



# **South Coast Concrete Crushing and Recycling**

Nowra Brickworks Quarry  
Independent Environmental Audit

August 2016

# Executive summary

GHD Pty Limited (GHD) was commissioned by South Coast Concrete Crushing and Recycling Quarries (SCCCR) to conduct an independent environmental audit of the compliance of the Nowra Brickwork Quarry's operational activities. The Minister for Planning approved the continuation and expansion of extractive operations at the quarry pursuant to section 75J of the *Environmental Planning and Assessment Act 1979* on 1 December 2009 (the Project Approval).

The Nowra Brickworks Quarry (the quarry) is located in South Nowra, approximately five kilometres south of the central business district, next to the Princes Highway. SCCCR have operated the quarry since 2002, extracting weathered and unweathered shale material and importing quarry products, waste and recycled material to produce general and specialised quarry products.

Condition 5 of Schedule 5 of the Project Approval requires an Independent Environmental Audit to be undertaken within three years of the date of the commencement of the project and every three years thereafter. This report represents the second independent environmental audit for the site following on from the first audit report prepared in 2013. This document provides the findings for the second independent report and provides an update on the status of the implementation of all audit recommendations from the first independent environmental audit.

At the time of the audit, a number of positive measures were observed which demonstrated compliance with many of the requirements of the Project Approval DA 07/0123 and the Environmental Protection Licence (EPL) 11765.

An Environmental Management Strategy (EMS) (GHD 2010) has been prepared for the site which includes the programs and plans developed in accordance with the Project Approval and provides guidance on the management and monitoring tasks as well as frequency for these to be undertaken on site.

It was noted that EMS applications differ from the Project Approval and EPL for noise monitoring which makes it difficult to assess the overall adequacy of the EMS and the effectiveness of the noise management procedures on site.

Environmental monitoring for noise occurred for one year in 2014 for the term of the quarrying activities and discontinued following three consecutive compliant results. Other environmental issues include the delayed installation of a wheel wash and the management of stockpiles according to the Erosion and Sediment Control Plan.

The original consultation and approval of the Southern Biodiversity Offset Area with the then Department of Environment, Climate Change and Water (DECCW) identified gaps in documentation at both the site and regulator level.

This report is subject to, and must be read in conjunction with, the limitations set out in section 1.4 and the assumptions and qualifications contained throughout the Report.

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# 1. Introduction

## 1.1 Introduction

GHD Pty Limited (GHD) was commissioned by South Coast Concrete Crushing and Recycling Quarries (SCCCR) to conduct an independent environmental audit to determine the compliance status of the Nowra Brickwork Quarry's operational activities. The Minister for Planning approved the continuation and expansion of extractive operations at the quarry pursuant to section 75J of the *Environmental Planning and Assessment Act 1979* on 1 December 2009 (the Project Approval).

Condition 5 of Schedule 5 of the Approval requires an Independent Environmental Audit to be undertaken within three years of the date of the commencement of the project and every three years thereafter. This represents the second independent environmental audit for the site and this report presents the audit findings for the 2016 independent environmental audit.

### 1.1.1 Project background

The Nowra Brickworks Quarry (the quarry) is located in South Nowra, approximately five kilometres south of the central business district, next to the Princes Highway. SCCCR have operated the quarry since 2002, carrying out the following operations:

- Extraction of weathered and unweathered shale material.
- Importation of construction, concrete and waste bitumen material for crushing and recycling.
- Importation of quarry products from other quarries for blending operations.
- Crushing, screening and blending of extracted, recycling and blending materials to produce general and specialised quarry products.
- Stockpiling, loading and despatching quarry products.
- Progressive rehabilitation of areas no longer required for extraction-related purposes.

The Project is the continuation and expansion of the extractive operations at the quarry and includes the following operations and works as outlined in the SCCCR Mining Operations Plan 2015 – 2021:

- i. Continued operation of the quarry and its expansion to the south;
- ii. Extract more than 364,000 tonnes per year of clay/shale (using drill and blast methods), structural clay and associated materials (in total) from the site using an excavator for direct sale to customers or stockpiling for later sale without processing;
- iii. Importation and stockpiling of up to approximately 50,000 tonnes per year of recycling materials;
- iv. Importation and stockpiling of up to approximately 125,000 tonnes per year of blending materials;
- v. Processing and blending of extracted, recycling and blending material to produce general and specialised products using a mobile processing plant;
- vi. Stockpiling of quarry products;
- vii. Loading, sale and despatch of an average of approximately 300,000 tonnes per year, to a maximum of approximately 500,000 tonnes per year, of quarry products using road registered heavy vehicles;

- viii. Importation and placement of up to 200,000 tonnes per year of Virgin Excavated Natural Material (VENM). A small proportion of this material may be processed and blended with other materials to produce saleable products. The remainder will be placed within completed sections of the extraction area to establish a final landform that mimics the pre-extraction landform within the quarry; and
- ix. Progressive rehabilitation of areas no longer required for extraction or VENM placement-related activities.

SCCCR is currently operating its Nowra Brickworks Quarry operation in accordance with the following statutory instruments:

- Project Approval DA 07/0123.
- Environment Protection Licence (EPL) 11765.
- Mining Lease ML5087 and ML6322.

The Project Approval DA 07/0123 allows for:

- Quarrying operations on the site until December 2039.
- Extraction of no more than 364,000 tonnes per year of clay/shale, structural clay and associated materials (in total) from the site.
- Importing no more than 50,000 tonnes per year of recycling materials to the site.
- Importing no more than 125,000 tonnes per year of blending materials to the site.
- Importing no more than 200,000 tonnes per year of VENM to the site.
- Despatching no more than 500,000 tonnes per year of quarry products from the site.

## 1.2 Scope of the Audit

The Minister for Planning approved the continuation and expansion of extractive operations at the quarry pursuant to section 75J of the *Environmental Planning and Assessment Act 1979* on 1 December 2009 (the Project Approval). Condition 5 of Schedule 5 requires an Independent Environmental Audit to be undertaken within three years of the date of the commencement of the project and every three years thereafter.

Condition 5 of Schedule 5 constitutes the audit scope, which states:

*“Within 3 years of the date of 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 a suitably qualified, experienced, and independent person(s) whose appointment has been approved by the Director-General;*
- b. *assess the environmental performance of the project, and its effects on the surrounding environment;*
- c. *assess whether the project is complying with the relevant standards, performance measures and statutory requirements;*
- d. *review the adequacy of any strategy/plan/program required under this approval; and, if necessary;*
- e. *recommend measures or actions to improve the environmental performance of the project, and/or any strategy/plan/program required under this approval.*

The independent audit took the following form:

- Consultation with the Department of Planning and Infrastructure.
- A start-up meeting.
- Correspondence with Shoalhaven City Council.
- Correspondence with NSW Office of Environment and Heritage and the Environment Protection Authority (EPA).
- Review of key documentation;
- Preparation of the audit criteria and an audit template.
- Site visit to the Nowra Brickworks Quarry.
- Preparation of a draft audit report for SCCCR to review
- Finalisation and submission of the audit report to SCCCR.

### 1.3 Audit team members

The Lead Auditor and Support Auditor from GHD undertook the audit. GHD auditors were suitably qualified, experienced, independent and approved by the Department to complete the audit.

Personnel involved in the audit are identified in Table 1-1

**Table 1-1 Audit team members**

Audit team members	Organisation	Role
Maurice Pignatelli	GHD	Technical review
Tim Cook	GHD	Lead Auditor
Jane Curran	GHD	Support Auditor
John Green	SCCCR Quarries	Owner/Operator
Steve Mitchell	SCCCR Quarries	Manager

### 1.4 Limitations

This report:

- has been prepared by GHD for SCCCR.
- may only be used and relied upon by SCCCR.
- must not be used by or relied upon by any person other than SCCCR.
- may only be used for the purpose of this Environmental Compliance Audit (and must not be used for any other purpose).

All results, conclusions and recommendations presented should be reviewed by a competent person, with experience in environmental management, before being used for any other purpose.

GHD accepts no liability for use of, interpretation of or reliance upon this report by any person or body other than SCCCR. Third parties must make their own independent inquiries.

This report should not be altered amended or abbreviated, issued in part or issued incomplete without prior checking and approval by GHD. GHD accepts no liability that may arise from the alteration, amendment, abbreviation or part-issue or incomplete issue of this report. To the maximum extent permitted by law, all implied warranties and conditions in relation to the services provided by GHD and this report are expressly excluded.

Site conditions may change after the date of this report. GHD shall bear no liability in relation to: (i) any change to site conditions after the date of this report; and/or (ii) any failure to update this report to account for any such change.

This report does not provide a complete assessment of the environmental status of the Site, and it is limited to the scope and limitations defined herein. The accuracy and completeness of the findings of this audit are based on and limited by the site inspections, documents presented for review and interviews with SCCCR personnel.

Should information become available regarding conditions at the Site, GHD reserves the right to review the report in the context of the additional information.



## **2. Methodology**

### **2.1 Task One: Consultation with the Department of Planning and Infrastructure**

The NSW Department of Planning and Environment (The Department) requested the Auditor to contact Shoalhaven City Council (Council) and the EPA prior to the audit to also understand their expectations.

### **2.2 Task Two: Start-up meeting**

GHD held a start-up meeting with SCCR's Mr Steve Mitchell to discuss the Departments expectations, the audit methodology, identify relevant personnel involved in the audit, key operational activities and systems occurring on site, documentation for review and to schedule a date for the site inspection.

### **2.3 Task Three: Meeting with Shoalhaven City Council**

Consultation with Council was undertaken. Email correspondence was facilitated by Cathy Bern, Manager, Development Services highlighting complaints relating to the tracking of material onto the Princes Highway. A copy of the letter received is attached as Appendix A.

### **2.4 Task Four: Correspondence with NSW Office of Environment and Heritage**

Consultation with the EPA regarding Environmental Protection Licence No. 11765 was undertaken. A response to the consultation letter dated 23 December 2015 was received from Mr Julian Thompson, Unit Head South East Region on 05 January 2016. Mr Thompson raised the tracking of mud from the site and the received dust complaints as well as their ongoing communication to prevent future tracking and dust incidents. A copy of the letter received is attached as Appendix A.

Due to the separation of capabilities within the EPA, Mr Thompson recommended that communication was also conducted with the Office of Environment and Heritage.

### **2.5 Task Four: Correspondence with NSW Office of Environment and Heritage**

Consultation with the NSW Office of Environment and Heritage (OEH) was undertaken. A response to the consultation letter was received from Mr Daniel Robson – Conservation Planning Officer on 22 January 2016. A copy of the letter received is attached as Appendix A.

### **2.6 Task Five: Review of documentation and audit criteria development**

Prior to the site visit relevant documentation provided by SCCR was reviewed to assist in audit preparation and the development of the audit criteria. A list of documentation reviewed is included as Appendix B.

### **2.7 Task Six: Site visit**

The site visit was conducted over one day on 27<sup>th</sup> January 2016 at the Nowra Brickworks Quarry. The interviews and observations conducted as part of the audit were guided by the

audit criteria which addressed the requirements of the Approval, the EPL and the implementation of the Environmental Management Strategy (EMS).

The assessment of activities included:

- Observations of the site including storage and work areas.
- Document review and sighting of a selected cross section of data and information systems.
- Interviews with appropriate personnel as identified in Section 1.3.

GHD conducted a close-out meeting to provide feedback and a brief overview of the key (preliminary) audit findings.

## **2.8 Task Seven: Documentation of findings**

This report presents the findings of the Independent Environmental Audit. This report summarises the compliance with the Approval, the EPL and EMS.

The findings are summarised in Section 3. The findings are supported by appendices containing:

- A – Correspondence Received
- B - Documentation Reviewed
- C – Compliance Tables C1 and C2 detailing GHD's findings of compliance against the Approval and EPL.

The following categories have been used to assess compliance with the Approval

- Compliant
- Non-compliant
- Not determined
- Not applicable

## 3. Key Findings

The objectives of this audit were to:

- assess the environmental performance of the project, and its effects on the surrounding environment;
- assess whether the project is complying with the relevant standards, performance measures and statutory requirements;
- review the adequacy of any strategy/plan/program required under this approval;
- if necessary recommend measures or actions to improve the environmental performance of the project, and/or any strategy/plan/program required under this approval; and
- provide an update of the status of the implementation of all the audit recommendations outlined within the first independent audit in March 2013.

### 3.1 Environmental performance and compliance

The outcomes of the environmental audit are summarised in the following sections:

- Section 3.2 provides a summary of compliance with the Project Approval DA 07/0123. Table C1 in Appendix C provides a compliance table detailing GHD's audit findings of compliance against the Approval.
- Section 3.3 provides a summary of compliance with the EPL 11765. Table C2 in Appendix C provides a compliance table detailing GHD's audit findings of compliance against the EPL.
- Section 3.4 identifies measures observed during the site inspection requiring management and provides photographic evidence to support the audit.

An Environmental Management Strategy (EMS) (GHD 2010) had been prepared for the site which included the programs and plans developed in accordance with the Project Approval and provides guidance on the management and monitoring tasks as well as frequency for these to be undertaken on site. Observations on site indicate that the EMS had been effectively implemented.

At the time of the audit, a number of positive measures were observed which demonstrated compliance with many of the requirements of the Project Approval and the EPL. Surface water and groundwater monitoring and analysis had been implemented since the last independent audit and blasting monitoring was conducted as required by the approval. A complaints register was implemented and mitigation of complaints was enacted within a 24 hour turn around. The site was clean and tidy, weed management was evident and construction was underway for a new wheel wash. The wheel wash was commissioned prior to completion of this report. Proactive communication with EPA, Shoalhaven Council and the neighbouring South Nowra Correctional Facility was observed.

### **3.2 Adequacy of any Strategies/Plans and Approvals**

On the basis of the site inspection and the review of available records, no material environmental issues were identified. One complaint was made to Shoalhaven City Council in September 2014, and three complaints were made to the EPA relating to material tracked on to the Princes Highway and dust plumes leaving the site as recorded by SCCCR.

A number of measures were observed which require management to improve compliance with the requirements of the Project Approval and the Licence. In particular, the management of records associated with community liaison, uploading monitoring data onto their webpage and reporting and analysis of monitoring results in their AEMR.

In addition, noise monitoring ceased after three compliant consecutive monitoring rounds. In accordance with their EMS, whilst SCCCR was able to demonstrate that they did not operate above their noise limits during those monitoring periods they cannot verify ongoing compliance to those noise limits. It is noted that SCCCR have received no noise complaints.

Table 3-2 provides a summary of the key monitoring and management practices on site and areas that require attention.

**Table 3-1 Status of key monitoring and management practices on site**

Area	Environmental aspect	Reference	Implemented / Requirements 2016 audit
Monitoring	Blasting  Overpressure and ground vibration	Blast Management Plan (Appendix D of EMS)	Blast Management plan being implemented and required information reported.
Monitoring	Noise	Noise Monitoring Plan (Appendix D of EMS)	<p>In accordance with the Noise Monitoring Program, noise monitoring was conducted through 2014 and ceased following three consecutive monitoring rounds where compliance was recorded with the EPL. in accordance with the Noise Monitoring Program.</p> <p>Section 3.3 Nowra Brickworks Quarry, South Nowra Noise Monitoring Program/Blast Management Plan by Heggies states that: <i>"Noise monitoring may be discontinued if compliance with the nominated criteria is demonstrated at all four monitoring locations on three consecutive noise surveys"</i>.</p> <p>SCCCR has satisfied this criterion however if noise monitoring is discontinued, SCCCR will have no mechanism to verify compliance with noise criteria in the future.</p>
Monitoring	Air	Air Quality Management Plan (Appendix I of EMS)	Air Quality Monitoring was conducted as per the requirements of the plan
Monitoring	Heritage	Heritage management procedures (Section 14.9 of EMS)	Not required yet

Area	Environmental aspect	Reference	Implemented / Requirements 2016 audit
Monitoring	Water	Soil and Water management and monitoring (Section 12 and 14 of EMS)	Yes
	Surface water		Yes, although historical events were missed.
	Ground water	Surface Water and Groundwater Monitoring and Response Plan (May 2010) (Appendix F, EMS)	Yes
Monitoring	Landscape and Biodiversity	Landscape and Biodiversity Management Plan (Appendix H of EMS)	Partially (see below)
	Weed Management		Yes, annual weed inspection conducted, continue program
	Rehabilitation		Yes
	Biodiversity Offsets		Consultation with OEH regarding the southern offset area needs to be closed out.
Management	Erosion and Sediment Control Internal auditing program with regular inspections at least fortnightly by quarry manager	Soil and Water Management and monitoring (Section 12 and 14 of EMS)	Yes, record of inspections kept by SCCCCR
Reporting	Annual Environmental Management Reports	Condition 5.4 of Approval	A combined AEMR for 2012-2014 was prepared as was an AEMR for 2015. The reports are adequate except for the exclusion of some monitoring data and analysis.



### 3.3 Compliance with Project Approval DA 07/0123

Table 3-2 presents a summary of compliance with conditions from the Project Approval DA 07/0123. Table C1 in Appendix C provides a compliance table detailing GHD's audit findings of compliance against the Approval.

**Table 3-2 Compliance with Project Approval DA 07/0123**

Compliance	Approval 07/0123
Compliant	46
Non-compliant	6
Not determined	5
Not applicable	12

Table 3-3 presents a summary of the non-compliant conditions from the Approval. Refer to Table C1 in Appendix C for a detailed assessment of compliance with the Approval.

**Table 3-3 Non - Compliant Conditions under Project Approval 07/0123**

Condition	Area	Comment
2.1	Obligation to minimise harm to the environment	Refer to audit outcomes for conditions relating to this approval (Table C1 in Appendix C).
3.19	Water Management	<i>Water Management Plan</i> – Plan had been prepared and implemented although some events/ analytes were not completed or fully reported.
3.36	Traffic and Transport	<i>Road Haulage</i> – Whilst a truck wheel wash had been constructed and was operational at the time of drafting this report, during the reporting period, not all loaded vehicles leaving the site were effectively cleaned of materials that may fall on the road, before they leave the site.
5.4	Environmental Management, Monitoring, Auditing and Reporting	<i>Annual Review</i> – The AEMRs had been prepared for the site but not all data has not been included nor analysed within the reports or reviewed.
5.8	Environmental Management, Monitoring, Auditing and Reporting	<i>Community Consultative Committee</i> – Whilst the DPE letter of 29 march 2010 acknowledges the difficulty faced by SCCCC in establishing a CCC, DPE has not rescinded the requirement.
5.10	Access to information	Blasting results are updated on the company webpage approximately every 2 to 3 months since 2012. Other monitoring results are uploaded onto the web page annually, via the AEMR, however they should be uploaded six monthly as required by the approval.

### 3.4 Compliance with EPL 11765

Table 3-4 presents a summary of compliance with conditions from the Environmental Protection Licence (EPL) 11765. Table C2 in Appendix C provides a compliance table detailing GHD's audit findings of compliance against the EPL.

**Table 3-4 Compliance with EPL 11765**

Compliance	EPL 11765
Compliant	38
Non-compliant	2
Not determined	5
Not applicable	9

Table 3-5 presents a summary of the non-compliance conditions from the Approval. Refer to Appendix C for a detailed assessment of compliance with the EPL.

**Table 3-5 Non-Compliant Conditions under EPL 11765**

Condition	Area	Comment
M1.1/M1.2	Monitoring and recording details	<i>Monitoring records</i> - The records sighted were in accordance with this condition, however not all monitoring was undertaken as required.

