly reports for January – December 2013.</div> <div>CQ quarterly reports for January – December 2014.</div> <div>CQ quarterly reports for January – June 2015.</div>	<div>Annual Limit has not yet been reached:</div> <div>1 October 2012 – 31 December 2012 – 7,139.92 tonnes.</div> <div>1 January 2013 – 31 December 2013 – 21,681.04 tonnes.</div> <div>1 January 2014 – 31 December 2014 – 12,000.71 tonnes.</div> <div>1 January 2015 – 30 June 2015 – 22,272.32 tonnes.</div>
Scheduled Activity	Fee Based Activity	Scale											
Crushing, grinding or separating	Crushing, grinding or separating	> 30000 - 100000 T processed											
Extractive Activities	Land-based extractive activity	> 50000 - 100000 T extracted, processed or stored											
A1.2	Notwithstanding A1.1, the scale of the land-based extractive activity authorised under this licence must not exceed 250,000 tonnes per annum, being the amount equivalent to the extraction limit approved by the development consent granted under the Environmental Planning and Assessment Act 1979 for the premises specified in A2.	Compliant		As above									
PREMISES OR PLANT TO WHICH THIS LICENCE APPLIES													
A2.1	<div>The licence applies to the following premises:</div> <div>Premises Details</div> <div>CHAMPIONS QUARRY</div> <div>1668 WYRALLAH ROAD</div>	Not triggered											

	TUCKURIMBA NSW 2480			
<b>INFORMATION SUPPLIED TO THE EPA</b>				
A3.1	<p>Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence. In this condition the reference to "the licence application" includes a reference to:</p> <p>the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and</p> <p>the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.</p>	Not triggered		

Table A-1-6 Compliance with EPL – Discharge to air water and application to land

Number	Condition				Compliance	Evidence	Comments
Location of monitoring/discharge points and areas							
P1.1	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.				Not triggered		There are no utilisation areas on the site.
P1.2	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. Water and land				Compliant		The discharge point is identified on site and in the Water Management Plan
	EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description			
	1	Water Reuse Dam discharge point	Water Reuse Dam discharge point	The Water Reuse discharges onto a land at the north west of the Water Reuse			
P1.3	P1.3 The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or setting of limits for the emission of noise from the point. Noise				Compliant	Noise Management Plan for	EPA Identification No. 2 – 7 are Noise Assessment Locations as set out below and in the Noise Management Plan. EPA Identification No. 2 – NAL 1 EPA Identification No. 3 – NAL 2
	EPA Identification no.	Type of monitoring point		Location description			

	ification no.					EPA Identification No. 4 – NAL 2A EPA Identification No. 5 – NAL 3 EPA Identification No. 6 – NAL 4 EPA Identification No. 7 – NAL 5
	2	Noise monitoring				
	3	Noise monitoring				
	4	Noise monitoring				
	5	Noise monitoring				
	6	Noise monitoring				
	7	Noise monitoring				

Table A-1-7 Compliance with EPL – Limit conditions

Number	Condition	Compliance	Evidence	Comments
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.	Not triggered	Nil.	Refer to Project Approval Schedule 3, Condition 14
L1.2	Rainfall runoff from all disturbed areas of the premises arising from up to 60.2mm (up to five day event duration) must, prior to discharge from the premises, be captured and treated to the standard set out in condition L2 below.	Not verified	Nil.	It was reported by CQ that to date there has been no discharges, intentional or otherwise from Point 1.  <b>Recommendation:</b> Develop and implement a procedure to record sediment basins discharges
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.	Not triggered	Nil.	To date there has been no discharges, intentional or otherwise from Point 1.
L2.2	Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.			
L2.3	To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table/s.			
L2.4	Water and/or Land Concentration Limits			

