

Nowra Brickworks Quarry
**South Coast Concrete Crushing
and Recycling**
Independent Environmental Audit

Final | 3 March 2020

This report takes into account the particular instructions and requirements of our client.

It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party.

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1 Executive Summary

Arup 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 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 third independent environmental audit for the site following on from the first audit report prepared in 2013 and second report prepared in 2016. This document provides the findings for the third independent report and provides an update on the status of the implementation of all audit recommendations from the second independent environmental audit.

At the time of the audit, several positive measures were observed which demonstrated compliance with many of the requirements of the Project Approval DA 07/0123, the Environmental Protection Licence (EPL) 11765, the Statement of Commitments, and the two Mining Leases ML5087 & ML6322

An Environmental Management Strategy (EMS) 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. The proactive review of these documents, and their suitability to current site operations could not always be demonstrated.

It was noted that EMS applications differ from the Project Approval and EPL for noise monitoring which highlighted a lack of integration of the EMS and the effectiveness of the noise management procedures on site.

Shortfalls in the proactive management of stockpiled material was evident, resultant in dust being observed leaving the site.

The fulfilment of all financial assurance requirements could not be demonstrated.

This report is subject to, and must be read in conjunction with, the limitations set out in section 2.4 and the assumptions and qualifications contained throughout the Report.

2 Introduction

Arup 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).

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.

2.1 Project background

The Nowra Brickworks Quarry (the quarry) is 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:

- Continued operation of the quarry and its expansion to the south;
- Extraction of no 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;
- Importation and stockpiling of up to approximately 50,000 tonnes per year of recycling materials;
- Importation and stockpiling of up to approximately 125,000 tonnes per year of blending materials;

- Processing and blending of extracted, recycling and blending material to produce general and specialised products using a mobile processing plant;
- Stockpiling of quarry products;
- 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;
- 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
- 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 NSW approvals:

- 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.

2.2 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:

- be conducted by a suitably qualified, experienced, and independent person(s) whose appointment has been approved by the Director-General;*
- 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; and, if necessary;*
- 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 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.

The audit concentrated on the Conditions of Approval and the Environmental Protection Licence. While the Statement of Conditions and Mining Licence was reviewed, due to time limitations not all conditions on these supplementary documents were audited.

2.3 Audit team members

The Lead Auditor and Support Auditor from Arup undertook the audit. Personnel involved in the audit are identified in Table 1:

Table 1: Audit Team Members

Audit Team Members	Organisation	Role
Tim Cook	Arup	Lead Auditor

Alice Smith	Arup	Project Manager
Joshua Montford	Arup	Auditor
Budd Green	SCCCR Quarries	Owner/Operator

2.4 Limitations

This report:

- has been prepared by Arup 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.

Arup 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 Arup. Arup 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 Arup and this report are expressly excluded.

Site conditions may change after the date of this report. Arup 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, conditions audited, documents presented for review and interviews with SCCCR personnel.

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

3 Methodology

3.1 Start-up meeting

Arup held a start-up meeting over the phone with SCCCR's Mr Budd Green 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.

3.2 Consultation with Key Stakeholders

SCCCR provided a list of key stakeholders to engaged with to provide input into the scope of the audit and identify any environmental areas or issues that require a focussed investigation during the audit. The identified stakeholders are Department of Planning, & Environment (DPIE), the NSW Environment Protection Authority (EPA), and Shoalhaven City Council (Council).

Each of these stakeholders was individually engaged by email correspondence and requested to provide comment before the audit. Each stakeholder responded prior to the audit and provided the following input:

- **DPIE:** A response to the consultation letter was received from Greg Kininmonth – Manager Environmental Operations on 1 November 2019. Mr Kininmonth suggested focus points relevant to the Resources Regulator would be the general compliance with the Conditions of ML5087 and ML6322 as well as assessment of site disturbance and rehabilitation areas in comparison with the areas proposed in the Mining Operation Plan. Mr Kininmonth noted that focal points would be ensuring disturbance areas do not exceed areas permitted and that rehabilitation progress is occurring as per the MOP schedule.
- **EPA:** A response to the consultation letter was received from Janine Goodwin – Unit Head (South East Region) on 29 October 2019. Ms Fletcher identified the complaints that the EPA had received regarding dust emissions from the site and mud tracking onto the highway. They noted that site has received several announced and unannounced inspections and found the wheel washes to be working well. Ms Fletcher also noted that the EPA has not received any non-compliances or complaints with regards to noise, blasting and vibration.
- **Council:** A response to the consultation letter was received from Alison McVey – Acting Section Manager (Environmental Services) on 23 October 2019. Ms McVey identified ongoing dusts issues for adjacent businesses and mud tracking onto the highway. Ms McVey also noted a noticeable depletion in the vegetation buffer along the highway frontage of the quarry and noticeably visible stockpiles of soils at the southern end of the quarry.

A copy of the correspondence received from these stakeholders is attached as Appendix A.

3.3 Review of documentation and audit criteria development

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

3.4 Site visit

The site visit was conducted over one day on 6th November 2018 at the SCCCCR Quarries. 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 2.3.
- Arup conducted a close-out meeting to provide feedback and a brief overview of the key (preliminary) audit findings.

3.5 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 an appendix containing:

- A – Correspondence Received
- B – Documentation Reviewed
- C – Compliance Tables C1 and C2 detailing Arup’s findings of compliance against the Conditions of Approval, EPL, Statement of Commitments and the two Mining License.
- D – Department of Planning, Industry and Environment Letter: Approval of Auditors

4 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 second independent audit in 2016.

4.1 Environmental Performance and Compliance

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

- Section 4.2 reviews the adequacy of current strategies and plans.
- Section 4.3 provides a summary of compliance with the Project Approval DA 07/0123. Table C1 in Appendix C summarises the findings of the audit against the Approval.
- Section 4.4 provides a summary of compliance with the EPL 11765. Table C2 in Appendix C summarises the findings of the audit against the EPL.
- Section 4.5 provides a summary of compliance with the Statements of Commitment. Table C2 in Appendix C summarises the findings of the audit against the Statements of Commitment.
- Section 4.6 provides a summary of compliance with the Mining Licenses ML5087 & ML6322. Table C2 in Appendix C summarises the findings of the audit against the Mining Licenses.
- Section 4.7 identifies measures observed during the site inspection requiring management and provides photographic evidence to support the audit.
- Section 5 reviews the corrective actions and opportunities for improvement outlined in the previous audit and determines if these have been closed out.
- Section 6 Outlines corrective actions and opportunities for improvement as identified during this audit.

4.2 Adequacy of any Strategies/Plans and Approvals

Based on the site inspection and the review of available records environmental issues were identified. Four complaints were made to the EPA during the reporting period relating to material tracked on to the Princes Highway and dust plumes leaving the site as recorded by SCCCR.

Several measures were observed which require management to immediately address to improve compliance with the requirements of the Project Approval and the Licence. In particular, proactive dust management and regular noise monitoring needs to be conducted in accordance with the approval. At the time of the audit, dust was observed leaving the site during normal weather conditions.

At the time of the audit, several 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 continued as well as blasting monitoring being conducted as required by the Approval.

The site was clean and tidy, weed management was evident. Several improvements had been made since the previous audit to combat dust tracking including completion of a second wheel wash, asphaltting of the entrance/exit to the site and upgrade to the pump which supplies water to the water cart faster. Ongoing communication with EPA, Shoalhaven Council and the neighbouring South Nowra Correctional Facility was observed.

A review of all site based environmental monitoring and management plans, including the EMS indicated that have not been reviewed and updated as required to ensure best environmental management on site or to represent current site operations.

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.

Site staff need to be aware of the conditions of approval, and monitoring requirements and how they impact the operation of the site.

Where incidents have occurred, the Department has not been informed till the submission of Annual Returns. Correspondence within specified timeframes is required.

The fulfilment of all financial assurance requirements could not be demonstrated.