### 3.5 Site inspection observations

During the site inspection, a number of measures were observed which require management to achieve compliance with the requirements of the Project Approval and the Licence. In particular, the management of stockpiles and surface water run-off and the monitoring of noise were identified as key areas for improvement.

Additionally, four complaints were received by EPA regarding tracking material from the quarry onto the Princes Highway and dust blowing from the quarry into the surrounding area. During the audit site inspection on the 27<sup>th</sup> January 2016, minor dirt tracking was evident on the Princes Highway. Trucks were observed to be clean of materials and covered when leaving the site although a truck wheel wash was not being used at the time due to its impending completion. It was expected that the wheel wash when in operation will minimise tracking onto the road. The wheel wash was operationally shortly after the completion of the audit and photographs were provided by SCCCR to confirm its operation.

Other adequate dust control measures were evident on site during the inspection.

**Error! Reference source not found.** provides examples of some of the observations made around the site.

**Table 3-6 Site observations**

Plate number	Site observation	Photo
1	Wheel wash being constructed at the time of the site inspection.	
2	Example of dust suppression on equipment	
3	Water for dust suppression pump out	
4	Scrap metal recovered from material brought into site	

Plate number	Site observation	Photo
5	Concrete to be recycled	
6	Air quality monitor DDG2	
7	Groundwater monitoring well P2/BH2 with asphalt stockpile directly adjacent and water collected in a depression.	
8	Woodchip stockpile located beside an access road to the south of the main quarry pit.	







Plate number	Site observation	Photo
9	Wood stockpile south of the main quarry pit and east of the bund wall running along the Princes Highway	
10	Weed control evident on the bund along the same alignment as the Princes Highway. A dead tree part of the biodiversity offset strategy is located in the far-ground within the bund wall.	
11	A dead tree within the vicinity of the bund is retained as a hollow bearing tree.	
12	Blast Monitoring HVAS South and Air Monitoring DDG 4 location. The monitoring location is near the southern residents.	




Plate number	Site observation	Photo
13	Stockpile located in the southern section of the site. The stockpile, has not been constructed according to the erosion and sediment control plan.	
14	Stockpile of cleared trees including hollow logs to be used in remediation	
15	<p>Sediment fence surrounding protected vegetation area.</p> <p>The area appeared to be free of weeds.</p>	







Plate number	Site observation	Photo
16	Dead tree located within the bund/stockpile around the site storage area	
17	Dangerous goods/chemical storage facility	
18	Upgraded entrance into SCCCR Quarries	
19	Operational wheel wash (photo taken on 15 February 2016 by SCCCR)	

Plate number	Site observation	Photo
20	Operational wheel wash (photo taken on 15 February 2016 by SCCCCR)	

## 4. Recommended Actions

The outcomes of this audit identified:

- Four (4) corrective actions, under the Project Approval DA 07/0123 and the EPL 11765.
- Three (3) opportunities for improvement were identified, three under the Project Approval DA 07/0123 and five under the EPL 11765.

### 4.1 Corrective Actions

Corrective actions identified during the audit are summarised in Table 4-1

**Table 4-1 Corrective Actions**

No.	Clause	Corrective Action
CA-1	CoA 3.19	Implement the monitoring requirements of the Surface Water Monitoring Program and Groundwater Monitoring Program.
CA-2	CoA 5.4	Include a comprehensive review of all monitoring results for the reporting period including monitoring results from previous years and predictions in the EA and EA (Mod 1).
CA-3	CoA 5.8	SCCCR should seek approval from the Department to have the requirement amended.
CA-4	CoA 5.10	Upload monitoring results on the company web page at least six monthly.

### 4.2 Opportunities for Improvement

Opportunities for improvement identified during the audit are summarised in Table 4-2

**Table 4-2 Opportunities for Improvement**

No.	Clause	Opportunities for Improvement
IO-1	Sch 2.4	Maintain records of consultation with external stakeholders including agencies and neighbouring land holders.
IO-2	Sch 3.4 and EPL 3.1	Consider undertaking periodic noise monitoring into the future to verify ongoing compliance with noise criteria of the Environmental Protection Licence.
IO-3	Sch 3.14 and 3.36	Update the EMS and ESCP to include the maintenance and operation of the wheel wash facility, and monitoring its effectiveness, to the satisfaction of DPE.
IO-4	Sch 3.24	Update the SWGMRP with the recommendations made by SEEC to the satisfaction of the DPE.
IO-5	Sch 3.25 and 3.30	Provide all current approvals and documentation to OEH with regards to the Biodiversity Offset Strategy and Aboriginal Heritage Management Plan so that their records can be updated.

## **Appendices**

## **Appendix A** Correspondence received



Office of  
Environment  
& Heritage

Date: 22 January 2016  
Your reference: 21/25193  
Our reference: DOC16/33357  
Contact: Dan Robson  
4224 4185

Tim Cook  
Principal Environmental Scientist,  
Lead Environmental Auditor  
GHD  
PO Box 5047  
WOLLONGONG NSW 2500  
E-mail: [tim.cook@ghd.com](mailto:tim.cook@ghd.com)

Dear Tim

**RE: Request for comment – SCCR Independent Environmental Audit**

I write in response to your request to assist in undertaking an independent environmental audit of the Nowra Brickworks quarry major project approval (MP07\_0123). I note that the NSW Office of Environment & Heritage (OEH) provided written comment to GHD regarding this issue in 2013. I have attached that letter and comments as Attachment A. I also note that we have not yet received any further information on biodiversity offsetting and/or Aboriginal cultural heritage, as required by the approval conditions since the date of that letter.

As per our previous correspondence, monitoring of compliance with conditions of consent is the function of the compliance unit of the NSW Department of Planning and Environment (DPE). We would however be interested to receive an update of how the conditions relating to biodiversity and Aboriginal heritage matters have been satisfied following the completion of the audit.

Please contact me on 4224 4185 or via e-mail: [daniel.robson@environment.nsw.gov.au](mailto:daniel.robson@environment.nsw.gov.au) should you have any further queries.

Yours sincerely

**DANIEL ROBSON**  
**Conservation Planning Officer**

Attachment A – Previous OEH response 21 February 2013





**Office of  
Environment  
& Heritage**

Your reference: 23/14739  
70163  
Our reference: DOC 13-6131  
Contact: Martin Henery 0262297062

Maurice Pignatelli  
Manager – Environmental Management and Audit  
GHD Pty Ltd  
Level 7, 16 Marcus Clarke Street, Canberra ACT 2601  
PO Box 1877 Canberra ACT 2601

Dear Mr Pignatelli,

**Re: Independent environmental audit of SCCR Quarry. Request for comment.**

Thank you for your letter dated 22 January 2013, addressed to Diane Garrood, Regional Manager for Parks & Wildlife Group at Nowra, requesting comment from Office of Environment and Heritage (OEH) on a number of auditable obligations under the Project Approval and Environment Protection Licence 11765.

OEH wishes to advise GHD that although a number of relevant conditions of the Project Approval make reference to OEH, we have no jurisdiction to audit compliance on consent conditions included by the Department of Planning (DoP) in the project approval, unless those conditions stipulate that the proponent provide OEH with further information, or contact us to receive further input on matters in regard to biodiversity or Aboriginal cultural heritage.

Since the Part 3A approval process for this project began, the Department of Environment and Climate Change (DECC) has been restructured and OEH is only required to comment on matters of relevance to biodiversity or Aboriginal cultural heritage. Monitoring of compliance with environmental consent conditions, however, is the function of the compliance unit of DoP and OEH does generally not have a role in that process unless required in the project approval, or unless OEH is invited by DoP to participate.

Please refer to Attachment One for details in relation to OEH's knowledge of compliance with conditions for this project.

Yours sincerely,

*M Sheahan 21.2.2013*

**MARK SHEAHAN**

**Manager Landscape and Aboriginal Heritage Protection  
Conservation and Regulation Division  
OFFICE OF ENVIRONMENT AND HERITAGE**

Enclosure:

Attachment One - Office of Environment and Heritage Comments on the conditions of approval for SCCR, Nowra

## ATTACHMENT 1

### OEH comments on relevant post consent conditions for South Coast Concrete Crushing and Recycling, Nowra

#### Biodiversity – Condition 25

Condition No.	Requirement	OEH Comment
25a	(a) review its proposed Biodiversity Offset Strategy (see Table 8), in consultation with DECCW and the Director-General, to seek to identify a replacement for the proposed Southern Biodiversity Offset Area that: <ul style="list-style-type: none"><li>• is located in the vicinity;</li><li>• is not affected by identified future public infrastructure proposals; and</li><li>• has equivalent (or better) biodiversity values;</li></ul>	OEH has no record of receiving or being consulted about the replacement for the proposed Southern Biodiversity Offset Area after project approval. There is email correspondence between Shoalhaven Council, Department of Planning (DoP), the Environment Protection Authority and OEH indicating that SCCCR did submit a Landscape and Biodiversity Management Plan to the DoP and that the DoP were reviewing the plan.
25b	(b) implement the Biodiversity Offset Strategy (as amended under (a) above, if applicable); (	See above. OEH has no role in monitoring implementation of the offset strategy as it is a matter for the compliance unit of the DoP. The role of OEH in the process was during development of the project plan and was advisory only.
25c	c) ensure that adequate resources are dedicated towards the implementation of the strategy;	See above. (Point 25a)
25d	(d) provide appropriate long term security for the offset areas; and	See above. (Point 25a)
25e	(e) provide a timetable for the implementation of the offset strategy prior to the clearing of any forested area of the site, or as otherwise agreed by the Director-General, to the satisfaction of the Director-General.	See above. (Point 25a)

### Aboriginal Cultural Heritage (Condition 30)

Condition No.	Requirement	OEH Comment
30a	The Proponent shall prepare and implement an Aboriginal Cultural Heritage Management Plan to the satisfaction of the Director-General. This plan must: (a) be prepared in consultation with DECCW and local Aboriginal communities:	OEH has no record of receiving or being consulted about the Aboriginal Cultural Heritage Management Plan. As a Director General condition on approval, DoP should have received the plan and provided it to OEH for comment, but OEH has no record of receiving it.
30b	(b) be submitted to the Director-General for approval prior to 30 June 2010; and	See above
30c	(c) include a description of the measures that would be implemented if any new Aboriginal objects or skeletal remains are discovered during the project.	See above



Our reference: EF13/3614 DOC15/528380  
Contact: Julian Thompson (02) 6229 7002

Mr Tim Cook  
Lead Environmental Auditor  
GHD Pty Ltd  
Level 15, 133 Castlereagh St  
SYDNEY NSW 2000

05 January 2016

Dear Mr Cook

**South Coast Concrete Crushing and Recycling Pty Ltd – Princes Highway, South Nowra –  
Environment Protection Licence No. 11765 – Independent environmental audit**

I am writing in response to your letter of 23 December 2015 regarding an independent environmental audit that GHD Pty Ltd has been commissioned to undertake into the Nowra Brickworks Quarry. South Coast Concrete Crushing and Recycling Pty Ltd (SCCCR) operates the quarry and holds Environment Protection Licence No. 11765. A copy of the licence can be downloaded from the EPA's Public Register at <http://www.epa.nsw.gov.au/prpoeoapp/>

You have requested the Environment Protection Authority (EPA) provide comment in relation to SCCCR's environmental performance and compliance with licence conditions to assist with the audit, which is being undertaken as a result of the requirements of the Major Project Approval issued by the Department of Planning & Environment (MP07\_0123).

The EPA has the following comments which may be relevant to the audit.

Noise and vibration

Blasting is limited to once per week at the quarry and noise, blasting and vibration limits are set in the Licence. SCCCR conducts regular noise and vibration monitoring in accordance with the Licence and these are reported to the EPA. There have been no non-compliances with noise or blasting/vibration limits in the past 3 years. There have been no complaints to the EPA about noise or blasting impacts from the quarry in the past 3 years.

Air quality

Dust monitoring is conducted monthly at the quarry with dust gauges and high volume air samplers positioned around the site. Dust is generally within acceptable limits (4mg/m<sup>2</sup>/month) and HVAS results indicate compliance with air quality goals. There were two complaints about dust from the quarry in the past 3 years (both during 2015). In response to these complaints SCCCR upgraded its dust control practices.

Tracking of mud from the site

The EPA received public complaints in June and November 2015 about the tracking of mud, silt and aggregates by vehicles exiting the quarry on to the Princes Highway at South Nowra. I have attached a number of photographs to this letter which show the problem.

The EPA raised this issue with SCCCCR in June 2015. We understand SCCCCR has taken a number extra measures to prevent this happening including, upgrading the site's truck wheel wash, increasing the length of sealed internal roads within the quarry, and increasing the frequency of street sweeping along the section of the Princes Highway immediately north of the exit from the quarry. We wrote to SCCCCR in December 2015 requiring improved performance and prevention of the tracking of silt, mud and aggregates from the site. The EPA will be monitoring the site's performance closely in the future in this regard.

Water Management

As the quarry is situated below the surrounding landscape, all rainfall runoff drains internally into the quarry and is managed within collection dams. There is no permitted water discharge from the site. The EPA is not aware of any water management issues at the site.

I trust these comments are useful. Should you have any queries about them, or wish to discuss this matter further, please do not hesitate to contact me on Ph: (02) 6229 7002.

Yours sincerely



**JULIAN THOMPSON**  
**Unit Head, South East Region**  
**Environment Protection Authority**

Att.



Photographs – 17 November 2015





## Tim Cook

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**From:** Cathy Bern <Cathy.Bern@shoalhaven.nsw.gov.au>  
**Sent:** Thursday, 7 January 2016 12:36 PM  
**To:** Tim Cook  
**Subject:** FW: Request for Comment - South Coast Concrete Crushing and Recylint - Independent Environmental Audit (BRICKWORKS)  
**Attachments:** Request for Comment - Shoalhaven City Council.pdf; Nowra Brickworks Quarry MOD\_Conditions of Approval.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

**CompleteRepository:** 2125193  
**Description:** Environmental Compliance Audit  
**JobNo:** 25193  
**OperatingCentre:** 21  
**RepoEmail:** 2125193@ghd.com  
**RepoType:** Job

Hello Tim,

See below. I await a response from our Environment section.

Regards,

**Cathy Bern**

**Manager, Development Services**

Shoalhaven City Council

Bridge Rd (PO Box 42) NOWRA NSW 2541

02 4429 3527

[Cathy.Bern@shoalhaven.nsw.gov.au](mailto:Cathy.Bern@shoalhaven.nsw.gov.au)

[www.shoalhaven.nsw.gov.au](http://www.shoalhaven.nsw.gov.au)



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**From:** Colin Wood  
**Sent:** Thursday, 7 January 2016 12:32 PM  
**To:** Cathy Bern <Cathy.Bern@shoalhaven.nsw.gov.au>  
**Cc:** Tony Pearman <Tony.Pearman@shoalhaven.nsw.gov.au>  
**Subject:** FW: Request for Comment - South Coast Concrete Crushing and Recylint - Independent Environmental Audit

Hi Cath,

Tony Pearman has provided a response to the compliance action on this matter (Refer below) (Thanks Tony).

It would appear we have only had one minor pollution incident and this was rectified.

Regards,

**Colin Wood**

**Section Manager - Building & Compliance**

Shoalhaven City Council

Phone (02) 4429 3454 0403 190 522

Bridge Rd (PO Box 42) Nowra NSW 2541

[colin.wood@shoalhaven.nsw.gov.au](mailto:colin.wood@shoalhaven.nsw.gov.au)

[www.shoalhaven.nsw.gov.au](http://www.shoalhaven.nsw.gov.au)



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**From:** Tony Pearman

**Sent:** Thursday, 7 January 2016 9:34 AM

**To:** Colin Wood <[Colin.Wood@shoalhaven.nsw.gov.au](mailto:Colin.Wood@shoalhaven.nsw.gov.au)>

**Subject:** FW: Request for Comment - South Coast Concrete Crushing and Recylint - Independent Environmental Audit

Hi Colin,

I have discussed this request with Rangers and Compliance Staff and have also conducted a search Council's records relating to Compliance issues as requested.

Council received a complaint back in September 2014 relating to sediment being tracked from the SCCCR quarry onto the Princes Hwy causing a suspect pollution incident. At the time Council Officers inspected the area and deemed the issue to be minor with no further enforcement action necessary. A street sweeper was also observed on site removing the remnants from the road.

It appears this issue is covered in the *Project Approval under Schedule 3 Road Haulage #36* which states: *'a truck wheel wash facility is constructed on the site prior to 30 June 2010, to the satisfaction of the Director-General'*.

I am not aware of any other compliance issues relating to this location in respect to our area of control.

Regards,

**Tony Pearman**

**Team Supervisor - Compliance**

Shoalhaven City Council

02 4429 3612

Bridge Rd (PO Box 42) Nowra NSW 2541

[council@shoalhaven.nsw.gov.au](mailto:council@shoalhaven.nsw.gov.au)

[www.shoalhaven.nsw.gov.au](http://www.shoalhaven.nsw.gov.au)



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**From:** Colin Wood

**Sent:** Monday, January 4, 2016 10:25 AM

**To:** Tony Pearman <[Tony.Pearman@shoalhaven.nsw.gov.au](mailto:Tony.Pearman@shoalhaven.nsw.gov.au)>

**Cc:** Cathy Bern <[Cathy.Bern@shoalhaven.nsw.gov.au](mailto:Cathy.Bern@shoalhaven.nsw.gov.au)>

**Subject:** FW: Request for Comment - South Coast Concrete Crushing and Recylint - Independent Environmental Audit

Hi Tony,

I refer to Cath's email below concerning a request for advice about the above project.

Can you please review the request and provide any compliance comments to me by the end of the week. Environmental Health and the Planners are also preparing a response.

Thanks,

**Colin Wood**

**Section Manager - Building & Compliance**

Shoalhaven City Council

Phone (02) 4429 3454 0403 190 522

Bridge Rd (PO Box 42) Nowra NSW 2541

[colin.wood@shoalhaven.nsw.gov.au](mailto:colin.wood@shoalhaven.nsw.gov.au)

[www.shoalhaven.nsw.gov.au](http://www.shoalhaven.nsw.gov.au)



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**From:** Cathy Bern

**Sent:** Sunday, 3 January 2016 2:21 PM

**To:** James Bonner <[James.Bonner@shoalhaven.nsw.gov.au](mailto:James.Bonner@shoalhaven.nsw.gov.au)>; Kelie Lowe <[Kelie.Lowe@shoalhaven.nsw.gov.au](mailto:Kelie.Lowe@shoalhaven.nsw.gov.au)>;

Colin Wood <[Colin.Wood@shoalhaven.nsw.gov.au](mailto:Colin.Wood@shoalhaven.nsw.gov.au)>

**Subject:** FW: Request for Comment - South Coast Concrete Crushing and Recylint - Independent Environmental Audit

Please see below and the attachments.

In summary, this is an audit. Comment is being sought from Council and a request has been made to group comments under headings as extracted below:

It would be appreciated if you could provide your comments in regard to the performance of S Quarries in meeting these obligations under the following headings:

- Compliance with requirements.
- Progress to meeting requirements.
- Details of any specific incidence of non-compliance.
- Adequacy of actions being taken.
- Adequacy of the requirements of the licence.

I also invite you to comment on SCCR Quarries' performance applicable to Shoalhaven City Licence as you may deem appropriate.

We will need to discuss and ascertain who should have carriage of this. The deadline is 19 Jan.