	<table><tr><th colspan="5">POINT 1</th></tr><tr><th>Pollutant</th><th>Units of Measure</th><th>50 Percentile concentration limit</th><th>90 Percentile concentration limit</th><th>30 day limit</th></tr><tr><td>Oil and Grease</td><td>milligrams per litre</td><td></td><td></td><td></td></tr><tr><td>pH</td><td>pH</td><td></td><td></td><td></td></tr><tr><td>Total Suspended solids</td><td>milligrams per litre</td><td></td><td></td><td></td></tr></table>	POINT 1					Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	30 day limit	Oil and Grease	milligrams per litre				pH	pH				Total Suspended solids	milligrams per litre						
POINT 1																													
Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	30 day limit																									
Oil and Grease	milligrams per litre																												
pH	pH																												
Total Suspended solids	milligrams per litre																												
L3	Waste																												
L3.1	The licensee must not cause, permit or allow any waste generated outside the premises to be received at the premises for storage, treatment, processing, reprocessing or disposal or any waste generated at the premises to be disposed of at the premises, except as expressly permitted by the licence.	Not triggered	Nil.	No waste has been received from off site.																									
L4	Noise limits																												
L4.1	<div>Noise generated at the premises that is measured at each noise monitoring point established under this licence must not exceed the noise levels specified in Column 4 of the table below for that point during the corresponding time periods specified in Column 1 when measured using the corresponding measurement parameters listed in Column 2.</div> <div>POINT 2<table><tr><th>Time period</th><th>Measurement parameter</th><th>Measurement frequency</th></tr><tr><td>Day</td><td>LAeq (15 minute)</td><td>Special Frequency</td></tr></table></div> <div>POINT 3<table><tr><th>Time period</th><th>Measurement</th><th>Measurement</th></tr></table></div>	Time period	Measurement parameter	Measurement frequency	Day	LAeq (15 minute)	Special Frequency	Time period	Measurement	Measurement	Not verified	Noise monitoring results	<div>Refer to Project Approval Schedule 3, Condition 5</div> <div>Measurement frequency for Point 5 was confirmed by EPA to be an error, it should be Special Frequency, consistent with the others</div>																
Time period	Measurement parameter	Measurement frequency																											
Day	LAeq (15 minute)	Special Frequency																											
Time period	Measurement	Measurement																											

		parameter	frequency			
	Day	LAeq (15 minute)	Special Frequ			
	POINT 4					
	Time period	Measurement parameter	Measurement frequency			
	Day	LAeq (15 minute)	Special Frequ			
	POINT 5					
	Time period	Measurement parameter	Measurement frequency			
	Day	LAeq (15 minute)	Daily			
	POINT 6					
	Time period	Measurement parameter	Measurement frequency			
	Day	LAeq (15 minute)	Special Frequ			
	POINT 7					
	Time period	Measurement parameter	Measurement frequency			
	Day	LAeq (15 minute)	Special Frequ			
L4.2	In reference to Condition L4.1 above, Special Frequency 1 means during compliance noise monitoring.			Not triggered		

L4.3	<p>During construction of Bunds A, C (stage 3 only) and D and the water re-use and water supply dams, provided the EPA has been notified in writing of the dates that these works will be undertaken the following construction Noise limits apply:</p> <p>NAL 1, NAL 4 and NAL 5 (Point 2, 6 and 7) 45 LAeq (15)</p> <p>NAL 2, NAL 2A, NAL 3 and privately-owned land along the southern end of Hazelmount Lane (Point 3, 4 and 5) 42 LAeq (15)</p> <p>All other receivers 40LAeq (15)</p>	Not triggered	Nil.	Refer to Project Approval Schedule 3, Condition 4
L4.4	The notification of the EPA to satisfy L4.3 must be made in writing within 1 week prior to the construction work on Bunds A, C (stage 3 only) and D and the water re-use and water-supply dams taking place. In the event construction of these elements extends beyond 1 week, this notification will be required each week while the construction continues.	Not triggered	Nil.	Bunds A, C and D and the Water Reuse Dam were constructed prior to the granting of the EPL/enactment of this condition. Only remaining listed construction activity is the construction of the Water Supply Dam. Construction has not commenced.
L4.5	Noise from the premises is to be measured at receivers NAL 1, NAL 2, NAL 2A, NAL 3, NAL 4 and NAL 5 as identified in the Project Approval (application number 09_0080, Appendix 2 - Project Layout Plans) to determine compliance with this condition.	Not verified	Noise monitoring results	Refer to Project Approval Schedule 3, Condition 5
L4.6	<p>The noise limits set out in the preceding conditions apply under all meteorological conditions except for the following:</p> <ul style="list-style-type: none"> <li>· Wind speeds greater than 3 meters/second at 10 meters above ground level; or</li> <li>· Temperature inversion conditions greater than 3°C/100 meters.</li> </ul>	Compliant	Paragraph 5.1, Appendix D in the EA and included as Annexure A in the Noise Management Plan.	<p>Wind speeds (for 10 metres above ground level) are taken from BOM website for Lismore Airport at the time of carrying out the noise testing. Lismore Airport is the nearest relevant weather station (No. 058214). This is the same weather station utilised in the EA for noise testing purposes. Refer to paragraph 5.1, Appendix D in the EA and included as Annexure A in the Noise Management Plan.</p> <p>Temperature inversions typically only occur at night at the premises and accordingly are not considered relevant. This was established when undertaking initial noise assessments (paragraph 5.1, Appendix D in the EA) and included as Annexure A in the Noise</p>