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

Table 2: Status of key monitoring and management practices on site

Area	Environmental Aspect	Reference	Implemented/Requirements 2019 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)	As outlined in the previous audit, SCCCR ceased noise monitoring and has only conducted noise monitoring once during this reporting period. While the site has not received any noise complaints. It is difficult to verify this without a sufficient monitoring data to support this claim. SCCCR Quarries have noted that they have reengaged their noise monitoring sub-contractor and will begin noise monitoring again on a quarterly basis.
Monitoring	Air	Air Quality Management Plan (Appendix I of EMS)	Air Quality Monitoring was conducted as per the requirements of the plan. While the air monitoring was compliant, dust leaving the site was observed during the audit site inspection
Monitoring	Heritage	Heritage management procedures (Section 14.9 of EMS)	Not required yet
Monitoring	Water	Soil and Water management and monitoring (Section 12 and 14 of EMS)	Yes
	Surface Water	Surface Water and Groundwater Monitoring and Response Plan (May 2010) (Appendix F, EMS)	Yes
	Groundwater		Yes
Monitoring	Landscape Biodiversity		Partially (see below)

	Weed Management	Landscape and Biodiversity Management Plan (Appendix H of EMS)	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 SCCR While inspections were occurring, the operations of the site were not addressing the risks of dust leaving the site from stockpiled material close to the site boundary. Dust was observed leaving the site boundary during the site audit inspection.
Reporting	Annual Environmental Management Reports	Condition 5.4 of Approval	AEMRs for 2016, 2017, 2018, and 2019 were prepared. The reports are adequate and uploaded to the company website for public viewing.

4.3 Compliance with Project Approval DA 07/-123

Table 3 presents a summary of compliance with conditions from the Project Approval DA 07/0123. Table C1 in Appendix C summarises the findings of the audit against the Approval.

Table 3: Compliance with Project Approval DA 07/0123

Compliance Level	Number
Compliant	58
Non-compliant	16
Not-Triggered	12
Not Audited	0
Closed	0

Table 4 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 4: Non-Compliant Conditions under Project Approval 07/0123

Condition	ID	Area	Comment
S2-1	-	General	Non-compliances were identified against the Conditions of Approval
S2-1	-	General	Non-compliances were identified against the Conditions of Approval
S2-14	CA-1	Awareness of Conditions of Approval	It could not be demonstrated that specific training was rolled out to site personnel on the summarised requirements of the Conditions of Approval, and management plans as relevant to the operation of the site.
S3-2, S3-3 & S3-4	CA-2	Operational Noise	Operational noise monitoring was not completed at times throughout the audit period.
S3-14, S3-15 & S3-16	CA-3	Air Quality	Dust complaints had been received by neighbouring properties and during the audit site inspection dust was observed being blown off the site. Implementation of site controls

			were not effective in reducing dust from leaving the site, although only one monitoring exceedance was reported during the audit reporting period.
S4-1	CA-4	Notification of Landowners	There was no documented evidence of follow up notification and results with landowners after a non-compliance or provision of the “Mine Dust and You” fact sheet.
S5-3, S5-5 & S5-7	CA-5	Management Plans, Application and Adaption	There was no demonstrated programmed or proactive review and update of the management plans to meet compliance obligations, improve the environmental performance of the site or reflect current site operations.
S5-9 & S5-10	CA-6	Incident Reporting	When investigating complaints from the NSW EPA the Department is required to be informed of the incident and investigation outcomes within the stipulated timeframes.
S6-3	CA-7	Noise Assessment	The noise assessment was not completed within the nominated timeframe. Noise Monitoring Report to be provided to the Department and NSW EPA.

4.4 Compliance with EPL 11765

Table 5 presents a summary of compliance with conditions from the EPL 117850123. Table C1 in Appendix C summarises the findings of the audit against the EPL.

Table 5: Compliance with EPL 11765

Compliance Level	Number
Compliant	48
Non-compliant	9
Not-Triggered	6
Not Audited	0
Closed	0

Table 6 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 EPL.