Thanks,

Cath

**Cathy Bern**

**Manager, Development Services**

Shoalhaven City Council

Bridge Rd (PO Box 42) NOWRA NSW 2541

02 4429 3527

[Cathy.Bern@shoalhaven.nsw.gov.au](mailto:Cathy.Bern@shoalhaven.nsw.gov.au)

[www.shoalhaven.nsw.gov.au](http://www.shoalhaven.nsw.gov.au)



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**From:** Tim Cook [<mailto:Tim.Cook@ghd.com>]

**Sent:** Wednesday, 23 December 2015 2:21 PM

**To:** Cathy Bern <[Cathy.Bern@shoalhaven.nsw.gov.au](mailto:Cathy.Bern@shoalhaven.nsw.gov.au)>

**Subject:** FW: Request for Comment - South Coast Concrete Crushing and Recylint - Independent Environmental Audit

Dear Cathy,

GHD Pty Ltd has been engaged by South Coast Concrete Crushing and Recycling (SCCCR) to undertake an independent environmental audit of the Nowra Brickworks Quarry in South Nowra in accordance with its Project Approval granted by the Department of Planning and Environment.

SCCCR Quarries have a number of auditable obligations to the Department of Planning and Environment under the Project Approval and Environment Protection Licence 11765.

I am writing to you to invite comment from Shoalhaven City Council in regard to these obligations.

I also invite you to comment on SCCCR Quarries' performance with other requirements applicable to Shoalhaven City Council.

Upon receipt of this letter, please advise GHD of the primary contact within your organisation that will be coordinating this request. Should this request be forwarded to another individual within the Office of Heritage and Environment, please provide suitable contact details.

The NSW EPA/ Office of Environment and Heritage will also be contacted for comment.

It would be appreciated if you could submit your written comments by **Tuesday 19 January 2016**.

Kind Regards,  
Tim

**Tim Cook**

**Principal Environmental Scientist**

**Lead Environmental Auditor**

**GHD**

T: +61 2 4222 2300 | D: +61 4222 2314 | V: 212314 | M: 0409 555 316 | E: [tim.cook@ghd.com](mailto:tim.cook@ghd.com)

Level 11 200 Crown Street Wollongong NSW 2500 Australia. PO Box 5047 Wollongong NSW 2520 | [www.ghd.com](http://www.ghd.com)

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## Appendix B Documentation Reviewed

- Correspondence from SCCC to GHD with surrendered DA's as shown on the Shoalhaven City Council website.
- NSW EPA, notice of Licence Variation sent to John Green (SCCCR), 21 December 2015.
- Letter to NSW Department Planning and Infrastructure from City Plan Services (CPS) - Re: Nowra Brickwork Quarry dated 16th September 2013
- NSW Department of Planning and Infrastructure letter: Nowra Brickworks Quarry Project Approval 07\_0123 Independent Environmental Audit 2013 (9/12/2013).
- Confirmation receipt email from DECCW to CPS 23 April 2010, RE: receiving Air Quality Monitoring Program and other programs/plans required in the Project Approval.
- Weigh Bridge inspection certificates (AWS) for two bridges: AWS00351, dated 06/07/15 and 80069/11308 dated 08/07/2015.
- South Coast Concrete Crushing and Recycling (SCCCR) Annual Environmental Management Report (2015)
- South Coast Concrete Crushing and Recycling (SCCCR) Annual Environmental Management Report (2012-2014)
- AEMR Table 2.1 Production and Waste Summary, page 12.
- SCCC spreadsheet with VENM import amount.
- Royalty information Office of State Revenue 1st April - 30th June 2015.
- BCA certificate: BC13/1041 provided for weigh bridge and hut (2013).
- SCCC Maintenance logs (no inspection). E.g. Hyundai 24 Tonne, Hyundai 770-9
- SCCC Weed Spraying Log, 2013-14 & 2015-16
- Record of oil waste removal: Transpacific 20/06/2014, Transpacific 3/09/2015
- Noise Monitoring reports in AEMR (2012-2014) Appendix D, page 230 dated 17 February 2014 (report number 610.12540-R1), 27 May 2014 (report number 610.12540-R2) and 4 September 2014 (report number 610.12540-R3). Monitoring reports by SLR Consulting Australia Pty Ltd.
- AEMR (2015), Section 3.2, page 17
- AEMR (2012-2014) Section 4. Complaints Relations. SCCC complaints spreadsheet Appendix J of AEMR (2015).
- Section 14.4.3 and Section 14.6.3 of the SCCC AEMR (2015)
- SCCC Quarries Nowra Brickwork Quarry Environmental Management Strategy (EMS) (June 2010)
- Noise Monitoring Program (June 2010) (Appendix D, EMS).
- AEMR (2012-2014) Appendix D, page 71 and Section 3.2, page 21
- AEMR (2015), Section 3.2, page 17 and EMS (2010), Section 14.4.2, page 52
- "Heggies Pty Ltd Noise Monitoring program / Blast Management Plan (Report number 10-5695-R3) June 2010 included within the SCCC EMS (2010) Appendix D.
- AEMR (2012-2014), Appendix D, Consultant SLR letter RE: Quarry Noise Monitoring, South Nowra.

- Vibration and air pressure monitor calibration certificates (annual).
- Email from: SW EPA to: SCCCR, 23 October 2015.
- Latest calibration certificates (4/11/2015) for blast monitors by serial number: BE15377, BE15569, BE15777, BE16020, BE16158.
- AEMR (2012-2014), Section 3.1.2 Blasting Analysis (Air Blast Overpressure), blast reports Appendix C completed by Precision Drill and Blast Pty Ltd.
- AEMR (2015), Section 3.1.2 page 15-16. Blast Reports within Appendix C completed by Precision Drill and Blast Pty Ltd.
- Email correspondence regarding blasting operations 06/01/2016
- Blast Report 7th January 2016 Precision Drill and Blast Pty Ltd.
- Email correspondence provided between SCCCR to EPA (22 Oct 2015) regarding blast monitoring results.
- AEMR (2012-2014) Appendix C
- AEMR (2015) Appendix C
- Review of ground vibration monitoring results in 2012-2014 and 2015 AEMR's.
- Blasting results 2013, 2014 and 2015 within the 2012-2014 AEMR and 2015 AEMR
- Letter from EPA to SCCCR regarding complaints about mud tracking and dust coming from site. AEMR (2015) Appendix J SCCCR Quarries Complaints Register.
- Air Quality Management Plan (June 2010) (Appendix I, EMS)
- AEMR (2012) Appendix E - ALS Laboratory reports for particulate monitoring of Deposited Dust, TSP and PM10
- AEMR (2015) Section 3.3 Air Monitoring.
- AEMR (2015) Appendix D ALS air monitoring reports and correspondence with EPA
- EPL 11765
- Surface Water and Groundwater laboratory results AEMR (2012-2014) and AEMR (2015)
- Erosion and Sediment Control Plan (February 2010) (Appendix E, EMS)
- Surface Water and Groundwater Monitoring and Response Plan (May 2010) (Appendix F, EMS).
- AEMR (2012-2014) Appendix D.
- AEMR (2015) Appendix E and Appendix G.
- Site Water Balance (March 2010) (Appendix G, EMS).
- Erosion and Sediment Control Plan (February 2010) (Appendix E, EMS)
- AEMR (2015) Appendix H, Review of Water Quality Monitoring (SEEC, 2015).
- Landscape and Biodiversity Management Plan (February 2010) (Appendix H, EMS)"
- Geoff Lee and Son Pest & Weed Control Invoice 7th January 2016. AMER (2015) site reference photos, page 28. AEMR (2012-2014) Site Reference Photos, page 36.
- South Coast Rentals Tax Invoice for the servicing of the toilet facilities, 01/07/2015 & 18/08/2015
- Landscape and Biodiversity Management Plan (LBMP) (Appendix H of the EMS)

- EMS Appendix J, Aboriginal Heritage Management Plan (2010).
- EMS (2010) Appendix J, Aboriginal Heritage Management Plan (2010), Figure 2, page 4.
- RTA remittance advice (A74729) for \$54 000, dated 25th June 2010
- RMS receipt with pay date 23rd October 2012 (receipt number 0234455078) and 24th October 2012 (receipt number 0234499600) in two \$60,000 allotments.
- Receipt from Regional Publishers regarding the advertisement in the South Coast Register dated 20 October 2010
- Fire Service Plus Service Report/Tax Invoice (no. 55068) dated 4/02/2015.
- AEMR (2012-2014) Section 2.9 Hazardous Material Management, Table 2.1, page 13.
- AEMR (2015) Section 2.9 Hazardous Material Management, Table 2.1, page 12
- Independent Environmental Audit (GHD, 2013).
- AEMR (2015), Appendix D and Appendix J
- AEMR (2015), Appendix J
- SCCCR, Mining Operations Plan (MOP) 2015 to 2021.
- NSW Department of Planning and Infrastructure letter: Nowra Brickworks Quarry Project Approval 07\_0123 Independent Environmental Audit 2013 (9/12/2013).
- SCCCR website: <http://www.scccrquarries.com.au/environment.html>
- Letter J Thompson (EPA) to Tim Cook (GHD), 09 January 2016, *South Coast Crushing and Recycling Pty Limited – Independent Environmental Audit*.
- Letter Daniel Robson, (OEH) to Tim Cook (GHD) 22 January 2016 Request for Comment – SCCCR– *Independent Environmental Audit*.



## **Appendix C** Compliance with Project Approval DA 07/0123 and EPL 11765

Table 1 - Condition of Approval - Compliance with DA07/0123				
		2016 Audit (GHD)		
Number	Condition	Compliance	Evidence	Audit Outcomes
Schedule 2 – Administrative Conditions				
Obligation to Minimise Harm to the Environment				
Sch 2.1	The Proponent shall implement all reasonable and feasible measures to prevent and/or minimise any harm to the environment that may result from the construction, operation, or rehabilitation of the project.	No		Refer to audit outcomes for conditions relating to this approval (this table). While during the audit period, non conformances were noted, additional management as per the EMS has been conducted. Structures such as the now operational wheel wash will work to reduce the potential for tracking of dust and generation of complaints.
Terms of Approval				
Sch 2.2	<p>The Proponent shall carry out the project generally in accordance with the:</p> <p>(a) EA;</p> <p>(b) EA MOD 1;</p> <p>(c) Statement of Commitments; and</p> <p>(d) Conditions of this approval.</p> <p>Notes:</p> <ul style="list-style-type: none"><li>• The general layout of the project is shown in Appendix 1; and</li><li>• The Statement of Commitments is reproduced in Appendix 2.</li></ul>	Yes		Refer to audit outcomes for conditions relating to this approval (this table).
Sch 2.3	If there is any inconsistency between the above documents, the latter document shall prevail to the extent of the inconsistency. However, the conditions of this approval shall prevail to the extent of any inconsistency.	Yes		No inconsistencies were identified.
Sch 2.4	<p>The Proponent shall comply with any reasonable requirements of the Director-General arising from the Department's assessment of:</p> <p>(a) any reports, plans, programs, strategies or correspondence that are submitted in accordance with the conditions of this approval; and</p> <p>(b) the implementation of any actions or measures contained in these reports, plans, programs, strategies or correspondence.</p>	Yes	<p>Letter to NSW Department Planning and Infrastructure from City Plan Services (CPS) - Re: Nowra Brickwork Quarry dated 16th September 2013</p> <p>NSW Department of Planning and Infrastructure letter: Nowra Brickworks Quarry Project Approval 07_0123 Independent Environmental Audit 2013 (9/12/2013).</p> <p>Response letter from CPS to Dept. Planning and Infrastructure</p> <p>Confirmation receipt email from DECCW to CPS 23 April 2010, RE: receiving Air Quality Monitoring Program and other programs/plans required in the Project Approval</p> <p>NSW Department of Planning and Infrastructure Letter: Nowra Brickworks Quarry Project Community Consultative Committee (29 March 2010)</p>	<p>CPS submitted a letter containing a summary of changes SCCCCR would implement following the receipt of the draft independent audit report in 2013 to the Department of Planning and Infrastructure.</p> <p>Department of Planning and Infrastructure issued a letter to SCCCCR on 9th December 2013 following the independent environmental audit in 2013. The letter requested the following:</p> <p>1. Completion Dates for audit recommendations;</p> <p>2. Copies of construction and occupation certificates; and</p> <p>3. Submission of audit report and action plan to Shoalhaven City Council.</p> <p>Confirmation of the completion of all required tasks by the completion dates could not be verified for this audit. It was demonstrated that SCCCCR has had ongoing communication with EPA, South Nowra Correction Facility and Shoalhaven Council for blasting operations and had responded to complaints, as required.</p> <p>DECCW email indicates evidence of receipt of draft plans (which presumably includes Aboriginal Heritage and Biodiversity) with the exception of the Air Quality Management Plan. SCCCCR 's consultant CPS confirmed that it was satisfied that the plans were include in the package of draft plans. (Email 05/07/16 to GHD). However pre-audit correspondence by EPA (Appendix A of this report), indicated that it had not received information on biodiversity offsetting and /or aboriginal cultural heritage as required by the approval conditions. Refer Clauses 3.25 and 3.30 for further discussion.</p> <p>Community consultation - The Department's letter acknowledged the lack of response by stakeholders to SCCCCR's attempts to create a Community Consultation Committee and that other measures were to be undertaken including one further advertisement and a letterbox drop.</p> <p>SCCCCR advised that it undertook an advertisement in the local newspaper and a letter box drop was also conducted to surrounding landowners, as required. Evidence was sighted to confirm that an advertisement was purchased from Regional Publishers Pty Limited for 19 February 2010. A template letter was also sighted to demonstrated SCCCCR communicated its implementation of the project approval to surrounding landowners however there was no evidence of the letter being issued. Refer to Clause 5.8 for further discussion</p> <p><u>Improvement Opportunity 1</u> : Maintain records of consultation with external stakeholders including agencies and neighbouring land holders.</p>

Number	Condition	Compliance	Evidence	Audit Outcomes
Sch 2.5	The Proponent shall prepare revisions of any strategies, plans or programs required under this approval if directed to do so by the Director-General. Such revisions shall be prepared to the satisfaction of, and within a timeframe approved by, the Director-General.	N/A		There had been no requests to revise any plans or strategies, however there was a direction since the last audit to implement the Environmental Management Strategy and management plans as required in the project approval. The Mine Operation Plan was updated in 2015.
Limits of Approval				
Sch 2.7	The Proponent may undertake quarrying operations on the site until 31 December 2039.  <i>Note: Under this approval, the Proponent is required to rehabilitate the site 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 site has been rehabilitated to a satisfactory standard.</i>	N/A		This condition has not been triggered.
Sch 2.8	The Proponent shall not: (a) extract more than 364,000 tonnes per year of clay/shale, structural clay and associated materials (in total) from the site; (b) import more than 50,000 tonnes per year of recycling materials to the site; (c) import more than 125,000 tonnes per year of blending materials to the site; (d) import more than 200,000 tonnes per year of VENM to the site; or (e) despatch more than 500,000 tonnes per year of quarry products from the site.	Yes	Weigh Bridge inspection certificates (AWS) for two bridges: AWS00351, dated 06/07/15 and 80069/11308 dated 08/07/2015.  Surveying conducted by CEH Last survey February 15 - January 16. Survey 21/02/2014  AEMR Table 2.1 Production and Waste Summary, page 12.  SCCCR spreadsheet with VENM import amount.  Royalty information Office of State Revenue 1st April - 30th June 2015.  Site inspection 27th January 2016  Site inspection 27th January 2016	Weigh bridges were installed on site to record import and export amounts. Site personnel advised that they were calibrated regularly by an external company.  Survey indicated that the total volume of material excavated between Feb 2015 and January 2016 was 79,000 m <sup>3</sup> .  A summary table of Production and Waste material is provided in the 2012-2014 and 2015 AEMR.  A spreadsheet of all imported VENM provided with electronic records from 2015.  Royalty sheet was provided during the site investigation. The royalty sheet includes import amounts for materials at 35 cents per Tonne. 1 April - 30 June 82,771 Structural Clay, 1 July - 30 Sept 2015 102,167 Structural Clay 1 Oct - 31 Dec 2015 71,848 Clay shale & 6,245 Structural Clay  Physical copy of all import material records including accepted loads, rejected loads, vehicle and driver information was visually confirmed at SCCCR site.  Site inspection identified that no additional material was being deposited onsite. Visual confirmation of SCCCR records during site inspection.
Management Plans / Monitoring Programs				
Sch 2.9	With the approval of the Director-General, the Proponent may submit any management plan or monitoring program required by this approval on a progressive basis.	N/A		This condition has not been triggered.
Structural Adequacy				
Sch 2.10	The Proponent shall ensure that all new buildings and structures, and any alterations or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the BCA.  Notes: <ul style="list-style-type: none"><li>Under Part 4A of the EP&amp;A Act, the Proponent is required to obtain construction and occupation certificates for the proposed building works.</li><li>Part 8 of the EP&amp;A Regulation sets out the requirements for the certification of the project.</li></ul>	Yes	BCA certificate: BC13/1041 provided for weigh bridge and hut (2013).	All relevant buildings have been constructed according to the relevant requirements of the BCA. No BCA is required for toilets (they are not a permanent structure).  No BCA was required for wheel wash as it is an upgrade of existing infrastructure.
Demolition				
Sch 2.11	The Proponent shall ensure that all demolition work is carried out in accordance with <i>Australian Standard AS 2601-2001: The Demolition of Structures</i> , or its latest version.	N/A		It was established during the audit that demolition has not been carried out on site; hence this condition has not been triggered.