				Management Plan.
L5	Blasting			
L5.1	Blasting operations at the premises may only take place between 9:00am and 3:00pm weekdays. (Where compelling safety reasons exist, the Authority may permit a blast to occur outside the abovementioned hours. Prior written (or facsimile) notification of any such blast must be made to the Authority).	Not triggered	Nil.	No blasting has occurred at the premises.
L5.2	The airblast overpressure level from blasting operations in or on the premises must not exceed:  115 dB (Lin Peak) for more than 5% of the total number of blasts during each reporting period; and  120 dB (Lin Peak) at any time.  At most affected residence or noise sensitive location that is not owned by the licensee or subject to a private agreement between the owner of the residence or noise sensitive location and the licensee as to an alternative overpressure level .			
L5.3	The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed:  5 mm/s for more than 5% of the total number of blasts carried out on the premises during each reporting period; and  10 mm/s at any time.  At most affected residence or noise sensitive location that is not owned by the licensee or subject to a private agreement between the owner of the residence or noise sensitive location and the licensee as to an alternative overpressure level .			
L5.4	To determine compliance with condition(s) L5.2 and L5.3:  Airblast overpressure level and ground vibration peak particle velocity must be measured at the most affected residence or noise sensitive location that is not owned by the licensee or subject to a private agreement between the owner of the residence or noise sensitive location and the licensee as to an alternative airblast overpressure level and/or ground vibration peak particle velocity for all blasts carried out in or on the premises; and  Instrumentation used to measure the airblast overpressure			

	level and ground vibration peak particle velocity must meet the requirements of Australian Standard AS 2187.2-2006.			
L5.5	Receivers NAL 1 -5 (which are identified in Project Approval application number 09_0080, Appendix 2 - Project Layout Plans), who have not expressly requested otherwise, are to be given at least 24 hours notice when blasting is to be undertaken			
L6	Hours of operation			
L6.1	Activities covered by this licence must only be carried out between the hours of 7:00am and 6:00pm Monday to Friday, and 8:00am and 1:00pm Saturday, and at no time on Sundays and Public Holidays. Maintenance of plant and machinery activities may occur at any time provided they are inaudible at privately-owned residences.	Compliant		Refer to Project Approval Schedule 3, Condition 6
L6.2	This condition does not apply to the delivery of material outside the hours of operation permitted by condition L6.1, if that delivery is required by police or other authorities for safety reasons; and/or the operation or personnel or equipment are endangered. In such circumstances, prior notification must be provided to the EPA and affected residents as soon as possible or within a reasonable period in the case of emergency.	Not triggered		