Table 6: Non-Compliant Conditions under EPL 11765

Condition	ID	Area	Comment
A3-1	-	General	Non-compliances with the EPL were identified during the audit.
L3-1	CA-2	Noise	Periodic noise monitoring was not undertaken at times during the audit period and as such compliance could not be demonstrated.
Q3-1 & Q3-2	CA-3	Dust	Dust was observed leaving the premise boundary during the audit site inspection and dust complaints had been received.
M5-2	CA-8	Telephone Complaints Line	The website had no specific complaints line or guidance on where to make a complaint.
R1-5	CA-9	Annual Return	Provision of the Annual Return was outside of the 60-day requirement after the end of the reporting period.
E1-1., E1-2 & E1-5	CA-10	Financial Assurance	Evidence of the second bank guarantee, required by 30 June 2017 could not be provided.

4.5 Compliance with Statement of Commitments

Table 7 presents a summary of compliance with conditions from the Statement of Commitments. Table C1 in Appendix C summarises the findings of the audit against the Statement of Commitments.

Table 7: Compliance with Statement of Commitments

Compliance Level	Number
Compliant	89

Non-compliant	4
Not-Triggered	2
Not Audited	18
Closed	10

Table 8 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 8: Non-Compliant Conditions under Statement of Commitments

Condition	ID	Area	Comment
1.3	-	General	All activities were not being undertaken in accordance with the accepted Mining Operations Plan, environmental procedures, safety management plan and/or site-specific documentation.
7.2	CA-11	Dust	Chemical dust lift-off suppression systems were not used during the audit period.
11.10	CA-12	Stockpiles	Stockpiled material was greater than 2m in height.
15.5	CA-5	Implementation of Management Plans	While the site had operational environmental management plans, they were not always representative of the current state of operations. The presence of dust leaving the site was evidence of operational plans in place but the implementation not representing site activities at the time.

4.6 Compliance with Mining Lease

Table 9 presents a summary of compliance with conditions from ML5087 & ML6322. Table C1 in Appendix C summarises the findings of the audit against the Mining Licenses.

Table 9: Compliance with ML5087 & ML6322

Compliance Level	Number
Compliant	8
Non-compliant	0
Not-Triggered	4
Not Audited	2
Closed	2

4.7 Site Inspection Observations

During the site inspection on the 6th November 2019, some measures were observed which require management to achieve compliance with the requirements of the Project Approval and the Environment Protection Licence.

While no dirt tracking was evident on the Princes Highway, dust emissions were observed leaving site from the quarry. A large stockpile of soil (plate 10) located on the eastern boundary of the site closest to the highway which was contributing to this issue. A water cart was operating at the time, however the hot dry weather resulting in the water carts actions not sufficient to eliminate all dust emissions leaving the site from quarry operations. There were no boundary or specific stockpile dust reducing systems in place. Due to the size of the stockpile, and consistent weather conditions and indication of previous dust complaints from the car yard there is a strong likelihood that what was observed was not an isolated occurrence.

Trucks were observed to be clean of materials and covered when leaving the site once they had passed through the truck wheel wash. While noting that ongoing improvements have been made in dealing with mud tracking and vehicle generated dust emissions on site since the last audit, areas of improvement are still required. This includes location specific dust suppression systems, reducing stockpile height and stockpiling product closer to the western boundary of the site so that predominantly easterly winds are less likely to push dust beyond the site boundary and across Princes Highway.

The site has only conducted Noise monitoring once in the reporting period and identified that this is an issue which will be rectified following site management contracting a noise monitoring subconsultant to conduct quarterly monitoring.




The vegetation bund along the Princes Highway frontage to the site is dense near the entrance to the site, however the bund becomes thinner towards the south end of the frontage (Plate 11). Strategic planting along the thinner portions of the bund with medium and large sized trees will be effective in reducing the visual impact of the site.




Finally, surface water monitoring has been conducted on site as outlined within the approval and the EPL. The results have consistently shown that the site is having no impact on the Nowra Creek and the site is well bunded along the western side of the site. Therefore, it is recommended that surface water monitoring is no longer required at this stage until such time the site footprint changed since there seems to be no material impact of the site on the creek based on the site walkover.