Number	Condition	Compliance	Evidence	Audit Outcomes																				
Operation of Plant and Equipment																								
Sch 2.12	<p>The Proponent shall ensure that all plant and equipment used on site is:</p> <p>(a) maintained in a proper and efficient condition; and</p> <p>(b) operated in a proper and efficient manner.</p>	Yes	<p>SCCCR Maintenance logs (no inspection). E.g. Hyundai 24 Tonne, Hyundai 770-9.</p> <p>Record of oil waste removal : Transpacific 20/06/2014, Transpacific 3/09/2015</p>	<p>All plant and machinery on site appeared to be in good working order. The site has a maintenance record book for each piece of plant for scheduled services and required maintenance. Evidence of operator tickets or training was not sighted.</p> <p>Oil filters and oil waste removed by external company.</p> <p>During the site walkover there was no evidence to suggest plant was not operating in a proper and efficient manner. Site personnel advised that plant and equipment were regularly checked by a representative from the Division of Resources and Energy, however this could not be confirmed during the audit.</p>																				
Schedule 3 – Specific Environmental Conditions																								
Noise																								
Noise Impact Assessment Criteria																								
Sch 3.1	<p>The Proponent shall ensure that the noise generated by the project does not exceed the noise impact assessment criteria in Table 1:</p> <p>Table 1: Operational noise impact assessment criteria dB(A)</p> <table><tr><th>Location and Locality</th><th>Day</th><th>Evening</th><th>Night</th></tr><tr><td>1. 80 Links Road</td><td>39</td><td>35</td><td>35</td></tr><tr><td>2. 371 Old Southern Road</td><td>45</td><td>35</td><td>35</td></tr><tr><td>3. 243 Princes Highway</td><td>49</td><td>38</td><td>38</td></tr><tr><td>4. South Coast Correctional Facility</td><td>51</td><td>37</td><td>37</td></tr></table> <p>Notes:</p> <ul style="list-style-type: none"><li>• To interpret the locations in Table 1, see Appendix 3.</li><li>• Location 3 in Appendix 3 is project related.</li><li>• Noise generated by the project is to be measured in accordance with the relevant requirements, and exemptions (including certain meteorological conditions), of the NSW Industrial Noise Policy.</li><li>• The noise limits do not apply if the Proponent has an agreement with the landowner to generate higher noise levels, and the Proponent has advised the Department in writing of the terms of this agreement.</li></ul>	Location and Locality	Day	Evening	Night	1. 80 Links Road	39	35	35	2. 371 Old Southern Road	45	35	35	3. 243 Princes Highway	49	38	38	4. South Coast Correctional Facility	51	37	37	Yes	<p>Noise Monitoring reports in AEMR (2012-2014) Appendix D, page 230 dated 17 February 2014 (report number 610.12540-R1), 27 May 2014 (report number 610.12540-R2) and 4 September 2014 (report number 610.12540-R3). Monitoring reports undertaken by SLR Consulting Australia Pty Ltd.</p> <p>AEMR (2015), Section 3.2, page 17</p> <p>AEMR (2012-2014) Section 4. Complaints Relations. SCCCR complaints spreadsheet Appendix J of AEMR (2015).</p>	<p>Noise monitoring has occurred at monitoring stations 1,2,4 and 5 by SLR Consulting Australia Pty Ltd and is reported in the AEMR (2012 -2014) Appendix D. Noise monitoring:</p> <ul style="list-style-type: none"><li>- did not occur within the reporting period of 1st December 2012 and 30th November 2013 as road work adjacent to the quarry would have influenced results;</li><li>- occurred in 2014 on three occasions; and</li><li>- did not occur between Dec 2014 and Dec 2015.</li></ul> <p>In accordance with section 4.4.2 Location and Frequency of the Environmental Management Strategy (EMS) by GHD and Section 3.3 Nowra Brickworks Quarry, South Nowra Noise Monitoring Program/Blast Management Plan by Heggies.</p> <p>“Noise monitoring may be discontinued if compliance with the nominated criteria is demonstrated at all four monitoring locations on three consecutive noise surveys”.</p> <p>No noise complaints have been received to date. It is noted during the audit site inspection that the noise generated by the active quarry operations was not audible within the site office.</p>
Location and Locality	Day	Evening	Night																					
1. 80 Links Road	39	35	35																					
2. 371 Old Southern Road	45	35	35																					
3. 243 Princes Highway	49	38	38																					
4. South Coast Correctional Facility	51	37	37																					
Operating Hours																								
Sch 3.2	<p>The Proponent shall comply with the operating hours in Table 2</p> <p>Table 2: Operating hours</p> <table><tr><th>Activity</th><th>Day</th><th>Time</th></tr><tr><td rowspan="3">Quarrying Operations</td><td>Monday – Friday</td><td>7.00 am – 6.00 pm</td></tr><tr><td>Saturday</td><td>7.00 am – 4.00 pm</td></tr><tr><td>Sunday and Public Holidays</td><td>None</td></tr></table> <p>Notes:</p> <ul style="list-style-type: none"><li>• Maintenance activities may be conducted outside weekday hours in Table 3 provided that the activities are not audible at any privately-owned residence, or until 6 pm on Saturdays</li></ul>	Activity	Day	Time	Quarrying Operations	Monday – Friday	7.00 am – 6.00 pm	Saturday	7.00 am – 4.00 pm	Sunday and Public Holidays	None	Yes	<p>Section 14.4.3 and Section 14.6.3 of the SCCCR AEMR (2015)</p> <p>SCCCR Quarries Nowra Brickwork Quarry Environmental Management Strategy (EMS) (June 2010)</p>	<p>SCCCR site is gated and closed during non-operational hours. Hours of operation at the site are consistent with the Project Approval.</p> <p>Performance Targets are included in Sections 14.6.2 and 14.6.3 of the EMS for noise and air quality which state the standard operating hours of the quarry. These hours stated are consistent with this condition of approval. The standard operating hours of the quarry are also included in Section 2.3 of the Noise Monitoring Program and Blast Management Plan in Appendix D of the EMS.</p>										
Activity	Day	Time																						
Quarrying Operations	Monday – Friday	7.00 am – 6.00 pm																						
	Saturday	7.00 am – 4.00 pm																						
	Sunday and Public Holidays	None																						

Number	Condition	Compliance	Evidence	Audit Outcomes
	<p>activities are not audible at any privately-owned residence, or until 6 pm on Saturdays.</p> <ul style="list-style-type: none"><li>• Up to three unladen trucks are permitted to arrive at the site between 6.00 am to 7.00 am on Monday to Saturday; and up to three unladen trucks are permitted to return to the site between 6.00 pm to 8.00 pm on Monday to Friday and between 4.00 pm to 6.00 pm on Saturday.</li><li>• This condition does not apply to delivery of material 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, notification is to be provided to EPA and the affected residents as soon as possible, or within a reasonable period in the case of emergency.</li></ul>		<p>Noise Monitoring Program (June 2010) (Appendix D, EMS). SCCCCR complaints spreadsheet Appendix J of AEMR (2015)</p> <p>Pers. Comm SCCCCR Site Manager and Environmental Representative during site inspection 27 January 2016.</p>	<p>No complaints were received regarding the operating hours of the quarry.</p> <p>An interview with employee's also confirmed compliance with this requirement.</p>
Continuous Improvement				
Sch 3.3	<p>The Proponent shall:</p> <p>(a) implement all reasonable and feasible noise mitigation measures; .</p> <p>(b) investigate ways to reduce the noise generated by the project; and</p> <p>(c) report on these investigations and the implementation and effectiveness of these measures in the AEMR,</p> <p>to the satisfaction of the Director-General.</p>	Yes	<p>AEMR (2012-2014) Appendix D, page 71 and Section 3.2, page 21</p> <p>AEMR (2015), Section 3.2, page 17 and EMS (2010), Section 14.4.2, page 52</p>	<p>No noise monitoring was undertaken between December 2012 and November 2013 following the recommendation from the noise consultant SLR (Appendix D AEMR). Noise monitoring was conducted between December 2013 and November 2014 and ceased due to the following as outlined in the AEMR (2012-2014):</p> <p>"In accordance with section 4.4.2 Location and Frequency of the Environmental Management Strategy</p> <p><i>"Noise monitoring may be discontinued if compliance with the nominated criteria is demonstrated at all four monitoring locations on three consecutive noise surveys"</i></p> <p>Summary:</p> <p>From the three consecutive noise attended surveys carried out on the 17th February, 22nd May and 4th September 2014 it has been clearly demonstrated that the noise emissions generated by the quarry are well within the Project Approval conditions and barely register any impact above the ambient noise of the area. No further noise monitoring will be carried out due to the minimal noise created by the quarrying operation."</p> <p>In accordance with section 14.4.2 Location and Frequency of the Environmental Management Strategy (EMS) by GHD and Section 3.3 Nowra Brickworks Quarry, South Nowra Noise Monitoring Program/Blast Management Plan by Heggies.</p> <p><i>"Noise monitoring may be discontinued if compliance with the nominated criteria is demonstrated at all four monitoring locations on three consecutive noise surveys"</i></p>
Monitoring				
Sch 3.4	<p>The Proponent shall prepare and implement a Noise Monitoring Program for the project to the satisfaction of the Director-General. The Program must:</p> <p>(a) be prepared in consultation with EPA and be submitted to the Director-General for approval within 6 months of the date of this approval;</p> <p>(b) include annual attended noise monitoring;</p> <p>(c) include details of how the noise performance of the project would be monitored; and</p> <p>(d) include a noise monitoring protocol for evaluating compliance with the noise criteria in this approval.</p>	Yes	<p>Heggies Pty Ltd Noise Monitoring program / Blast Management Plan (Report number 10-5695-R3) June 2010 included within the SCCCCR EMS (2010) Appendix D.</p> <p>AEMR (2012-2014), Appendix D, Consultant SLR letter re: Quarry Noise Monitoring, South Nowra.</p>	<p>The Noise Monitoring Program was implemented in February 2014, and no monitoring had occurred before this. In 2013 noise monitoring did not occur at the recommendation of the noise consultant SLR due to adjacent road work. The noise monitoring plan was discontinued during 2015 according to the statement within the Heggies report below:</p> <p>"Noise Monitoring may be discontinued if compliance with the nominated criteria is demonstrated at all four monitoring locations on three (3) consecutive noise surveys."</p> <p><i>Improvement Opportunity 2: Consider undertaking periodic noise monitoring into the future to verify ongoing compliance with noise criteria of the Environmental Protection Licence.</i></p>

Number	Condition	Compliance	Evidence	Audit Outcomes											
Blasting and Vibration															
Air blast Overpressure Limits															
Ground Vibration Impact Assessment Criteria															
Sch 3.6	<div>The Proponent shall ensure that the ground vibration level from blasting at the project does not exceed the levels in Table 4.</div> <div>Table 4: Ground vibration impact assessment criteria</div> <table><tr><th>Receiver</th><th>Peak particle velocity (mm/s)</th><th>Allowable Exceedance</th></tr><tr><td rowspan="2">Residential and South Coast Correctional Facility</td><td>5</td><td>5% total number of blasts in any 12 month period</td></tr><tr><td>10</td><td>0%</td></tr><tr><td>Commercial</td><td>25</td><td>0%</td></tr></table>	Receiver	Peak particle velocity (mm/s)	Allowable Exceedance	Residential and South Coast Correctional Facility	5	5% total number of blasts in any 12 month period	10	0%	Commercial	25	0%	Yes	<div>SCCCR Quarries Nowra Brickwork Quarry EMS (June 2010)</div> <div><b>Blast Results</b></div> <div>Email correspondence provided between SCCCR to EPA (22 Oct 2015) regarding blast monitoring results.</div> <div>AEMR (2012-2014) Appendix C</div> <div>AEMR (2015) Appendix C</div> <div>Review of ground vibration monitoring results 2012-2014 and 2015 AEMR's</div> <div>Blast Report 7th January 2016 Precision Drill and Blast Pty Ltd.</div>	<div>Refer to Condition 3.5 in Table C1 (this table) for details of the EMS and drilling and blasting requirements for the site.</div> <div>An example of the EPA acknowledging blast monitoring results was provided during the audit site inspection. In the email the EPA accepts compliance with licence blasting limits.</div> <div>All blasts were monitored at the four nominated locations (2,3,4 and 5) including four in 2013 and five in 2014. No exceedances were detected.</div> <div>All blasts were monitored at the four nominated locations (2,3,4 and 5) for nine events within 2015. No exceedances were detected.</div> <div>No exceedances have been reported in 2012-2014 and 2015 AEMRs. However the results of the blasting were not represented well in the 2012-2014 AEMR. A review of the reports in Appendix C of the 2012-2014 AEMR revealed no exceedances.</div> <div>A review of the blasting results present in the 2015 AEMR Appendix C corroborates the review of results presented in Section 3.</div> <div>Evidence of one blast in 2016 was provided by SCCCR. It was confirmed by review of the report the blast did not exceed the guidelines outlined in the licence.</div>
Receiver	Peak particle velocity (mm/s)	Allowable Exceedance													
Residential and South Coast Correctional Facility	5	5% total number of blasts in any 12 month period													
	10	0%													
Commercial	25	0%													
Blasting Hours and Frequency															
Sch 3.7	<div>The Proponent shall carry out blasting on site only between 9 am and 3 pm Monday to Friday.</div> <div>No blasting is allowed on weekends and Public Holidays.</div>	Yes	<div>SCCCR Quarries Nowra Brickwork Quarry EMS (June 2010)</div> <div>AEMR (2012-2014) and AEMR (2015), Appendix C</div> <div>Blast Report 7th January 2016 Precision Drill and Blast Pty Ltd.</div>	<div>The EMS describes the drilling and blasting requirements for the site in Section 7. Section 7.2.3 incorporates general restrictions including blasting hours consistent with this condition.</div> <div>A review of the available blasting results are presented in the 2012 and 2015 AEMR Appendix C. A review of all blast reports confirm that all blasts have occurred within the approved hours for 2013, 2014 and 2015.</div> <div>Evidence of one blast in 2016 was provided by SCCCR. It was confirmed by review of the report the blast occurred within the approved hours.</div>											
Sch 3.8	<div>The Proponent shall not carry out more than one blast per week on site.</div> <div>Note: In the case of d ocumented misfire, the Proponent may carry out a second blast in the relevant week.</div>	Yes	<div>SCCCR Quarries Nowra Brickwork Quarry EMS (June 2010)</div> <div>Blasting results 2013, 2014 and 2015 within the 2012-2014 AEMR and 2015 AEMR</div>	<div>The EMS describes the drilling and blasting requirements including requirements consistent with this condition.</div> <div>A review of the blasting results in Appendix C of both AEMRs confirm no more than one blast was conducted per week.</div>											



Number	Condition	Compliance	Evidence	Audit Outcomes
Operating Conditions				
Sch 3.9	The Proponent shall not undertake blasting within 200 metres of any privately-owned land, unless suitable arrangements have been made with the landowner and any tenants to minimise the risk of flyrock-related impact to the property and to human safety to the satisfaction of the Director-General.	Not determined	SCCCR Quarries Nowra Brickwork Quarry EMS (June 2010)	<p>The EMS describes the drilling and blasting requirements for the site in Section 7. Section 7.2.2 incorporates preparatory activities for blasting which includes the requirements consistent with this condition.</p> <p>The current blast areas are at a distance of greater than 200m (Review of Google Earth) from the South Nowra Correctional facility buildings and it is noted that communication is ongoing with the facility. No additional buildings or structures are present within a 200m zone of the current blasting area except for property on the eastern side of the Princes Highway. There is no notification of these properties for blasting, however the risk of flyrock-related impact to property or human safety was identified within the audit as being low. More frequent lower impact blasting has been conducted as general practice. It is noted that Shoalhaven Council is notified of pending blasting events.</p>
Property Inspections				
Sch 3.10	Prior to 30 June 2010, the Proponent shall advise all landowners within 500 m of proposed blasting activities, and any other landowner nominated by the Director-General, that they are entitled to a property inspection to establish the baseline condition of the property.	Yes	Pers comm. SCCCR manager no survey's requested in last three years	<p>Prior to 30 June 2010 as outlined in the previous independent audit dilapidation surveys were completed. No dilapidation surveys have been requested in last three years.</p> <p>SCCCR manager told workers on the Princes Highway upgrade verbally of expected blasting within the quarry site.</p> <p>Email communication sent in advance of blasting activities was observed.</p>
Sch 3.11	<p>If the Proponent receives a written request for a property inspection from any such landowner, the Proponent shall:</p> <p>(a) commission a suitably qualified person, whose appointment has been approved by the Director-General, to inspect and report on the condition of any building or structure on the land, and recommend measures to mitigate any potential blasting impacts; and</p> <p>(b) give the landowner a copy of this property inspection report.</p> <p><i>Note: It is preferable for the property inspection to be carried out prior to the commencement of blasting activities on the site, and the Proponent should facilitate this occurring wherever possible.</i></p>	N/A		No written requests for property inspections were identified, hence the condition was not triggered.
Property Investigations				
Sch 3.12	<p>If any landowner within 500 m of proposed blasting activities, or any other landowner nominated by the Director-General, claims that his/her property, including vibration-sensitive infrastructure such as water supply or underground irrigation mains, has been damaged as a result of blasting at the project, the Proponent shall within 3 months of receiving this request:</p> <p>(a) commission a suitably qualified person whose appointment has been approved by the Director-General to investigate the claim and prepare a property investigation report; and</p> <p>(b) give the landowner a copy of the report.</p> <p>If this independent investigation confirms the landowner's claim, and both parties agree with these findings, then the Proponent shall repair the damage to the satisfaction of the Director-General.</p> <p>If the Proponent or landowner disagrees with the findings of the independent property investigation, then either party may refer the matter to the Director-General for resolution.</p>	N/A		No damaged infrastructure complaints have been received; hence the clause was not triggered.
Management				
Sch 3.13	Prior to 30 June 2010, the Proponent shall prepare and implement a detailed Blast Management Plan for the project to the satisfaction of the Director-General. The Plan must:	Yes	SCCCR Quarries Nowra Brickwork Quarry EMS (June 2010)	The EMS includes a Blast Management Plan (Appendix D) which was prepared to meet the requirements of this condition. The EMS also describes the drilling and blasting requirements for the site in Section 7. Section 14.3 provides details of required blast monitoring including relevant criteria and levels and references a blast design record sheet provided in Appendix K which should be completed for each blast.

Number	Condition	Compliance	Evidence	Audit Outcomes									
	(a) be prepared in consultation with EPA;  (b) substantiate blast design to ensure compliance with blast criteria;  (c) include protocols for communicating with all neighbouring landholders regarding scheduled blasts;  (d) include details of how and at what locations blasting performance would be monitored; and  (e) include a blast monitoring protocol for evaluating compliance with the blast criteria in this approval.		AEMR 2012 and 2015, Appendix C Blast Monitoring Reports.	Schedule 3.13(a) - (e) addressed in last independent audit (2013).  Blast monitoring has been undertaken according to licence requirements. Refer also to Condition 3.5 and 3.6 (this table) for details on the results of the program.									
Air Quality													
Continuous Improvement													
Sch 3.14	The Proponent shall: (a) implement all reasonable and feasible dust mitigation measures; (b) investigate ways to reduce the dust generated by the project; and (c) report on these investigations and the implementation and effectiveness of these measures in the AEMR, to the satisfaction of the Director-General.	Not determined	Letter from EPA to SCCCR regarding complaints about mud tracking and dust coming from site. AEMR (2015) Appendix J SCCCR Quarries Complaints Register.  Letter from EPA to GHD dated 05/01/2016  AEMR (2012-2014)  AEMR (2015)  Site inspection 27th January 2016	Three complaints regarding dust blowing from the site were received including a complaint regarding dirt tracking onto the Princes Highway were received by EPA and forwarded onto SCCCR. Two were received in June 2015 and one in November 2015. SCCCR advised that it suspected dust was blowing from the neighbours to the north of the quarry and the EPA were notified. There was insufficient evidence to confirm the source of the complaints hence a Not Determined was awarded for this clause.  Refer to Clause 3.14 for discussion regarding tracking of sediment onto public roads.  During the AEMR reporting period of 2012-2014 the quarry implemented environmental controls to reduce dust. The quarry used dust suppression equipment on the processing plant in the form of sprinklers, implemented the watering of surfaces using water from the Water Storage Dam and actively covered loads exiting the quarry site.  According to the AEMR reporting period of 2014-2015 similar environmental control of dust occurred since the last AEMR. Additionally a street sweeper occasionally was used to clean the Princes Highway road surface of dust tracking.  The audit site inspection confirmed the environmental controls outlined in the AEMR are implemented on site, although a street sweeper is used on the Princes Highway when needed, dust tracking was evident during the site inspection. In addition, it was observed at the time of the audit, SCCCR were constructing a wheel wash in order to reduce this issue. Prior to completion of the audit report, SCCCR provided photos of the operational wheel wash, designed to reduce the potential of tracking mud onto the Princes Highway.  <i>Improvement Opportunity 3 : Update the EMS and ESCP to include the maintenance and operation of the wheel wash facility, and monitoring its effectiveness, to the satisfaction of DPE.</i>									
Impact Assessment Criteria													
Sch 3.15	The Proponent shall ensure that dust emissions generated by the project do not cause additional exceedances of the criteria listed in Tables 5 to 7 at any residence on privately owned land, or on more than 25 per cent of any privately-owned land. Table 5: Long term impact assessment criteria for particulate matter <table><tr><th>Pollutant</th><th>Averaging Period</th><th>Criterion</th></tr><tr><td>Total suspended particulate (TSP) matter</td><td>Annual</td><td>90 µg/m³</td></tr><tr><td>Particulate matter &lt; 10 µm (PM10)</td><td>Annual</td><td>30 µg/m³</td></tr></table>	Pollutant	Averaging Period	Criterion	Total suspended particulate (TSP) matter	Annual	90 µg/m³	Particulate matter < 10 µm (PM10)	Annual	30 µg/m³	Yes	SCCCR Quarries Nowra Brickwork Quarry EMS (June 2010)  Air Quality Management Plan (June 2010) (Appendix I, EMS)	Section 14.6 of the EMS provides details of required air quality monitoring including relevant criteria and levels. The EMS also includes an Air Quality Management Plan as Appendix I.  <b>Particulate Monitoring</b>
Pollutant	Averaging Period	Criterion											
Total suspended particulate (TSP) matter	Annual	90 µg/m³											
Particulate matter < 10 µm (PM10)	Annual	30 µg/m³											