Table A-1-8 Compliance with EPL – Operating conditions

Number	Condition	Compliance	Evidence	Comments
O1	Activities must be carried out in a competent manner			
O1.1	<p>O1.1 Licensed activities must be carried out in a competent manner.</p> <p>This includes:</p> <ul style="list-style-type: none"> <li>the processing, handling, movement and storage of materials and substances used to carry out the activity; and</li> <li>the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the</li> </ul>	Compliant	<p>Employee Induction Sheet</p> <p>Employee signature sheet confirming receipt of the Employee Induction Sheet.</p>	<p>Employees are trained in their relevant areas as they relate to the processing, handling, movement and storage of materials and substances and waste handling.</p> <p>Additionally, toolbox talks are carried out by the Production Manager and/or Site Foreman on at least a daily basis.</p> <p>The Waste Management Plan sets out the processes</p>

	activity.			for dealing with waste.
O2	Maintenance of plant and equipment			
O2.1	<p>All plant and equipment installed at the premises or used in connection with the licensed activity:</p> <ul style="list-style-type: none"> <li>• must be maintained in a proper and efficient condition; and</li> <li>• must be operated in a proper and efficient manner.</li> </ul>	Compliant	Nil.	Refer to Project Approval, Schedule 2 Condition 17
O3	Dust			
O3.1	Activities occurring in or on the premises must be carried out in a manner that will minimise the generation, or emission from the premises, of wind-blown or traffic generated dust.	Compliant	Nil.	Refer to Project Approval, Schedule 3 Condition 11
O4	Processes and management			
O4.1	Sediment Basins shall be treated, if required, to reduce the Total Suspended Solids level to the licenced concentration limit before being discharged to the environment. Treatment can be with gypsum or any other material that has been approved by the EPA.	Not triggered	Nil.	To date there have been no discharges, intentional or otherwise from this point.
O4.2	All liquid chemicals, fuels and oils must be stored in tanks or containers inside suitable bund(s). Bunds are to be designed, constructed and maintained in accordance with AS1940-2004 Storage and Handling of Flammable and Combustible Liquids.	Not triggered	Nil.	Refer to relevant approval clause.
O4.3	Each sedimentation basin must have a marker (the "sedimentation basin marker") that identifies the upper level of the sediment storage zone.	Non-compliant	Email to EPA dated 16 April 2015 – in relation to Condition 4 - O4.	<p>The sedimentation basins are linked via a series of pipes. The pipes are midway between the bottom and the top of the sedimentation basins. The pipes are used as "the sedimentation basin marker".</p> <p>CQ requested confirmation from EPA that this was acceptable on 16 April 2015. CQ are awaiting a response from EPA.</p> <p>Since the site inspection CQ have provided a photo showing the sediment marker in the Water Reuse Dam</p>

				but they are not provided in the other basins.  <b>Corrective action:</b> Install a sediment basin marker that indicates the sediment storage zone or obtain confirmation from EPA that the pipes are a suitable alternative
O4.4	Whenever the level of liquid and other material in any sedimentation basin exceeds the level indicated by the sedimentation basin marker, the licensee must take all practical measures as soon as possible to reduce the level of liquid and other material in the sedimentation basin.	Not verified	Nil.	The level of liquid and sediment was below the mark described above and it was reported that sedimentation basins are routinely cleaned of sediment by a small excavator.  <b>Recommendation:</b> Develop and implement a procedure to record that sediment basins are monitored and maintained appropriately
O4.5	The licensee must maximise the diversion of run-on waters from lands upslope and around the site whilst land disturbance activities are being undertaken.	Compliant	Water Management Plan Observations	Diversion runoff practices are set out in section 7.3 of the Water Management Plan and diversion bunds were observed onsite.
O4.6	The licensee must maximise the diversion of stormwater runoff containing suspended solids to sediment basins installed on the premises.	Compliant	Water Management Plan Observations	Diversion of stormwater runoff practices are set out in section 7.3.1 of the Water Management Plan and diversion bunds were observed onsite.
O4.7	Where sediment basins are necessary, all sediment basins and associated drainage must be installed and commissioned prior to the commencement of any clearing or grubbing works within the catchment area of the sediment basin that may cause sediment to leave the site.	Compliant	Nil.	CQ reported the water reuse dam was installed in early 2014, prior to the EPL, which is supported by the monitoring results.
O4.8	The licensee must ensure the design storage capacity of the sediment basins installed on the premises is reinstated within 5 days of the cessation of a rainfall event that causes runoff to occur on or from the premises.	Not verified	Nil	It was reported CQ comply with this condition but no evidence was available.  <b>Recommendation:</b> Develop and implement a procedure to record that sediment basins are monitored and maintained appropriately.
O4.9	The licensee must ensure that sampling point(s) for water discharged from the sediment basin(s) are provided and	Compliant	Nil.	CQ know the location of the discharge point and it was accessible but not sign posted at the time of the