Number	Condition	Compliance	Evidence	Audit Outcomes														
	<div>Table 6: Short term impact assessment criteria for particulate matter</div> <table><tr><th>Pollutant</th><th>Averaging Period</th><th>Criterion</th></tr><tr><td>Particulate matter &lt; 10 µm (PM<sub>10</sub>)</td><td>24 Hour</td><td>50 µg/m<sup>3</sup></td></tr></table> <div>Table 7: Long term impact assessment criteria for deposited dust</div> <table><tr><th>Pollutant</th><th>Averaging Period</th><th>Maximum increase in deposited dust level</th><th>Maximum total deposited dust level</th></tr><tr><td>Deposited dust</td><td>Annual</td><td>2 g/m<sup>2</sup></td><td>10 g/m<sup>2</sup></td></tr></table> <div>Note: Deposited dust is assessed as 'insoluble solids' as defined by Standards Australia, 1991, AS/NZS 3580.10.1 2003: <i>Methods for Sampling and Analysis of Ambient Air Determination of Particulates Deposited Matter Gravimetric Method.</i></div>	Pollutant	Averaging Period	Criterion	Particulate matter < 10 µm (PM <sub>10</sub> )	24 Hour	50 µg/m <sup>3</sup>	Pollutant	Averaging Period	Maximum increase in deposited dust level	Maximum total deposited dust level	Deposited dust	Annual	2 g/m <sup>2</sup>	10 g/m <sup>2</sup>		<div>AEMR (2012) Appendix E - ALS Laboratory reports for particulate monitoring of Deposited Dust, TSP and PM10</div> <div>AEMR (2015) Section 3.3 Air Monitoring. AEMR (2015) Appendix D ALS air monitoring reports and correspondence with EPA</div>	<div>Deposited Dust (DD), Total Suspended Particulate (TSP) and PM10 monitoring results are provided in the AEMR (2012). DD monitoring was collected monthly throughout 2012 and 2013. All exceedances are included within the AEMR except for one reported in the ALS report for 13 December 2013. Within the AEMR the correct December 2013 results were not included within the summary table or graph (page 24) and appear to be a repeat of January 2014 results. The results for December 2013 included an exceedance of 4.9 g/m2.month. In two cases where exceedances occurred (28/03/2014 and 28/11/2014) the samples were exposed for a period outside AS3580.10.1 specification of 30 +/- 2 days (ALS reports).</div> <div>TSP and PM10 results for 2012 and 2013 are provided in the AEMR (2012) excluding two monitoring results between 21st and 28th March 2013 which were misplaced by ALS and two other samples in the monitoring period of 12th February 2014 and 23rd April 2014 which were misplaced by SCCR. The results available did not exceed the annual average criteria. A summary table of PM10 results for 2013-2014 was not provided in the AEMR (2012) although a second annual average graph for the period of Dec 2012- Nov 2013 was, and it was assumed this was actually for the period of Dec 2013- Nov 2014.</div> <div>The DD results were provided for the period of December 2014 to November 2015. Exceedances were detected for one monitor event (19/12/2014) and was attributed to the neighbour to the north. EPA were notified of the issue (Appendix D). No exceedances were detected for TSP and PM10 throughout the reporting period. Adequate dust monitoring and reporting was conducted.</div>
Pollutant	Averaging Period	Criterion																
Particulate matter < 10 µm (PM <sub>10</sub> )	24 Hour	50 µg/m <sup>3</sup>																
Pollutant	Averaging Period	Maximum increase in deposited dust level	Maximum total deposited dust level															
Deposited dust	Annual	2 g/m <sup>2</sup>	10 g/m <sup>2</sup>															
Air Quality Monitoring																		
Sch 3.16	<div>The Proponent shall prepare and implement an Air Quality Monitoring Program for the project to the satisfaction of the Director-General. This program must:</div> <div>(a) be prepared in consultation with EPA, and be submitted to the Director-General for approval prior to 30 June 2010; and</div> <div>(b) include details of how the air quality performance of the project will be monitored, and include a protocol for evaluating compliance with the relevant air quality criteria in this approval.</div>	Yes		<div>Preparation of air quality monitoring as outlined in previous external audit (2013). Refer to Schedule 3.15 in this table for details on implementation of the monitoring program.</div>														
Water Management																		
Discharge																		
Sch 3.17	<div>Except as may be expressly provided for by an EPL, the Proponent shall comply with section 120 of the <i>Protection of the Environment Operations Act 1997</i> during the carrying out of the project.</div>	Yes	EPL 11765	<div>No exceptions provided by the EPL.</div> <div>Refer also to Condition 3.19 in Table C1 (this table) below.</div>														
Water Management Plan																		
Sch 3.19	<div>The Proponent shall prepare and implement a Soil and Water Management Plan for the project to the satisfaction of the Director-General. This plan must:</div> <div>(a) be prepared in consultation with DECCW and NOW, and be submitted to the Director-General for approval prior to 30 June 2010; and</div> <div>(b) include a:</div> <div>• Site Water Balance;</div>	Yes	<div>Surface Water and Groundwater laboratory results</div> <div>AEMR (2012-2014) and AEMR (2015)</div> <div>Site audit inspection 27 January 2016</div> <div>EMS</div>	<div>The preparation of a Soil and Water Management Plan was conducted as outlined in the previous external audit (GHD, 2013).</div> <div><b>Site Water Balance</b> - During the audit site inspection it was noted current flow is retained in the water storage facility (see Sheet ESCP01 in ESCP) and in high rainfall events drains into the sediment basin within the quarry excavation area. Water collected in the vegetated area to the south of the quarry are diverted into Nowra Creek. A stockpile is located upslope of a water channel that ultimately flows to Nowra Creek. Sediment control fences are in place between the water channel and stockpile and sediment control measures outlined in the Erosion and Sediment Control Plan have been implemented.</div>														

Number	Condition	Compliance	Evidence	Audit Outcomes
	<div><div>Erosion and Sediment Control Plan;</div><div></div><div><div>• Surface Water Monitoring Program;</div><div>• Ground Water Monitoring Program; and</div><div>• Surface and Groundwater Response Plan.</div></div></div>	<div></div> <div>No</div>	<div>Erosion and Sediment Control Plan (February 2010) (Appendix E, EMS)</div> <div>Surface Water and Groundwater Monitoring and Response Plan (May 2010) (Appendix F, EMS).</div> <div>AEMR (2012-2014) Appendix D. AEMR (2015) Appendix E and Appendix G.</div>	<div><b>Erosion and Sediment Control</b> - As outlined within the ESCP within the EMS (2010) regular inspections were conducted at least fortnightly by the quarry manager and a record is provided in the AEMR's (2012-2014, 2015). A large stockpile in the same location as the stockpile mentioned in the previous external audit (GHD, 2013) has not been installed according to the standard drawing 4-1 of the Blue Book in particular, no earth bund is located above the stockpile. Sediment fences are installed between the stockpile and the channel exiting the quarry site (downslope) although they are not installed within 1-2 m. According to the EMS (2010) any newly formed perimeter bund or stockpile are to have a sediment fence installed along the edge which was not noticed on site. There were no new perimeter bunds or stockpiles on site from the last audits. It is noted that the gap in the perimeter bund identified in the last audit had been repaired.</div> <div><b>Surface Water</b> - Water Monitoring has been undertaken after rainfall events greater than 50 mm and/or during flow events in Nowra Creek that exceed the natural, dry-weather base flow at location S4, C1, C2, C10 and S5 three times in 2013 and seven times in 2014. In 2015 six monitoring events were conducted and analytical results provided in the 2015 AEMR. S5 is not shown on the map. According to the EMS (2010) at least five monitoring events should occur per year therefore two extra sampling events were needed in 2013, however SCCCCR has been compliant with this condition throughout 2014 and 2015.  Default trigger values are provided in the EMS (2010) for sampling parameters. A review of monitoring events in 2013 and 2014 are provided in the AEMR (2015) Appendix H, however these do not include eight monitoring events between 03 December 2014 and 27 August 2015. In the AEMR (2015) some parameters have not been compared against the relevant criteria. SCCCCR stated that SEEC will conducted another review of results before the 2016 AEMR.</div> <div><b>Groundwater</b> - The Groundwater monitoring program has been partially implemented as outlined in the EMS (2010). Quarterly sampling occurred in 2013 and 2014 in-line with the Surface Water and Groundwater monitoring and Response Plan except for one monitoring event that was missed between March and September 2014.  Sampling has occurred at four wells (P2, P3, P5 and P7) and was reduced to three before the September 2014 monitoring event due to the destruction of P5 (as mention in the ALS report). Monitoring in 2015 has continued every quarter at wells P2, P3, P5 and P7. A review of monitoring results in 2013 and up to September 2014 were provided in the AEMR (2015) Appendix H.</div> <div><b>Corrective Action 01:</b> Implement the monitoring requirements of the Surface Water Monitoring Program and Groundwater Monitoring Program.</div>
Site Water Balance				
Sch 3.20	<div>The Site Water Balance must:</div> <div>(a) include details of:</div> <div><div>• sources and security of water supply;</div><div>• water make and use on site;</div><div>• water management on site;</div><div>• any off-site water transfers; and</div><div>• reporting procedures; and</div></div> <div>(b) investigate and describe measures to minimise water use by the project.</div>	Yes	<div>SCCCR Quarries Nowra Brickwork Quarry EMS (June 2010)</div> <div>Site Water Balance (March 2010) (Appendix G, EMS).</div> <div>Pers. Comm quarry site manager audit site inspection 27th January 2016.</div> <div>Surface Water and Groundwater Monitoring and Response Plan (May 2010) (Appendix F, EMS)</div> <div>Erosion and Sediment Control Plan (February 2010) (Appendix E, EMS)</div>	<div>A Site Water Balance was prepared as part of the EMS (Appendix G). The report meets the majority of these items for this condition excluding reporting procedures but refers to the Surface Water and Groundwater Monitoring and Response Plan to manage this aspect.</div> <div>The report provides four commitments from the water balance modelling which includes construction and maintenance of a 50 ML storage pond on site with the provision made in the storage pond design so that any overflow runs back into the quarry pit and not off site. According to the site manager the size of the storage pond (50 ML) had not changed.</div> <div>Refer also to Condition 3.19 in Table C1 (this table) above.</div>
Erosion and Sediment Control				

Number	Condition	Compliance	Evidence	Audit Outcomes
Sch 3.21	<p>The Erosion and Sediment Control Plan must:</p> <p>(a) be consistent with the requirements of Managing Urban Stormwater: Soils and Construction, Volume 1, 411 Edition, 2004 (Landcom);</p> <p>(b) identify activities that could cause soil erosion and generate sediment;</p> <p>(c) describe measures to minimise soil erosion and the potential for the transport of sediment downstream in Nowra Creek;</p> <p>(d) describe the location, function, and capacity of erosion and sediment control structures; and</p> <p>(e) describe what measures would be implemented to maintain the structures over time.</p>	Yes	<p>Audit Site Inspection 27th January 2016</p> <p>Erosion and Sediment Control Plan (February 2010) (Appendix E, EMS)</p>	<p>An Erosion and Sediment Control Plan (ESCP) was prepared as part of the EMS (Appendix E) and is consistent with the requirements of this condition.</p> <p>See Sch 3.19 for the implementation of this plan at the quarry site.</p>
Surface Water Monitoring				
Sch 3.22	<p>The Surface Water Monitoring Program must include:</p> <p>(a) detailed baseline data on surface water flows and quality in Nowra Creek and any other waterbodies that could potentially be affected by the project</p> <p>(b) surface water and stream health impact assessment criteria;</p> <p>(c) a program to monitor the impact of the project on surface water flows in Nowra Creek, water quality and stream health, including monitoring for major cations and anions; and</p> <p>(d) reporting procedures for the results of the monitoring program.</p>	Yes	<p>SCCCR Quarries Nowra Brickwork Quarry EMS (June 2010)</p> <p>Surface Water and Groundwater Monitoring and Response Plan (May 2010) (Appendix F, EMS)</p>	<p>A Surface Water and Groundwater Monitoring and Response Plan (SWGMRP) (Appendix F of EMS) was prepared to meet the requirements of this condition.</p> <p>Section 5.2 of the SWGMRP provides the results of baseline monitoring for surface waters within the project site and in Nowra Creek. Section 7.1 provides the details of the surface water monitoring program and a response plan to monitor surface water quality and stream health of Nowra Creek.</p> <p>Additionally, the EMS summarises the requirements for surface water monitoring for the site in Section 14.10 - surface water quality and Section 14.11 Nowra Creek health monitoring.</p>
Groundwater Monitoring				
Sch 3.23	<p>The Ground Water Monitoring Program must include:</p> <p>(a) detailed baseline data on ground water levels and quality, based on statistical analysis;</p> <p>(b) ground water impact assessment criteria, including trigger levels for investigating any potentially adverse ground water impacts;</p> <p>(c) a program to monitor ground water levels and quality;</p> <p>(d) a protocol for further ground water modelling to confirm the limits to excavation depth across the site would not adversely affect ground water availability for the environment or local users; and</p> <p>(e) a protocol for the investigation, notification and mitigation of identified exceedances of the ground water impact assessment criteria.</p>	Yes	<p>SCCCR Quarries Nowra Brickwork Quarry EMS (June 2010)</p> <p>Surface Water and Groundwater Monitoring and Response Plan (May 2010) (Appendix F, EMS)</p>	<p>A Surface Water and Groundwater Monitoring and Response Plan (SWGMRP) (Appendix F of EMS) was prepared to meet the requirements of this condition.</p> <p>Section 6.2 of the SWGMRP provides the results of baseline monitoring for groundwater within the project site collected in 2007 including interpretation of these results. Section 7.2 provides the details of the groundwater monitoring program and a response plan to monitor groundwater quality on site.</p> <p>Additionally, the EMS summarises the requirements for groundwater monitoring for the site in Section 14.12.</p>
Surface and Groundwater Response Plan				
Sch 3.24	<p>The Surface and Groundwater Response Plan must describe the measures and/or procedures that would be implemented to:</p> <p>(a) investigate, notify and mitigate any exceedances of the surface water, stream health and ground water impact assessment criteria, including an increase in salinity levels for Nowra Creek; and</p>	Yes	<p>Surface Water and Groundwater Monitoring and Response Plan (May 2010) (Appendix F, EMS)</p>	<p>The SWGMRP incorporates the requirements of this Condition as outlined in the last independent audit (GHD, 2013). No changes have been made to the SWGMRP.</p> <p><b>Implementation</b></p>

[illegible]



Number	Condition	Compliance	Evidence	Audit Outcomes
	<i>Note: The Department accepts that the initial Landscape and Biodiversity Management Plan may not include the detailed Long Term Management Strategy. However, a conceptual strategy must be included in the initial plan, along with a timetable for augmentation of the strategy with each subsequent review of the plan.</i>			
Sch 3.27	<p>The Rehabilitation and Biodiversity Offset Strategy Management Plan must include</p> <p>(a) the rehabilitation objectives for the site and offset areas:</p> <p>(b) a description of the measures that would be implemented to:</p> <ul style="list-style-type: none"><li>• rehabilitate and stabilise the site;</li><li>• minimise the removal of mature trees;</li><li>• implement the Biodiversity Offset Strategy; and</li><li>• manage the remnant vegetation and habitat on the site and in the offset areas;</li></ul> <p>(c) detailed performance and completion criteria for the rehabilitation and stabilisation of the site;</p> <p>(d) a detailed description of how the performance of the rehabilitation of the quarry areas would be monitored over time to achieve the stated objectives:</p> <p>(e) a detailed description of what measures would be implemented to rehabilitate and manage the landscape of the site including the procedures to be implemented for:</p> <ul style="list-style-type: none"><li>• progressively rehabilitating and stabilising areas disturbed by quarrying;</li><li>• implementing revegetation and regeneration within the disturbance areas;</li><li>• protecting areas outside the disturbance areas, including the Biodiversity Offset Strategy areas;</li><li>• vegetation clearing protocols, including a protocol for clearing any trees containing hollows and the relocation of hollows from felled trees;</li><li>• managing impacts on fauna, in particular threatened species;</li><li>• controlling weeds and pests;</li><li>• controlling access;</li><li>• bushfire management; and</li><li>• reducing the visual impacts of the project;</li></ul> <p>(f) a description of the potential risks to successful rehabilitation and a description of the contingency measures that would be implemented to mitigate these risks; and</p> <p>(g) details of who is responsible for monitoring, reviewing, and implementing the plan.</p>	Yes	<p>SCCCR Quarries Nowra Brickwork Quarry EMS (June 2010)</p> <p>Landscape and Biodiversity Management Plan (LBMP) (Appendix H of the EMS)</p>	<p>Rehabilitation and Biodiversity Offset Management Plan provided in Section 2 of the LBMP includes the details for the items listed and has been prepared to meet the requirements of this Condition.</p>
Sch 3.28	<p>The Long Term Management Strategy must:</p> <p>(a) define the objectives and criteria for quarry closure and post-extraction management;</p> <p>(b) be prepared in consultation with NOW, DRE and Council;</p> <p>(c) investigate and/or describe options for the future use of the site;</p> <p>(d) describe the measures that would be implemented to minimise or manage the ongoing environmental effects of the project: and</p> <p>(e) describe how the performance of these measures would be monitored over time.</p>	N/A		<p>No project activities have reached a stage which requires this condition therefore a Long Term Management Strategy has not been prepared.</p> <p>Refer also to Schedule 3.26 in Table C1 (this table) above.</p>
Rehabilitation				

Number	Condition	Compliance	Evidence	Audit Outcomes
Sch 3.29	<p>Backfilling of the quarry void and water storage facility is restricted to the use of materials which are "Virgin Excavated Natural Materials" as defined in the <i>Protection of the Environment Operations Act 1997</i>, to the satisfaction of the Director-General. The Proponent must consult with the Council to identify the proposed alignment of the link road from Warra Warra Road to the Flinders Industrial Estate. Backfilling within the proposed alignment must use materials and a compaction standard suitable for the future construction of the link road, to the satisfaction of the Director-General.</p> <p><i>Note: the conceptual final landform is shown in Appendix 4.</i></p>	N/A		<p>This condition has not been triggered. The quarry has not reached backfilling stage of the quarry void and water storage facility. VENM is being stored within the facility for future backfilling operations.</p> <p>During the site visit SCCCR informed that the Council proposed link road from Warra Warra Road to the Flinders Industrial Estate is no longer in planning due to the proximity of the Nowra Correctional Facility. The area is now part of the Southern Biodiversity Offset Area.</p>
Heritage				
Aboriginal Cultural Heritage Management Plan				
Sch 3.30	<p>The Proponent shall prepare and implement an Aboriginal Cultural Heritage Management Plan to the satisfaction of the Director-General. This plan must:</p> <p>(a) be prepared in consultation with OEH and local Aboriginal communities;</p> <p>(b) be submitted to the Director-General for approval prior to 30 June 2010; and</p> <p>(c) include a description of the measures that would be implemented if any new Aboriginal objects or skeletal remains are discovered during the project.</p>	Yes	<p>EMS Appendix J, Aboriginal Heritage Management Plan (2010).</p> <p>EMS (2010) Appendix J, Aboriginal Heritage Management Plan (2010), Figure 2, page 4.</p>	<p>An Aboriginal Cultural Heritage Management Plan has been prepared. The plan has been incorporated into the EMS (2010).</p> <p>City Plan (Melanie Freeland) received email correspondence from DECCW (Alison McLeod) on 23/04/2010 stating " <i>Thank you for provided the Department of Environment, Climate Change and Water (DECCW) draft copies of the various programs/ plans required in the project approval for South Coast Concrete Crushing and Recycling. A DECCW review of these plans indicates that sufficient information has been provided in the reports with the exception of the Air Quality Monitoring Plan.....</i> ).</p> <p>City Plan advised the auditor that they are confident the Biodiversity Offset Strategy and Aboriginal Heritage Management Plan were included in the package of programs and plans submitted to OEH.</p> <p><a href="#">Refer to Improvement Opportunity 5</a></p> <p><b>Implementation</b></p> <p>No vegetation removal or soil stripping operations have occurred within the area marked as "area to be monitored" (refer to figure in Appendix L of the EMS). Therefore no Aboriginal heritage monitoring has occurred on site.</p>
Visual				
Visual Amenity				
Sch 3.31	<p>The Proponent shall minimise the visual impacts of the project to the satisfaction of the Director-General.</p>	Yes	Audit site inspection 27 January 2016	The visual impacts of the project are reduced by the presence of the earth bunds around the perimeter of the site. Colonisation of mulch/woodchip
Waste Management				
Waste Minimisation				
Sch 3.32	<p>The Proponent shall minimise the amount of waste generated by the project to the satisfaction of the Director-General.</p>	Yes	Audit site inspection 27 January 2016	<p>The quarry imports construction, concrete and waste bitumen material for crushing and recycling. Bitumen and concrete stockpiles waiting for recycling were evident on site (<b>refer to photo 5 and 7</b>). The site generates scrap steel and general rubbish, with the steel scrap clearly visible within bins. General waste is disposed to landfill.</p> <p>Sewage is taken off-site.</p>
Traffic and Transport				
Sch 3.33	<p>The Proponent shall make a monetary contribution of \$174,000 to the RTA for the construction of the following elements of the proposed Princes Highway upgrade between Central Avenue and Warra Warra Road:</p> <ul style="list-style-type: none"><li>the central median for a length of 60 m; and</li><li>a left turn deceleration lane on the southbound approach to the quarry access road.</li></ul>	Yes	<p>RTA remittance advice (A74729) for \$54 000, dated 25th June 2010</p> <p>RMS receipt with pay date 23rd October 2012 (receipt number 0234455078) and 24th October 2012 (receipt number 0234499600) in two \$60,000 allotments.</p>	<p>An original contribution of \$54,000 was made to the Roads and Traffic Authority (RTA) on 24th June 2010.</p> <p>SCCCR have provided the required monitory contribution to the Roads and Maritime Services as evident in two RMS receipts with pay date (23/10/12 and 24/10/12) for the payment of \$120 000 in two allotments of \$60 000.</p>

Number	Condition	Compliance	Evidence	Audit Outcomes
Sch 3.34	<p>The Proponent shall pay the monetary contribution required by condition 33 according to the following schedule:</p> <p>(a) \$54,000 paid prior to 30 June 2010; and</p> <p>(b) \$40,000 paid prior to 30 June in each of the years 2011, 2012 and 2013, unless the RMS commences the proposed upgrade prior to the completion of these payments, in which case any remainder of the contribution not yet paid is payable immediately.</p>	Yes		Refer to Condition 3.33 for details on the required payments. All payments have been made, although not in the order as outlined in 3.34(b) due to the commencement of the proposed upgrade prior to the completion of the payments.
Sch 3.35	<p>The Proponent shall upgrade the access to the development and land shall be dedicated generally in accordance with the RMS's preliminary concept design (see Appendix 5) to ensure the access accommodates swept paths for B-doubles and the future Princes Highway alignment, prior to the completion of the proposed Princes Highway upgrade and to the satisfaction of the RMS.</p>	Yes	Audit site inspection 27 January 2016	Upgraded access to the quarry has been completed by SCCCR to the road boundary as evident during the site inspection ( <b>refer to photo 18</b> ). It has included the sealing of the road surface from the wheel wash to the edge of the Princes Highway.
Road Haulage				
Sch 3.36	<p>The Proponent shall ensure that:</p> <p>(a) all loaded vehicles entering or leaving the site are covered;</p> <p>(b) all loaded vehicles leaving the site are cleaned of materials that may fall on the road, before they leave the site; and</p> <p>(c) a truck wheel wash facility is constructed on the site prior to 30 June 2010, to the satisfaction of the Director-General.</p>	No	<p>Letter from EPA to SCCCR regarding complaints about mud tracking from site. AEMR (2015) Appendix J SCCCR Quarries Complaints Register.</p> <p>AEMR (2015)</p> <p>Audit site inspection 27 January 2016.</p>	<p>Three complaints regarding sediment tracking onto the Princes Highway were received by EPA and forwarded onto SCCCR. Two were received in June 2015 and one in November 2015. No complaints were received in the 2012-2014 reporting period.</p> <p>According to the AEMR reporting period of 2014-2015 a street sweeper occasionally was used to clean the Princes Highway road surface of dust tracking.</p> <p>During the audit site inspection, trucks were observed to be clean of materials and covered when leaving the site although minor dirt tracking was evident on the road surface of the Princes Highway leading from the SCCCR entry/exit. A truck wheel wash was under construction during the audit site inspection. Completed photos were provided by SCCCR after the audit.</p> <p>It was concluded that , whilst a truck wheel wash had been constructed and was operational at the time of drafting this report, during the reporting period, not all loaded vehicles leaving the site were effectively cleaned of materials that may fall on the road, before they leave the site. As the truck wheel wash has already been commissioned, no further corrective actions have been specified to address this non-conformance.</p> <p><i>Refer to Improvement Opportunity 3</i></p>
Emergency and Hazardous Management				
Dangerous Goods				
Sch 3.37	<p>The Proponent shall ensure that the storage, handling, and transport of fuels and dangerous goods are conducted in accordance with the relevant <i>Australian Standards</i>, particularly AS1940 and AS1596, and the <i>Dangerous Goods Code</i>.</p>	Yes	Site audit inspection 27 January 2016	<p>During the site audit inspection, it was observed that the site has a dedicated storage facility for small amounts of dangerous goods stored on site (<b>refer to Photo 17</b>). This storage area was in the form of a container which is bunded and locked. It was not determined during the audit whether this facility meets the relevant <i>Australian Standards</i> (particularly AS1940 and AS1596) and the Dangerous Goods Code. Ventilation has been included within the storage facility. The total storage area is used to park cars, store and maintenance machinery, store equipment and rubbish such as tyres.</p> <p>A MSDS register is maintained on site within the site office.</p> <p>Empty metal drums were observed on site within the storage area near a group of trees on a elevated ground surface like those observed during the last independent audit (GHD, 2013). No oily residue was observed on the ground.</p>

Number	Condition	Compliance	Evidence	Audit Outcomes
Safety				
Sch 3.38	The Proponent shall secure the project to ensure public safety to the satisfaction of the Director-General.	Yes	Audit site inspection 27 January 2016	A security fence surrounds the majority of the site and where fencing is not present; the bund wall acts as a barrier between the site and the public. The gap within the bund wall has been rectified.
Bushfire Management				
Sch 3.39	The Proponent shall:  (a) ensure that the project is suitably equipped to respond to any fires on-site; and  (b) assist the rural fire service and emergency services, if safe to do so, if there is a fire on-site.	Yes	Audit inspection 27 January 2016  Fire Service Plus Service Report/Tax Invoice (no. 55068) dated 4/02/2015.	A water truck is stored on site as well as fire extinguishers on plant and equipment. There is also a water storage pond on site. No fire has occurred in site to trigger clause (b).  All equipment is serviced by a fire safety specialist.
Production Data				
Sch 3.40	The Proponent shall:  (a) provide annual production data to the DRE using the standard form for that purpose; and  (b) include a copy of this data in the AEMR.	Not determined	AEMR (2012-2014) Section 2.9 Hazardous Material Management, Table 2.1, page 13. AEMR (2015) Section 2.9 Hazardous Material Management, Table 2.1, page 12	SCCCR advised that the production data forms were submitted to the DRE although they were not provided during the audit site inspection.  A summary table of production and waste summary has been included within AEMR (2012-2014) and AEMR (2015) although it is unknown if this is the form the data is submitted to the DRE. Royalty sheet was provided during the site investigation.
Schedule 4 – Additional Procedures				
Notification of Landowners				
Sch 4.1	If the results of monitoring required in schedule 3 identify that impacts generated by the project are greater than the relevant impact assessment criteria, then the Proponent shall notify the Director-General and affected landowners and tenants, and provide quarterly monitoring results to each of these parties until the results show that the project is complying with the relevant criteria.	N/A		This condition has not been triggered.
Independent Review				
Sch 4.2	If a landowner of privately-owned land considers that the project is exceeding any of the impact assessment 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.  If the Director-General is satisfied that an independent review is warranted, the Proponent shall within 3 months of the Director-General advising that an independent review is warranted:  (a) consult with the landowner to determine his/her concerns;  (b) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Director-General, to conduct monitoring on the land, to determine whether the project is complying with the relevant criteria in schedule 3, and identify the source(s) and scale of any impact on the land, and the project's contribution to this impact; and  (c) give the Director-General and landowner a copy of the independent review.	N/A		This condition has not been triggered.
Sch 4.3	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.	N/A		This condition has not been triggered.

Number	Condition	Compliance	Evidence	Audit Outcomes
Sch 4.4	<p>If the independent review determines that the project is not complying with the relevant criteria in schedule 3, and that the project is primarily responsible for this non-compliance, then the Proponent shall:</p> <p>(a) implement all reasonable and feasible measures, in consultation with the landowner, to ensure that the project complies with the relevant criteria; and</p> <p>(b) conduct further monitoring to determine whether these measures ensure compliance; or</p> <p>(c) secure a written agreement with the landowner to allow exceedances of the relevant criteria in schedule 3, to the satisfaction of the Director-General.</p> <p>If the additional monitoring referred to above subsequently determines that the project is complying with the relevant criteria in schedule 3, or the Proponent and landowner enter into a negotiated agreement to allow these exceedances, then the Proponent may discontinue the independent review with the approval of the Director-General.</p>	N/A		This condition has not been triggered.
Sch 4.5	<p>If the landowner disputes the results of the independent review, either the Proponent or the landowner may refer the matter to the Director-General for resolution.</p> <p>If the matter cannot be resolved within 21 days, the Director-General shall refer the matter to an Independent Dispute Resolution Process (see Appendix 6).</p>	N/A		This condition has not been triggered.
Schedule 5 – Environmental Management, Monitoring, Auditing and Reporting				
Environmental Management Strategy				
Sch 5.1	<p>The Proponent shall prepare and implement an Environmental Management Strategy for the project to the satisfaction of the Director-General. This strategy must:</p> <p>(a) be submitted to the Director-General for approval by 30 June 2010;</p> <p>(b) provide the strategic framework for environmental management of the project;</p> <p>(c) identify the statutory approvals that apply to the project;</p> <p>(d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project;</p> <p>(e) describe the procedures that would be implemented to:</p> <ul style="list-style-type: none"><li>• keep the local community and relevant agencies informed about the operation and environmental performance of the project;</li><li>• receive, handle, respond to, and record complaints;</li><li>• resolve any disputes that may arise during the course of the project;</li><li>• respond to any non-compliance; and</li><li>• respond to emergencies; and</li></ul> <p>(f) include:</p> <ul style="list-style-type: none"><li>• copies of the various strategies, plans and programs that are required under the conditions of this approval once they have been approved; and</li><li>• a clear plan depicting all the monitoring currently being carried out within the project area.</li></ul>	Yes	<p>SCCCR Quarries Nowra Brickwork Quarry EMS (June 2010)</p> <p>Independent audit (GHD, 2013)</p> <p>Refer to 3.30 for consultation of the required plans by DECCW</p>	<p>The EMS reviewed during the last independent audit (2013) is still in effect and has been prepared according to all requirements.</p> <p><b>Implementation</b></p> <p>The EMS is being progressively implemented. The Surface Water, Groundwater and Erosion and Sediment Control monitoring is being undertaken to the most part (refer to condition 3.19). The Landscape and Biodiversity Monitoring has been implemented. Blast monitoring is effectively monitored (refer to section 3.5). Noise monitoring has only occurred in 2014 (refer to condition 3.1). Evidence of ongoing communication was provided within the audit and provided within the AEMR 2015.</p> <p>SCCCR received complaints associated with dust and this was also identified in the pre-audit correspondence with GHD by regulatory authorities. Ongoing correspondence to address the complaints was observed. During the audit it was noted that a new wheel was being constructed. SCCCR provided evidence of the operation of the wheel wash after the audit.</p>
Incident Reporting				

Number	Condition	Compliance	Evidence	Audit Outcomes
Sch 5.2	Within 24 hours of detecting an exceedance of the limits/performance criteria in this approval or the occurrence of an incident that causes (or may cause) material harm to the environment, the Proponent shall notify the Department and other relevant agencies of the exceedance/incident.	Yes	AEMR (2015), Appendix D and Appendix J	No exceedances have occurred in the reporting period from 2012 to 2015. Three incident reports were forwarded onto SCCCCR in 2015 regarding dust leaving the quarry site and were responded to within 24hrs. The Department was not notified of the incident as it did not constitute "material harm". In the 2015 AEMR an exceedances was detected for one monitor event (19/12/2014) and was attributed to the neighbour to the north. EPA were notified of the issue (Appendix D) although the Department was not notified as it did not constitute "material harm".
Sch 5.3	Within 6 days of notifying the Department and other relevant agencies of an exceedance/incident, the Proponent shall provide the Department and these agencies with a written report that must:  (a) describe the date, time, and nature of the exceedance/incident;  (b) identify the cause (or likely cause) of the exceedance incident;  (c) describe what action has been taken to date; and (d) describe the proposed measures to address the exceedance/incident.		AEMR (2015), Appendix J	Three incident reports have been submitted to the EPA in regard to dust and tracking incidents at the SCCCCR site. These incidents were addressed by SCCCCR according the conditions in this schedule with the exception of only reporting to the EPA. A written report was made in the form of emails. A record of these emails, including complaints, are found in Appendix J of the AEMR (2015). The Department was not notified of these incidents as they did not constitute "material harm" (Refer to Condition 5.2 above).
Annual Review				
Sch 5.4	By the end of March each year, or other timing agreed by the Director-General, the Proponent shall review the environmental performance of the project to the satisfaction of the Director-General. This review must:  (a) describe the development (including any rehabilitation) that was carried out in the past calendar year, and the development that is proposed to be carried out over the next year;  (b) include a comprehensive review of the monitoring results and complaints records of the project over the past calendar year, which includes a comparison of these results against the: (i) relevant statutory requirements, limits or performance measures/criteria; (ii) requirements of any plan or program required under this approval; (iii) monitoring results of previous years; and <b>(iv) relevant predictions in the EA and EA (MOD 1);</b>  (c) identify any non-compliance over the past calendar year, and describe what actions were (or are being) taken to ensure compliance;  (d) identify any trends in the monitoring data over the life of the project;  (e) identify any discrepancies between the predicted and actual impacts of the project, and analyse the potential cause of any significant discrepancies; and describe what measures will be implemented over the current calendar year to improve the environmental performance of the project.	No	AEMR (2012-2014), MOP 2015 to 2021  AEMR (2015)	Between 2012 and 2014 the report was not submitted within 12 months of the last independent audit but was combined into one Environmental Management Report. The following Annual Environmental Management Report for 2015 was submitted as a single annual report.  Information on future development until 2021 are provided in the Mining Operations Plan (MOP) from 2015-2021. Past Groundwater results are included within the 2012-2014 AEMR, no other past results are included. No non-compliance was identified in monitoring results in the 2012-2014 reporting period.  Surface Water and Groundwater have past monitoring data included within the AEMR (2015), no other monitoring programs have past data in the report. It is evident in the 2012-2014 report some data is available but has not been included in the 2015 AEMR. No non-compliance was identified within the 2015 reporting period. SCCCCR commissioned independent companies to complete a review of monitoring results, however this was conducted half way through the reporting period. Additional analytical information was provided however there was no assessment or comparison.  <b><u>Corrective Action 2: Include a comprehensive review of all monitoring results for the reporting period including monitoring results from previous years and predictions in the EA and EA (Mod 1).</u></b>
Revision of Strategies, Plans and Programs				
Sch 5.4a	Within 3 months of: (a) an Annual Review under condition 5 of schedule 5; (b) an incident report under condition 3 of schedule 5; or (c) a modification to the conditions of this approval, 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 condition 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>	Not determined	NSW Department of Planning and Infrastructure letter: Nowra Brickworks Quarry Project Approval 07_0123 Independent Environmental Audit 2013 (9/12/2013).	SCCCR sent a letter on the 17th September 2013 containing the Independent Environmental Audit Report by GHD (July 2013), also accompanied by an action response. The Department requested a timeline for completion of actions, however the completion of the tasks within the time period was unable to be verified during the audit.
Annual Reporting				