	<p>maintained in an appropriate condition to permit:</p> <ul style="list-style-type: none"> <li>the clear identification of each sediment basin and discharge point;</li> <li>the collection of representative samples of the water discharged from the sediment basin(s); and</li> <li>access to the sampling point(s) at all times by an authorised officer of the EPA.</li> </ul>			<p>inspection.</p> <p>A photo has been provided by CQ since showing the sign.</p>
O4.10	The licensee must endeavour to maximise the reuse of captured stormwater on the premises.	Compliant		It was reported that water is reused on site for dust control.

Table A-1-9 Compliance with EPL – Monitoring and recording conditions

Number	Condition	Compliance	Evidence	Comments
M1	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.	Not triggered		
M1.2	<p>All records required to be kept by this licence must be:</p> <ul style="list-style-type: none"> <li>in a legible form, or in a form that can readily be reduced to a legible form;</li> <li>kept for at least 4 years after the monitoring or event to which they relate took place; and</li> <li>produced in a legible form to any authorised officer of the EPA who asks to see them.</li> </ul>	Compliant	Nil.	All records are kept at Champions Quarry Offsite Office. It was confirmed that the records meet the requirements of this condition.
M1.3	<p>The following records must be kept in respect of any samples required to be collected for the purposes of this licence:</p> <ul style="list-style-type: none"> <li>the date(s) on which the sample was taken;</li> <li>the time(s) at which the sample was collected;</li> <li>the point at which the sample was taken; and</li> <li>the name of the person who collected the sample.</li> </ul>	Compliant	<p>Surface Water Test Field Sheet – Monitoring Point 1-7;</p> <p>Surface Water Test Field Sheet – Monitoring Point 7;</p> <p>Groundwater Test Field Sheet – Monitoring Point 8-</p>	It was confirmed that surface water test field sheets record the required information.

			11; Noise Monitoring Test Field Sheet; and Air Quality Test Field Sheet.																	
M2	Requirement to monitor concentration of pollutants discharged																			
M2.1	For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:	Not triggered		To date, there have been no discharges, intentional or otherwise from this point.																
M2.2	Water and/ or Land Monitoring Requirements																			
	<table><tr><td>Pollutant</td><td>Units of measure</td><td>Frequency</td><td>Sampling Method</td></tr><tr><td>Oil and Grease</td><td>Visible</td><td>Special Frequency 1</td><td>Visual Inspection</td></tr><tr><td>pH</td><td>pH</td><td>Special Frequency 1</td><td>Grab sample</td></tr><tr><td>Total suspended solids</td><td>milligrams per litre</td><td>Special Frequency 1</td><td>Grab sample</td></tr></table>				Pollutant	Units of measure	Frequency	Sampling Method	Oil and Grease	Visible	Special Frequency 1	Visual Inspection	pH	pH	Special Frequency 1	Grab sample	Total suspended solids	milligrams per litre	Special Frequency 1	Grab sample
	Pollutant				Units of measure	Frequency	Sampling Method													
	Oil and Grease	Visible	Special Frequency 1	Visual Inspection																
pH	pH	Special Frequency 1	Grab sample																	
Total suspended solids	milligrams per litre	Special Frequency 1	Grab sample																	
M2.3	Special Frequency 1 means sampling once <24 hours prior to actively emptying the ponds and during each discharge event arising from rainfall less than 60.2mm falling in total over a period of up to five days duration.																			
M3	Testing methods - concentration limits																			
M3.1	Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant	Not triggered		To date there have been no discharges, intentional or otherwise from this point.																

	discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.			
M4	Environmental monitoring			
M4.1	The licensee is required to install and maintain a rainfall depth measuring device.	Compliant	Weather station data from 1 January 2015.	CQ reported a professional Wireless Weather Station Model XC-0369 was reported to be installed at 64 Hazlemount Lane Tucki, being approximately one kilometre from the premises. The weather station requires power hence it is situated on a property adjacent to the Premises.  Weather station data has been collected from 1 January 2015.
M4.2	Rainfall at the premises must be measured and recorded in millimetres per 24 hour period, at the same time each day. Note: The rainfall monitoring data collected in compliance with Condition M4.2 can be used to determine compliance with L2.4.			
M5	Recording of pollution complaints			
M5.1	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.	Compliant	Champions Quarry Complaint Form.  Completed forms are available for inspection at offsite office.	CQ had a standard complaint form that includes the required information and is completed when a complaint is received.
M5.2	The record must include details of the following: <ul style="list-style-type: none"> <li>the date and time of the complaint;</li> <li>the method by which the complaint was made;</li> <li>any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;</li> <li>the nature of the complaint;</li> <li>the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and</li> <li>if no action was taken by the licensee, the reasons why no action was taken.</li> </ul>			
M5.3	The record of a complaint must be kept for at least 4 years after the complaint was made.	Not triggered		No complaints have been received since the EPL was issued. However, records of previous complaints were available at the time of the audit up to 2015.

M5.4	The record must be produced to any authorised officer of the EPA who asks to see them.	Not triggered		No complaints have been received since the EPL was issued and no EPA officer has requested them.
M6	Telephone complaints line			
M6.1	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.	Compliant	CQ website	CQ operate a complaints phone line during operating hours which is advertised on their website.
M6.2	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.	Compliant	CQ website	CQ lists the complaints line phone number and email address on their website.
M6.3	The preceding two conditions do not apply until 3 months after the date of the issue of this licence.	Not verified	Nil.	Date when complaints line was instigated could not be verified
M7	M7 Other monitoring and recording conditions			
M7.1	For the purpose of monitoring for compliance with the noise limits set in this licence noise emitted from the premises must be measured or computed at 30 metres from the nearest residential dwelling/s over a period of 15 minutes using the "FAST" response on the sound level meter. A modifying factor correction must be applied for tonal, impulsive, or intermittent noise in accordance with the document NSW Industrial Noise Policy (NSW EPA, January 2000).	Administrative non-compliance	<p>Emailed to EPA dated 5 March 2015 in relation to condition M7.1.</p> <p>Letter from EPA dated 10 April 2015 in relation to condition M7.1.</p> <p>Letter to Mr and Mrs Wadsworths (Receiver 1) seeking consent to access their land for the purposes of noise testing.</p>	<p>The exact location of noise assessment locations for each of the receivers is set out in section 7.2 of the Noise Management Plan including Table 7.1 – Receivers Location for Noise Assessment.</p> <p>All of the receivers locations for noise assessment are within 30 metres from the receivers residence except for Receiver 1. CQ advised EPA of this by email dated 5 March 2015 and requested the locations for noise testing specified in the Noise Management Plan (Table 7.1) be adopted in the EPA Licence.</p> <p>EPA advised on 10 April 2015 that they required written confirmation from the relevant receiver that they did not permit CQ to access their land for the purposes of carrying out noise monitoring.</p> <p>On 22 June 2015 CQ wrote to Receiver 1 seeking their advice as to whether they consent to CQ</p>



			<p>personnel accessing their land for the purposes of carrying out noise monitoring. CQ requested a response on/before 31 July 2015. Noting that if CQ had not heard a response by the 31 July 2015, CQ will deem the Receiver 1 had refused consent to access their land.</p> <p>As of 16 July 2015, no response has been received from the Receiver 1.</p> <p><b>Recommendation:</b> Confirm with EPA they are satisfied with the revised noise monitoring location</p>
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Table A-1-10 Compliance with EPL – Reporting conditions