Number	Condition	Compliance	Evidence	Audit Outcomes
Sch 5.4*	<p>Within 12 months of the date of this approval, and annually thereafter, the Proponent shall submit an AEMR to the Director-General and relevant agencies. This report must:</p> <p>(a) identify the standards and performance measures that apply to the project;</p> <p>(b) describe the works carried out in the last 12 months, and the works that will be carried out in the next 12 months;</p> <p>(c) include a summary of the complaints received during the past year, and compare this to the complaints received in previous years;</p> <p>(d) include a summary of the monitoring results for the project during the past year;</p> <p>(e) include an analysis of these monitoring results against the relevant:</p> <ul style="list-style-type: none"><li>• impact assessment criteria/limits;</li><li>• monitoring results from previous years; and</li><li>• predictions in the EA;</li></ul> <p>(f) identify any trends in the monitoring results over the life of the project;</p> <p>(g) identify any non-compliance during the previous year; and</p> <p>(h) describe what actions were, or are being, taken to ensure compliance.</p>			<p><i>(Removed from conditions of approval on the 1st July 2013)</i></p>
Independent Environmental Audit				
Sch 5.5	<p>Within 3 years of the date of 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:</p> <p>(a) be conducted by a suitably qualified, experienced, and independent team of experts whose appointment has been approved by the Director-General;</p> <p>(b) assess the environmental performance of the project, and its effects on the surrounding environment;</p> <p>(c) assess whether the project is complying with the relevant standards, performance measures and statutory requirements;</p> <p>(d) review the adequacy of any strategy/plan/program required under this approval; and, if necessary,</p> <p>(e) recommend measures or actions to improve the environmental performance of the project, and/or any strategy/plan/program required under this approval.</p>	Yes		<p><i>This independent environmental audit is being undertaken as per this Condition.</i></p>
Sch 5.6	<p>Within 1 month of completion of each Independent Environmental Audit, the Proponent shall submit a copy of the audit report to the Director-General and relevant agencies, with a response to any of the recommendations in the audit report.</p>	Yes	NSW Department of Planning and Infrastructure letter: Nowra Brickworks Quarry Project Approval 07_0123 Independent Environmental Audit 2013 (9/12/2013).	SCCCR sent a letter on the 17th September 2013 containing the Independent Environmental Audit Report by GHD (July 2013), also accompanied by an action response.
Sch 5.7	<p>Within 3 months of submitting a copy of the audit report to the Director-General, the Proponent shall review and if necessary revise the:</p> <p>(a) strategies/plans/programs required under this approval; and</p> <p>(b) rehabilitation bond, to consider the:</p> <ul style="list-style-type: none"><li>• effects of inflation;</li><li>• changes to the total area of disturbance; and</li></ul>	Yes	NSW Department of Planning and Infrastructure letter: Nowra Brickworks Quarry Project Approval 07_0123 Independent Environmental Audit 2013 (9/12/2013).	<p>SCCCR sent a letter on the 17th September 2013 containing the Independent Environmental Audit Report by GHD (July 2013), also accompanied by an action response.</p> <p>Within the response letter from the NSW DoPI to SCCCR they requested the following be submitted to the NSW DoPI and Shoalhaven City Council approximately within a year ( Monday 23 December 2014):</p> <p>1. revised proponent's action response incorporating completion dates for the audit recommendations; and</p> <p>2. copies of construction and occupation certificates for all new buildings and structures at the site.</p>

Number	Condition	Compliance	Evidence	Audit Outcomes
	<ul style="list-style-type: none"> <li>performance of the rehabilitation against the completion criteria of the Landscape and Biodiversity Management Plan, to the satisfaction of the Director-General.</li> </ul>			
Community Consultative Committee				
Sch 5.8	<p>Within 3 months of the commencement of quarrying operations, the Proponent shall establish a Community Consultative Committee (CCC) for the project to the satisfaction of the Director-General, in accordance with the Department's <i>Guideline for Establishing and Operating Community Consultative Committees for Mining Projects</i>.</p>	No	<p>NSW Department of Planning and Infrastructure Letter: Nowra Brickworks Quarry Project Community Consultative Committee (29 March 2010)</p>	<p>No CCC has been established due to a lack of community support. It is noted that ongoing communication with EPA, South Coast Correctional Facility and Shoalhaven Council was observed during the audit.</p> <p>SCCCR advised that it undertook an advertisement in the local newspaper and a letter box drop was also conducted to surrounding landowners, as required. Evidence was sighted to confirm that an advertisement was purchased from Regional Publishers Pty Limited for 19 February 2010. A template letter was also sighted to demonstrated SCCCR communicated its implementation of the project approval to surrounding landowners however there was no evidence of the letter being issued.</p> <p>This matter has been assessed as non-compliant as whilst the DPE letter acknowledges the difficulty faced by SCCCR in establishing a CCC, it has not granted rescinded the requirement.</p> <p><b><i>Corrective Action 3: SCCCR should seek approval from the Department to have the requirement amended.</i></b></p>
Access to Information				
Sch 5.9	<p>Within 1 month of the approval of any strategies/plans/programs required under this approval (or any subsequent revision of these strategies/plans/programs), or the completion of the audits or AEMR required under this approval, the Proponent shall:</p> <p>(a) provide a copy of the relevant documents to the relevant agencies and to members of the general public upon request; and</p> <p>(b) ensure that a copy of the relevant documents is made publicly available on its website and at the site.</p>	Yes	<p>Company website (<a href="http://www.scccrquarries.com.au/">http://www.scccrquarries.com.au/</a>).</p> <p>Company website</p>	<p>A copy of the 2012-2014 AEMR and the 2015 AEMR is provided on the website. During the site inspection SCCCR informed the website is currently undergoing updates.</p> <p>The Pollution Incident Management Response Plan (PIMRP) was present as well as the Mining Operations Plan 2015-21 (MOP) which includes the Environmental Management Strategy (EMS) and other plans and strategies.</p>
Sch 5.10	<p>During the project, the Proponent shall:</p> <p>(a) make a summary of monitoring results required under this approval publicly available on its website; and</p> <p>(b) update these results on a regular basis (at least every 6 months).</p>	No	<p><a href="http://www.scccrquarries.com.au/environment.html">http://www.scccrquarries.com.au/environment.html</a></p>	<p>Blasting results are updated on the company webpage approximately every 2 to 3 months since 2012. Other monitoring results are summarised on the company website in the form of the 2012-2014 AEMR and the 2015 AEMR therefore these are updated annually, not six monthly as required by this condition.</p> <p><b><i>Corrective Action 4: Upload monitoring results on the company web page at least six monthly.</i></b></p>

Table 2 - Environmental Protection Licence 11765

		2016 Audit (GHD)														
Number	Condition	Compliance	Evidence	Audit Outcomes												
1. Administrative conditions																
A1 What the licence authorises and regulates																
A1.2	<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. 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> <table><tr><th>Scheduled Activity</th><th>Fee Based Activity</th><th>Scale</th></tr><tr><td>Crushing, Grinding or Separating</td><td>Crushing, grinding or separating</td><td>&gt; 100000 – 5000000 T processed</td></tr><tr><td>Extractive Activities</td><td>Land-based extractive activity</td><td>&gt; 1000000 – 5000000 T extracted, processed or stored</td></tr><tr><td>Resource Recovery</td><td>Recovery of general waste</td><td>&gt; 0 T recovered</td></tr></table>	Scheduled Activity	Fee Based Activity	Scale	Crushing, Grinding or Separating	Crushing, grinding or separating	> 100000 – 5000000 T processed	Extractive Activities	Land-based extractive activity	> 1000000 – 5000000 T extracted, processed or stored	Resource Recovery	Recovery of general waste	> 0 T recovered	Yes	<div>Weigh Bridge inspection certificates (AWS) for two bridges: AWS00351, dated 06/07/15 and 80069/11308 dated 08/07/2015.</div> <div>AEMR Table 2.1 Production and Waste Summary, page 12.</div> <div>SCCCR spreadsheet with VENM import amount.</div> <div>Royalty information Office of State Revenue 1st April - 30th June 2015.</div>	<div>A variation to the EPA licence occurred on the 21st December 2015 and approves a limit of 30 000 tonnes of waste/recycle material to sit on the quarry floor at one time.</div> <div>Refer to Schedule 2.8 in Table C1 (Compliance with DA07_0123) for further details regarding limits of approval.</div>
Scheduled Activity	Fee Based Activity	Scale														
Crushing, Grinding or Separating	Crushing, grinding or separating	> 100000 – 5000000 T processed														
Extractive Activities	Land-based extractive activity	> 1000000 – 5000000 T extracted, processed or stored														
Resource Recovery	Recovery of general waste	> 0 T recovered														
A2 Premises to which this licence applies																
A2.1	<div>The licence applies to the following premises:</div> <table><tr><th>Premise Details:</th></tr><tr><td>South Coast Concrete Crushing and Recycling</td></tr><tr><td>Princes Highway</td></tr><tr><td>Nowra NSW</td></tr><tr><td>2541</td></tr><tr><td>DP823204</td></tr><tr><td>Lot 464 DP 1058778</td></tr></table>	Premise Details:	South Coast Concrete Crushing and Recycling	Princes Highway	Nowra NSW	2541	DP823204	Lot 464 DP 1058778	N/A	EPL 11765	This condition does not require assessment					
Premise Details:																
South Coast Concrete Crushing and Recycling																
Princes Highway																
Nowra NSW																
2541																
DP823204																
Lot 464 DP 1058778																
A3 Information supplied to the EPA																
A3.1	<div>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.</div> <div>In this condition the reference to "the licence application" includes a reference to:</div> <div>(a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and</div> <div>(b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.</div>	N/A		Not assessed												

Number	Condition	Compliance	Evidence	Audit Outcomes																								
2. Discharges to air and water and applications to land																												
P1 Location of monitoring/discharge points and areas																												
P1.1	The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.	Yes	Air Quality Management Plan (June 2010) (Appendix I, EMS)	Refer to Condition 3.15 and 3.16 in Table C1 (Compliance with DA07_0123) above.																								
	<table><tr><th colspan="3">Air</th></tr><tr><th>EPA identification no.</th><th>Type of monitoring point</th><th>Description of location</th></tr><tr><td>1</td><td>Dust Deposition Monitoring</td><td>Dust Deposition Gauge labelled 'DDG1' in Figure 1 "Proposed Monitoring Locations" in the document titled "Now ra Brickw orks Quarry, South Now ra, Air Quality Management Plan" dated 22 June 2010</td></tr><tr><td>2</td><td>Dust Deposition Monitoring</td><td>Dust Deposition Gauge labelled 'DDG2' in Figure 1 "Proposed Monitoring Locations" in the document titled "Now ra Brickw orks Quarry, South Now ra, Air Quality Management Plan" dated 22 June 2010</td></tr><tr><td>3</td><td>Dust Deposition Monitoring</td><td>Dust Deposition Gauge labelled 'DDG3' in Figure 1 "Proposed Monitoring Locations" in the document titled "Now ra Brickw orks Quarry, South Now ra, Air Quality Management Plan" dated 22 June 2010</td></tr><tr><td>4</td><td>Dust Deposition Monitoring</td><td>Dust Deposition Gauge labelled 'DDG4' in Figure 1 "Proposed Monitoring Locations" in the document titled "Now ra Brickw orks Quarry, South Now ra, Air Quality Management Plan" dated 22 June 2010</td></tr><tr><td>5</td><td>High Volume Air Sampler</td><td>High Volume Air Sampler labelled 'HVAS North' in Figure 1 "Proposed Monitoring Locations" in the document titled "Now ra Brickw orks Quarry, South Now ra, Air Quality Management Plan" dated 22 June 2010</td></tr><tr><td>6</td><td>High Volume Air Sampler</td><td>High Volume Air Sampler labelled 'HVAS South' in Figure 1 "Proposed Monitoring Locations" in the document titled "Now ra Brickw orks Quarry, South Now ra, Air Quality Management Plan" dated 22 June 2010</td></tr></table>			Air			EPA identification no.	Type of monitoring point	Description of location	1	Dust Deposition Monitoring	Dust Deposition Gauge labelled 'DDG1' in Figure 1 "Proposed Monitoring Locations" in the document titled "Now ra Brickw orks Quarry, South Now ra, Air Quality Management Plan" dated 22 June 2010	2	Dust Deposition Monitoring	Dust Deposition Gauge labelled 'DDG2' in Figure 1 "Proposed Monitoring Locations" in the document titled "Now ra Brickw orks Quarry, South Now ra, Air Quality Management Plan" dated 22 June 2010	3	Dust Deposition Monitoring	Dust Deposition Gauge labelled 'DDG3' in Figure 1 "Proposed Monitoring Locations" in the document titled "Now ra Brickw orks Quarry, South Now ra, Air Quality Management Plan" dated 22 June 2010	4	Dust Deposition Monitoring	Dust Deposition Gauge labelled 'DDG4' in Figure 1 "Proposed Monitoring Locations" in the document titled "Now ra Brickw orks Quarry, South Now ra, Air Quality Management Plan" dated 22 June 2010	5	High Volume Air Sampler	High Volume Air Sampler labelled 'HVAS North' in Figure 1 "Proposed Monitoring Locations" in the document titled "Now ra Brickw orks Quarry, South Now ra, Air Quality Management Plan" dated 22 June 2010	6	High Volume Air Sampler	High Volume Air Sampler labelled 'HVAS South' in Figure 1 "Proposed Monitoring Locations" in the document titled "Now ra Brickw orks Quarry, South Now ra, Air Quality Management Plan" dated 22 June 2010	Air monitoring locations and requirements are included in the Environmental Management Strategy (EMS) and Air Quality Management Plan.
	Air																											
	EPA identification no.			Type of monitoring point	Description of location																							
	1			Dust Deposition Monitoring	Dust Deposition Gauge labelled 'DDG1' in Figure 1 "Proposed Monitoring Locations" in the document titled "Now ra Brickw orks Quarry, South Now ra, Air Quality Management Plan" dated 22 June 2010																							
	2			Dust Deposition Monitoring	Dust Deposition Gauge labelled 'DDG2' in Figure 1 "Proposed Monitoring Locations" in the document titled "Now ra Brickw orks Quarry, South Now ra, Air Quality Management Plan" dated 22 June 2010																							
	3			Dust Deposition Monitoring	Dust Deposition Gauge labelled 'DDG3' in Figure 1 "Proposed Monitoring Locations" in the document titled "Now ra Brickw orks Quarry, South Now ra, Air Quality Management Plan" dated 22 June 2010																							
	4			Dust Deposition Monitoring	Dust Deposition Gauge labelled 'DDG4' in Figure 1 "Proposed Monitoring Locations" in the document titled "Now ra Brickw orks Quarry, South Now ra, Air Quality Management Plan" dated 22 June 2010																							
	5			High Volume Air Sampler	High Volume Air Sampler labelled 'HVAS North' in Figure 1 "Proposed Monitoring Locations" in the document titled "Now ra Brickw orks Quarry, South Now ra, Air Quality Management Plan" dated 22 June 2010																							
6	High Volume Air Sampler	High Volume Air Sampler labelled 'HVAS South' in Figure 1 "Proposed Monitoring Locations" in the document titled "Now ra Brickw orks Quarry, South Now ra, Air Quality Management Plan" dated 22 June 2010																										

Number	Condition	Compliance	Evidence	Audit Outcomes																														
3. Limit Conditions																																		
L1 Pollution of waters																																		
L1.1	Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the <i>Protection of the Environment Operations Act</i> 1997.	Yes		Refer to Condition 3.17 in Table C1 (Compliance with DA07_0123) above.																														
L2 Waste																																		
L2.1	<p>The Licensee must not cause, permit or allow any waste generated outside the premises, except the wastes expressly referred to in the column titled "Waste" and meeting the definition, if any, in the column titled "Description" in the table below.</p> <p>Any waste received at the premises must only be used for the activities referred to in relation to that waste in the column titled "Activity" in the table below.</p> <p>Any waste received at the premises is subject to those limits of conditions, if any, referred to in relation to that waste contained in the column titled "Other Limits" in the table below. This condition does not limit any other conditions in this licence.</p> <table><tr><th>Code</th><th>Waste</th><th>Description</th><th>Activity</th><th>Other Limits</th></tr><tr><td>NA</td><td>Virgin excavated natural material</td><td>Virgin Excavated Natural Material as defined in the POEO Act</td><td>Resource recovery</td><td>No more than 200,000 tonnes per year imported to the site and used for either Resource Recovery or for Pond/Quarry Rehabilitation in accordance with the site's Project Approval</td></tr><tr><td>NA</td><td>Waste</td><td>Any waste received on site that is below licensing thresholds in Schedule 1 of the POEO Act, as in force from time to time</td><td>-</td><td></td></tr><tr><td>NA</td><td>Crusher dust and road base material</td><td>Crusher dust and other road base materials that are also classified as general solid waste in accordance with the POEO Act.</td><td>Resource recovery</td><td>No more than 125,000 tonnes per year imported to the site.</td></tr><tr><td>NA</td><td>Building and demolition waste</td><td>Brick, tile, concrete and asphalt waste that is also classified as general solid waste in accordance with the POEO Act.</td><td>Resource recovery</td><td>No more than 50,000 tonnes per year imported to the site.</td></tr><tr><td>NA</td><td>General or Specific exempted waste</td><td>Waste that meets all the conditions of a resource recovery exemption under Clause 51A of the Protection of the Environment Operations (Waste) Regulation 2005</td><td>As specified in each particular resource recovery exemption</td><td>NA</td></tr></table>	Code	Waste	Description	Activity	Other Limits	NA	Virgin excavated natural material	Virgin Excavated Natural Material as defined in the POEO Act	Resource recovery	No more than 200,000 tonnes per year imported to the site and used for either Resource Recovery or for Pond/Quarry Rehabilitation in accordance with the site's Project Approval	NA	Waste	Any waste received on site that is below licensing thresholds in Schedule 1 of the POEO Act, as in force from time to time	-		NA	Crusher dust and road base material	Crusher dust and other road base materials that are also classified as general solid waste in accordance with the POEO Act.	Resource recovery	No more than 125,000 tonnes per year imported to the site.	NA	Building and demolition waste	Brick, tile, concrete and asphalt waste that is also classified as general solid waste in accordance with the POEO Act.	Resource recovery	No more than 50,000 tonnes per year imported to the site.	NA	General or Specific exempted waste	Waste that meets all the conditions of a resource recovery exemption under Clause 51A of the Protection of the Environment Operations (Waste) Regulation 2005	As specified in each particular resource recovery exemption	NA	Yes		<p>A variation to the EPA licence occurred on the 21st December 2015 and approves a limit of 30 000 tonnes of waste/recycle material to sit on the quarry floor at one time.</p> <p>Refer to Schedule 2.8 in Table C1 (Compliance with DA07_0123) for further details regarding limits of approval.</p>
Code	Waste	Description	Activity	Other Limits																														
NA	Virgin excavated natural material	Virgin Excavated Natural Material as defined in the POEO Act	Resource recovery	No more than 200,000 tonnes per year imported to the site and used for either Resource Recovery or for Pond/Quarry Rehabilitation in accordance with the site's Project Approval																														
NA	Waste	Any waste received on site that is below licensing thresholds in Schedule 1 of the POEO Act, as in force from time to time	-																															
NA	Crusher dust and road base material	Crusher dust and other road base materials that are also classified as general solid waste in accordance with the POEO Act.	Resource recovery	No more than 125,000 tonnes per year imported to the site.																														
NA	Building and demolition waste	Brick, tile, concrete and asphalt waste that is also classified as general solid waste in accordance with the POEO Act.	Resource recovery	No more than 50,000 tonnes per year imported to the site.																														
NA	General or Specific exempted waste	Waste that meets all the conditions of a resource recovery exemption under Clause 51A of the Protection of the Environment Operations (Waste) Regulation 2005	As specified in each particular resource recovery exemption	NA																														
L2.2	<p>(a) The authorised amount of waste permitted on the premises cannot exceed 30,000 tonnes at any one time.</p> <p>(b) Notwithstanding any limit specified in the above table, the licensee shall not exceed the authorised amount specified in the licence. Where the authorised amount is less than the total of all wastes listed in the above table, the authorised amount takes precedence.</p>	Yes	<p>Weigh Bridge inspection certificates (AWS) for two bridges: AWS00351, dated 06/07/15 and 80069/11308 dated 08/07/2015.</p> <p>AEMR Table 2.1 Production and Waste Summary, page 12.</p> <p>SCCCR spreadsheet with VENM import amount.</p> <p>Royalty information Office of State Revenue 1st April - 30th June 2015.</p> <p>Site inspection 27th January 2016</p> <p>Site inspection 27th January 2016</p>	<p>Weigh bridges are installed on site to record import and export amounts. They are calibrated regularly by an external company.</p> <p>A summary table of Production and Waste material is provided in the 2012-2014 and 2015 AEMR indicating compliance with this condition.</p> <p>A spreadsheet of all imported VENM provided with electronic records from 2015.</p> <p>An example of a Royalty sheet was provided during the site investigation. The royalty sheet includes import amounts for materials at 35 cents per Tonne.</p> <p>Physical copy of all import material records including accepted loads, rejected loads, vehicle and driver information was visually confirmed at SCCCR site.</p> <p>Site inspection identified that no additional material was being deposited onsite. Visual confirmation of SCCCR records during site inspection.</p>																														