Number	Condition	Compliance	Evidence	Comments
R1	R1 Annual return documents			
R1.1	<p>The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:</p> <ul style="list-style-type: none"> <li>• a Statement of Compliance; and</li> <li>• a Monitoring and Complaints Summary.</li> </ul> <p>At the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.</p>	Not triggered		Reporting Period ends 9 April 2016.
R1.2	An Annual Return must be prepared in respect of each reporting period, except as provided below. 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.			
R1.3	<p>Where this licence is transferred from the licensee to a new licensee:</p> <p>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</p> <p>the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is</p>	Not triggered		

	<p>granted and ending on the last day of the reporting period.</p> <p>Note: An application to transfer a licence must be made in the approved form for this purpose.</p>			
R1.4	<p>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:</p> <ul style="list-style-type: none"> <li>in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or</li> <li>b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.</li> </ul>	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').	Not triggered		Reporting Period ends 9 April 2016.
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 triggered		
R1.7	<p>R1.7 Within the Annual Return, the Statement of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:</p> <ul style="list-style-type: none"> <li>the licence holder; or</li> <li>by a person approved in writing by the EPA to sign on behalf of the licence holder.</li> </ul>	Not triggered		
R2	R2 Notification of environmental harm			
R2.1	<p>Notifications must be made by telephoning the Environment Line service on 131 555.</p> <p>Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.</p>	Not triggered	Nil.	No known incident causing or threatening material harm to the environment.
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.	Not triggered		

R3	Written report			
R3.1	<p>Where an authorised officer of the EPA suspects on reasonable grounds that:</p> <ul style="list-style-type: none"> <li>• where this licence applies to premises, an event has occurred at the premises; or</li> <li>• 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,</li> </ul> <p>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.</p>	Not triggered		CQ advise no such written report has been requested by EPA.
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.			
R3.3	<p>The request may require a report which includes any or all of the following information:</p> <ul style="list-style-type: none"> <li>• the cause, time and duration of the event;</li> <li>• the type, volume and concentration of every pollutant discharged as a result of the event;</li> <li>• 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;</li> <li>• 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;</li> <li>• action taken by the licensee in relation to the event, including any follow-up contact with any complainants;</li> <li>• details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and</li> <li>• any other relevant matters.</li> </ul>			
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.			
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Table A-1-11 Compliance with EPL – General conditions

Number	Condition	Compliance	Evidence	Comments
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.	Compliant	EPL	A copy of the EPL was available at the CQ site office for review.
G1.2	The licence must be produced to any authorised officer of the EPA who asks to see it.			
G1.3	The licence must be available for inspection by any employee or agent of the licensee working at the premises.			

## Appendix B – Consultation with agencies

## Ben Luffman

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**From:** Brendan Liew <Brendan.Liew@planning.nsw.gov.au>  
**Sent:** Thursday, 20 August 2015 9:49 AM  
**To:** Ben Luffman  
**Subject:** RE: Champions Quarry Audit

**CompleteRepository:** 2217950  
**Description:** Champions Quarry Environmental Audit  
**JobNo:** 17950  
**OperatingCentre:** 22  
**RepoEmail:** 2217950@ghd.com  
**RepoType:** Job

Hi Ben,

As discussed over the phone this morning. The Department is particularly interested in the following matters:

- 1) Vegetation – biodiversity (offset areas), landscaping (bund and screens)
- 2) Water – Groundwater monitoring, soil erosion/ clean water diversion
- 3) Noise (bunds)
- 4) Locations of project elements (eg roads, dams, processing etc) in comparison to locations shown in the EA and project approval.