Number	Condition	Compliance	Evidence	Audit Outcomes																				
L3 Noise Limits																								
L3.1	Noise generated at the premises must not exceed the noise impact assessment criteria in the table below. <table><tr><th>Location and Locality</th><th>Day LAeq (15 min)</th><th>Evening LAeq (15 min)</th><th>Night LAeq (15 min)</th></tr><tr><td>1. 80 Links Road</td><td>39</td><td>35</td><td>35</td></tr><tr><td>2. 371 Old Southern</td><td>45</td><td>35</td><td>35</td></tr><tr><td>3. 243 Princes Highway</td><td>49</td><td>38</td><td>38</td></tr><tr><td>4. South Coast Correctional Facility</td><td>51</td><td>37</td><td>37</td></tr></table>	Location and Locality	Day LAeq (15 min)	Evening LAeq (15 min)	Night LAeq (15 min)	1. 80 Links Road	39	35	35	2. 371 Old Southern	45	35	35	3. 243 Princes Highway	49	38	38	4. South Coast Correctional Facility	51	37	37	Yes	Noise Monitoring reports in AEMR (2012-2014) Appendix D, page 230 dated 17 February 2014 (report number 610.12540-R1), 27 May 2014 (report number 610.12540-R2) and 4 September 2014 (report number 610.12540-R3). Monitoring reports undertaken by SLR Consulting Australia Pty Ltd.	Noise monitoring has occurred at monitoring stations 1,2,4 and 5 by SLR Consulting Australia Pty Ltd and is reported in the AEMR (2012 -2014) Appendix D. Noise monitoring did not occur within the reporting period of 1st December 2012 and 30th November 2013 as road work adjacent to the quarry would have influenced results. Noise monitoring has only occurred in 2014 on three occasions. No noise monitoring occurred between Dec 2014 and Dec 2015 due to the below:  In accordance with section 4.4.2 Location and Frequency of the Environmental Management Strategy (EMS) by GHD and Section 3.3 Nowra Brickworks Quarry, South Nowra Noise Monitoring Program/Blast Management Plan by Heggies. <i>"Noise monitoring may be discontinued if compliance with the nominated criteria is demonstrated at all four monitoring locations on three consecutive noise surveys".</i>
	Location and Locality	Day LAeq (15 min)	Evening LAeq (15 min)	Night LAeq (15 min)																				
1. 80 Links Road	39	35	35																					
2. 371 Old Southern	45	35	35																					
3. 243 Princes Highway	49	38	38																					
4. South Coast Correctional Facility	51	37	37																					
	Note: Noise generated by the project is to be measured in accordance with the relevant requirements, and exemptions (including certain meteorological conditions), of the NSW Industrial Noise Policy.	AEMR (2015), Section 3.2, page 17  																						



Number	Condition	Compliance	Evidence	Audit Outcomes
L4.3	The licensee must monitor all blasts carried out in or on the premises at or near the nearest residence or noise sensitive location (such as a school or hospital) that is likely to be most affected by the blast and that is not owned by the licensee or subject of a private agreement between the owner of the residence or noise sensitive location and the licensee relating to alternative blasting limits.	Yes		All blast monitoring was carried out at the nominated locations. Refer to Licence condition L4.2 above.
L4.4	The licensee must not carry out more than one blast per week at the premises.	Yes	SCCCR Quarries Nowra Brickwork Quarry EMS (June 2010)  Blasting results 2013, 2014 and 2015 within the 2012-2014 AEMR and 2015 AEMR	The EMS describes the drilling and blasting requirements including requirements consistent with this condition.  A review of the blasting results in Appendix C of both AEMRs confirm no more than one blast was conducted per week.
L5 Hours of Operation				
L5.1	Activities covered by this licence must only be carried out between the hours of 0700 and 1800 Monday to Friday, and 0700 and 1600 Saturday, and at no time on Sundays and Public Holidays. <i>Notes;</i>  <i>Maintenance activities may be conducted outside weekday hours provided the activities are not audible at any privately owned residence, or until 6pm on Saturdays,</i>  <i>Up to three unladen trucks are permitted to arrive at the site between 6.00 am to 7.00 am on Monday to Saturday; and up to three unladen trucks are permitted to return to the site between 6.00 pm to 8.00 pm on Monday to Friday and between 4:00 pm to 6:00 pm on Saturday,</i>  <i>This condition does not apply to the delivery of material if that delivery is required by police or other authorities for safety reasons, and/ or the operation of personnel or equipment are endangered. In such circumstances, notification is to be provided to DECCW and the affected residents as soon as possible, or within a reasonable period in the case of an emergency.</i>	Yes		Refer to Condition 3.2 in Table C1 (Compliance with DA07/0123).
L5.2	Blasting in or on the premises must only be carried out between 0900 hours and 1500 hours, Monday to Friday. Blasting in or on the premises must not take place on Weekends or Public Holidays.	Yes		Refer to Condition 3.7 (Compliance with DA07_0123).
4. Operating Conditions				
O1 Activities must be carried out in a competent manner				
O1.1	Licensed activities must be carried out in a competent manner. This includes: (a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and (b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.	Yes		Refer also to Condition 2.12 in Table C1 (Compliance with DA07/0123) above.
O2 Maintenance of plant and equipment				
O2.1	All plant and equipment installed at the premises or used in connection with the licensed activity: (a) must be maintained in a proper and efficient condition; and (b) must be operated in a proper and efficient manner.	Yes		Refer to Condition 2.12 in Table C1 (Compliance with DA07/0123).
O3 Dust				
O3.1	All operations and activities occurring at the premises must be carried out in a manner that will minimise the emission of dust from the premises.	Not determined		Refer to Condition 3.14 in Table C1 (Compliance with DA07/0123).
O3.2	The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.	Not determined		Refer to Condition 3.14 in Table C1 (Compliance with DA07/0123).
O3.3	Trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading.	Yes		Refer to Condition 3.36 in Table C1 (Compliance with DA07/0123) above.
O4 Other operation Conditions - Covering of Loads				

Number	Condition	Compliance	Evidence	Audit Outcomes																												
O4.1	Trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading.	Yes		Refer to Condition 3.36 (Compliance with DA07/0123).																												
5. Monitoring and recording Conditions																																
ME 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.	No		Refer to Licence conditions below.																												
M1.2	All records required to be kept by this licence must be:  (a) in a legible form, or in a form that can readily be reduced to a legible form;  (b) kept for at least 4 years after the monitoring or event to which they relate took place; and  (c) produced in a legible form to any authorised officer of the EPA who asks to see them.	No	Monitoring records	The records sighted were in accordance with this condition, however not all monitoring has been undertaken as required.  Refer to Schedule 3.4, 3.16, 3.19, 3.22 and 3.23 (Compliance with DA07/0123).																												
M1.3	The following records must be kept in respect of any samples required to be collected for the purposes of this licence: (a) the date(s) on which the sample was taken; (b) the time(s) at which the sample was collected; (c) the point at which the sample was taken; and (d) the name of the person who collected the sample.	Yes	Monitoring records	Monitoring results gathered as part of condition M1.2 provide adequate information.																												
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:	Yes		Refer to Condition 3.16 (Compliance with DA07_0123).																												
M2.2	<div>Air Monitoring Requirements<table><tr><th colspan="4">POINTS 1,2,3,4 – AIR</th></tr><tr><th>Pollutant</th><th>Unit of Measure</th><th>Frequency</th><th>Sampling Method</th></tr><tr><td>Particulates – Deposited Matter</td><td>Grams per square metre per month</td><td>Monthly</td><td>Australian Standard 3580.10.1-2003</td></tr><tr><th colspan="4">POINTS 5,6 - AIR</th></tr><tr><th>Pollutant</th><th>Unit of Measure</th><th>Frequency</th><th>Sampling Method</th></tr><tr><td>PM10</td><td>micrograms per cubic metre</td><td>Special frequency 1</td><td>Australian Standard 3580.9.6-2003</td></tr><tr><td>Total suspended particulates</td><td>milligrams per cubic metre</td><td>Special frequency 1</td><td>Australian Standard 3580.9.6-2003</td></tr></table></div> <div>Note: Special Frequency 1 means the collection of samples on a one day in six cycle using a</div>	POINTS 1,2,3,4 – AIR				Pollutant	Unit of Measure	Frequency	Sampling Method	Particulates – Deposited Matter	Grams per square metre per month	Monthly	Australian Standard 3580.10.1-2003	POINTS 5,6 - AIR				Pollutant	Unit of Measure	Frequency	Sampling Method	PM10	micrograms per cubic metre	Special frequency 1	Australian Standard 3580.9.6-2003	Total suspended particulates	milligrams per cubic metre	Special frequency 1	Australian Standard 3580.9.6-2003	Yes		Refer to Schedule 3.15 (Compliance with DA07/0123).
POINTS 1,2,3,4 – AIR																																
Pollutant	Unit of Measure	Frequency	Sampling Method																													
Particulates – Deposited Matter	Grams per square metre per month	Monthly	Australian Standard 3580.10.1-2003																													
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PM10	micrograms per cubic metre	Special frequency 1	Australian Standard 3580.9.6-2003																													
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Number	Condition	Compliance	Evidence	Audit Outcomes
M3 Testing methods - concentration limits				
M3.1	<p>Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with:</p> <p>(a) any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or</p> <p>(b) if no such requirement is imposed by or under the Act, any methodology which a condition of this licence requires to be used for that testing; or</p> <p>(c) if no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.</p> <p>Note: The <i>Protection of the Environment Operations</i> (Clean Air) Regulation 2002 requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW".</p>	Yes		Refer to Schedule 3.16 in the table above (Compliance with DA07/0123).
M4 Recording of pollution complaints				
M4.1	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.	Yes	AEMR (2015), Appendix D and Appendix J	SCCCR have maintained a complaints register since the last independent audit. No complaints were received between 2012 and 2014. Three complaints were recorded in 2015.
M4.2	<p>The record must include details of the following:</p> <p>(a) the date and time of the complaint;</p> <p>(b) the method by which the complaint was made;</p> <p>(c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;</p> <p>(d) the nature of the complaint;</p> <p>(e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and</p> <p>(f) if no action was taken by the licensee, the reasons why no action was taken.</p>	Yes	AEMR (2015), Appendix D and Appendix J	Required details as part of this condition are provided as an appendix in the 2015 AEMR.
M4.3	The record of a complaint must be kept for at least 4 years after the complaint was made.	Not determined		Refer to Condition M4.1 above. This condition will be reviewed in the next audit as a formal complaints register was implemented following the independent audit in 2013.
M4.4	The record must be produced to any authorised officer of the EPA who asks to see them.	Yes		Refer to Condition M4.1 above.
M5 Telephone complaints line				
M5.1	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.	Yes	<a href="http://www.scccrquarries.com.au/">SCCCR Quarries website http://www.scccrquarries.com.au/</a>	Under the Contact section of the SCCCR website details have been provided for 'Complaints and Environmental Monitoring'. These details are the same for 'Sales and General Enquiries' and 'General Enquiries'.
M5.2	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.	Yes	<a href="http://www.scccrquarries.com.au/">SCCCR Quarries website http://www.scccrquarries.com.au/</a>	Refer to condition M5.1 above.

Number	Condition	Compliance	Evidence	Audit Outcomes
M5.3	Conditions M5.1 and M5.2 do not apply until 3 months after: the date of the issue of this licence.	N/A		<i>This condition is not assessed.</i>
M6 Blasting				
M6.1	<p>To determine compliance with condition(s) L4.1 and L4.2:</p> <p>(a) Air blast overpressure and ground vibration levels must be measured at or near the nearest residence or noise sensitive location (such as a school or hospital) that is likely to be most affected by the blast for all blasts carried out in or on the premises; and</p> <p>(b) Instrumentation used to measure the air blast overpressure and ground vibration levels must meet the requirements of Australian Standard 2187.2 of 1993.</p>	Yes	<p>AEMR (2015) Appendix C</p> <p>Review of ground vibration monitoring results 2013-2015 in AEMR's</p> <p>Blast Report 7th January 2016 Precision Drill and Blast Pty Ltd.</p>	<p>All blasts were monitored at the four nominated locations (2,3,4 and 5) for nine events within 2015. No exceedances were detected.</p> <p>No exceedances have been reported in 2012-2014 and 2015 AEMRs. However the results of the blasting were not represented well in the 2012-2014 AEMR. A review of the reports in Appendix C of the 2012-2014 AEMR revealed no exceedances.</p> <p>A review of the blasting results present in the 2015 AEMR Appendix C corroborates the review of results presented in Section 3.</p> <p>Evidence of one blast in 2016 was provided by SCCCR. It was confirmed by review of the report the blast did not exceed the guidelines outlined in the licence.</p> <p><i>Refer to Schedule 3.6 (Compliance with DA07/0123).</i></p>
M6.2	<p>For the purposes of blast monitoring, the following information must be recorded for each blast carried out in or on the premises:</p> <p>(i) the time and date of each blast;</p> <p>(ii) the location(s) at which the blast was measured;</p> <p>(iii) the ground vibration for each blast;</p> <p>(iv) the air blast overpressure for each blast; and</p> <p>(v) evidence that during each 12 month period, a calibration check had been carried out on each blast monitor to ensure accuracy of the reported data.</p>	Yes	<p>Blast monitoring records</p> <p>Latest calibration certificates (4/11/2015) for blast monitors by serial number: BE15377, BE15569, BE15777, BE16020, BE16158.</p>	<p>Blast monitoring records provided in the 2012-2014 AEMR and the 2015 AEMR are in accordance with this requirement.</p> <p>Calibration certificates for blast monitoring equipment was provided during the site inspection.</p>
6. Reporting Conditions				
R1 Annual return documents				
<i>What documents must an Annual Return contain?</i>				
R1.1	<p>The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:</p> <p>(a) a Statement of Compliance; and</p> <p>(b) a Monitoring and Complaints Summary.</p> <p>At the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.</p>	Yes	<p><a href="https://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=11765&amp;id=11765&amp;option=licence&amp;searchrange=licence&amp;range=POEO&amp;licence&amp;prp=no&amp;status=Issued">https://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=11765&amp;id=11765&amp;option=licence&amp;searchrange=licence&amp;range=POEO&amp;licence&amp;prp=no&amp;status=Issued</a></p>	<p>A review of the EPA licence summary page annual returns have been submitted as evident by the 'date received' column.</p> <p>Annual returns were viewed from within the audit period.</p>
<i>Period covered by Annual Return</i>				
R1.2	An Annual Return must be prepared in respect of each reporting period, except as provided below.	Yes		Refer to Licence condition R1.5 below in Table C2 (this table).
R1.3	<p>Where this licence is transferred from the licensee to a new licensee:</p> <p>(a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and</p> <p>(b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.</p>	N/A		This condition has not been triggered.

Number	Condition	Compliance	Evidence	Audit Outcomes
R1.4	Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:  (a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or  (b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.	N/A		This condition has not been triggered.
<i>Deadline for Annual Return</i>				
R1.5	The Annual Return for the reporting period must be supplied to the EPA by registered post no 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').	Yes	<a href="https://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=11765&amp;id=11765&amp;option=licence&amp;searchrange=licence&amp;range=POEO&amp;licence&amp;prp=no&amp;status=Issued">https://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=11765&amp;id=11765&amp;option=licence&amp;searchrange=licence&amp;range=POEO&amp;licence&amp;prp=no&amp;status=Issued</a>	A review of the EPA licence summary page show almost all annual returns have been submitted as evident by the 'date received' column. All annual reviews have been received within 60 days.
<i>Licensee must retain copy of Annual Return</i>				
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.	Yes	Annual Return, South Coast Concrete Crushing and Recycling Pty Ltd. Reporting period 7th April 2014 to 6th April 2015.	A copy of the April 2014- April 2015 Annual Return was provided by SCCCR.
<i>Certifying of Statement of Compliance and signing of Monitoring and Complaints Summary</i>				
R1.7	Within the Annual Return, the Statement of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:  (a) the licence holder; or  (b) by a person approved in writing by the EPA to sign on behalf of the licence holder.	Yes		The director John Green has signed the April 2014- April 2015 Annual Return.
R1.8	The results of the blast monitoring required by condition M7.1 must be submitted to the EPA within 7 days after each blast event and at the end of each reporting period.	Yes	Email from SCCCR 22nd Oct 2015 to EPA containing Blast Results. AEMR 2012-2014 Appendix C, AEMR 2015 Appendix C.	SCCCR provided an example email to the EPA of sending results within 7 days. Blast results are within the 2012-2014 and the 2015 AEMR's.
R1.9	The licensee must report any exceedance of the licence blasting limits to the regional office of the EPA as soon as practicable after the exceedance become known to the licensee or to one of the licensee's employees or agents.	N/A		No exceedances were detected in the blasting conducted within the 2012-2014 and 2015 reporting periods.
<i>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.</i>				
<i>Note: An application to transfer a licence must be made in the approved form for this purpose.</i>				
<i>R2 Notification of environmental harm</i>				
<i>Note: The licensee or its employees must notify the EPA of incidents causing or threatening material harm to the environment as soon as practicable after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.</i>				
R2.1	Notifications must be made by telephoning the Environment Line service on 131 555.	N/A		No incidents have reportedly occurred on site that meet this criteria, however communication between SCCCR and the EPA regarding dust complaints were observed during the audit.
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.	N/A		Refer to Licence condition R2.1 above in this table.

Number	Condition	Compliance	Evidence	Audit Outcomes
R3 Written report				
R3.1	Where an authorised officer of the EPA suspects on reasonable grounds that:  (a) where this licence applies to premises, an event has occurred at the premises; or  (b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence,  and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.	Yes		Documentation between SCCCR and EPA was observed relating to the reporting and management of dust complaints.
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.	Yes		Documentation between SCCCR and EPA was observed relating to the reporting and management of dust complaints.
R3.3	The request may require a report which includes any or all of the following information:  (a) the cause, time and duration of the event;  (b) the type, volume and concentration of every pollutant discharged as a result of the event;  (c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;  (d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;  (e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;  (f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and  (g) any other relevant matters.	Yes		Documentation between SCCCR and EPA was observed relating to the reporting and management of dust complaints.
R3.4	The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.	N/A		No additional written requests have been received by SCCCR
7. General Conditions				
G1 Copy of licence kept at the premises or plant				
G1.1	A copy of this licence must be kept at the premises to which the licence applies.	Yes	Audit site inspection 27th January 2016	Licence sighted which contained a copy of the current licence and amendments.
G1.2	The licence must be produced to any authorised officer of the EPA who asks to see it.	N/A		<i>This condition is not assessed as part of this audit .</i>
G1.3	The licence must be available for inspection by any employee or agent of the licensee working at the premises.	Yes	Audit site inspection 27th January 2016	Licence available on site for review.
G2 Other general conditions				
G2.1	Backfilling of the quarry void and water storage facility is restricted to the use of materials which are "Virgin Excavated natural Materials" as defined in the Protection of the Environment Operation Act 1997.	Yes		VENM is being obtained for future backfilling activities.



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Revision	Author	Reviewer		Approved for Issue		
		Name	Signature	Name	Signature	Date
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