Kind Regards

**Brendan Liew | Planning Officer**

Business Systems | Planning Services  
NSW Department of Planning & Environment | 23-33 Bridge Street, Sydney NSW 2000  
e: [brendan.liew@planning.nsw.gov.au](mailto:brendan.liew@planning.nsw.gov.au) | p: 9228 6310 | m: GPO Box 39, Sydney NSW 2001



## Ben Luffman

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**From:** Development Northern <development.northern@rms.nsw.gov.au>  
**Sent:** Tuesday, 29 September 2015 10:56 AM  
**To:** Ben Luffman  
**Subject:** RE: Champions Quarry

**CompleteRepository:** 2217950  
**Description:** Champions Quarry Environmental Audit  
**JobNo:** 17950  
**OperatingCentre:** 22  
**RepoEmail:** 2217950@ghd.com  
**RepoType:** Job

Hi Ben

The Transport Management Plan looks good. We would suggest consideration be given to the inclusion of the following in the Code of Conduct:

- Safety initiatives for haulage through residential areas and/or school zones;
- An induction process for vehicle operators & regular toolbox meetings;
- A complaint resolution and disciplinary procedure; and
- Any community consultation measures for peak haulage periods.

If you have any questions, please contact our team.

Kind regards

Leisa Sedger  
Administrative Assistant  
Network Management | Journey Management  
T 02 6640 1362 F 02 6640 1304  
[www.rms.nsw.gov.au](http://www.rms.nsw.gov.au)  
*Every journey matters*

**Roads and Maritime Services**  
Level 1 76 Victoria St Grafton NSW 2460

## Ben Luffman

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**From:** Matt Kelly <Matt.Kelly@lismore.nsw.gov.au>  
**Sent:** Monday, 21 September 2015 11:13 AM  
**To:** Ben Luffman  
**Subject:** RE: Champions Quarry Audit

**CompleteRepository:** 2217950  
**Description:** Champions Quarry Environmental Audit  
**JobNo:** 17950  
**OperatingCentre:** 22  
**RepoEmail:** 2217950@ghd.com  
**RepoType:** Job

Hi Ben,

Sorry for the delay in this response.

Through our telephone conversation we discussed matters that had relevance during the period of post approval (Department of Planning consent), the surrender of Councils consent and the issuing of operational licences by state authorities such as NSW EPA. During this period it was considered that the regulatory framework did not provide the necessary clarity for effective regulatory management in response to matters such as water and soil management concerns associated with establishment works.

In addition to review against the approved management plans and consent conditions it would be appropriate to review the commitments given through the community consultative process.

Thanks

**Matt Kelly** | Coordinator Compliance | **Lismore City Council**

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Lismore City Council acknowledges the people of the Bundjalung Nation, traditional custodians of the land on which we work.

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**From:** Ben Luffman [<mailto:Ben.Luffman@ghd.com>]  
**Sent:** Wednesday, 19 August 2015 3:56 PM  
**To:** Matt Kelly  
**Subject:** Champions Quarry Audit



## Ben Luffman

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**From:** Andrew Helman <andrew.helman@industry.nsw.gov.au>  
**Sent:** Monday, 21 September 2015 9:33 AM  
**To:** Ben Luffman  
**Subject:** Re: Champions Quarry Audit

**CompleteRepository:** 2217950  
**Description:** Champions Quarry Environmental Audit  
**JobNo:** 17950  
**OperatingCentre:** 22  
**RepoEmail:** 2217950@ghd.com  
**RepoType:** Job

Hi Ben,

Regarding the independent environmental audit of Champions Quarry, as the operation is not extracting a mineral as defined under the *Mining Act 1992*, DRE (including the Environmental Sustainability Unit) has no statutory role in authorising or regulating the extraction of this commodity, apart from its role under the *Work Health & Safety Act 2011*, *Mine Health and Safety Act 2004* and associated regulations.

Regards,

Andrew

Andrew Helman | Geoscientist | Minerals and Land Use Assessment | Geological Survey of NSW

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		Name	Signature	Name	Signature	Date
0	B Luffman	M Pignatelli		S Lawer		1/10/15
1	B Luffman	M Pignatelli		M Pignatelli		23/11/2015
2	B Luffman	M Pignatelli		M Pignatelli		26/11/2015

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