Table 10 provides examples of some of the observations made around the site.




Table 10: Site Observations




Plate Number	Site Observations	Photo
1	Asphalted entrance to site	
2	Streetsweeper	



3	Wheel wash	
4	Dangerous goods/ chemical storage facility	
5	Wheel wash in operation	

6	Scrap metal recovered from material brought into site	
7	Blast Monitoring HVAS South and Air Monitoring DDG 4 location. The monitoring location is near the southern residents.	
8	Ponding water near south western end of the site in a clear vegetation area	

9	Weeds	
10	Stockpile near eastern site boundary	
11	Vegetation bund at south eastern part of the site with little tree cover	

12	Blast monitor	
13	Monitoring well	
14	Tiers placed outside of designated storage areas	

15	Weed control evident on the bund along the same alignment as the Princes Highway. A dead tree part of the biodiversity offset strategy is in the far-ground within the bund wall.	 A photograph showing a bund wall made of reddish-brown soil. In the background, there is a dead tree and some green vegetation under a clear blue sky.
16	Water for dust suppression pump out	 A photograph of a concrete pump out box with a metal grate on top, situated on a grassy bank next to a pond. A white pipe extends from the box into the water. In the background, there is a quarry area with piles of material.
17	Storage tanks and RO unit?	 A photograph of a green storage tank and a white RO unit. The RO unit is a small, white, rectangular box with a fan on the side, mounted on a concrete base. The storage tank is a large, cylindrical, green tank with horizontal ridges. They are situated outdoors on a gravel surface.

18	Dust moving across the southern portion of the site	
19	Watercart in operation	

5 Closing out of Previous Audit Corrective Actions and Opportunities for Improvement

Below are the four (4) corrective actions and five (5) opportunities for improvement outlined in the previous audit. These have been reviewed as a part of this audit to determine if these have been closed out.

Table 11: Previous Audit Corrective Actions and Opportunities for Improvement

No.	Clause	Corrective Action	Outcome
CA-1	S3.19	Implement the monitoring requirements of the Surface Water Monitoring Program and Groundwater Monitoring Program.	SCCCR has closed out the implementation of the Groundwater monitoring program. Surface Water monitoring program is also being undertaken.
CA-2	S5.4	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).	This has been closed out within this reporting period. See S5.4 in Appendix C1.
CA-3	S5.8	SCCCR should seek approval from the Department to have the requirement amended.	Changes to the Conditions of Approval have addressed this non-conformance.
CA-4	S5.10	Upload monitoring results on the company web page at least six monthly.	Annual Reports are uploaded annually containing monitoring results. Noise monitoring has only been conducted once during the reporting period in 2018 and are available on the website. Blast results for the previous 6 months are available on the website but no results for the remainder of the reporting period. Condition S5-11 has been amended and requires regular reporting. The current levels of reporting comply with this condition.
IO-1	S2.4	Maintain records of consultation with external stakeholders including agencies and neighbouring land holders.	Evidence of consultation with external stakeholders including agencies and neighbouring land holders has been in this audit. Therefore, this is improvement opportunity has been closed out.

IO-2	S3.4 & L3.1	Consider undertaking periodic noise monitoring into the future to verify ongoing compliance with noise criteria of the Environmental Protection Licence.	Noise monitoring has only occurred once during the reporting period. Therefore, this improvement opportunity is still outstanding, however, it is noted that SCCCR have (outside of this reporting period) engaged an independent consultant to undertake regular noise monitoring.
IO-3	S3.14 & S3.36	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.	These have not been updated to include the maintenance and operation of the wheel wash facility. Therefore, this opportunity is still outstanding.
IO-4	S3.24	Update the SWGMRP with the recommendations made by SEEC to the satisfaction of the DPE.	These recommendations were not addressed during the audit period, but it is noted that SCCCR have requested updated documentation after the audit period.
IO-5	S3.25 & s3.30	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.	These have been provided to DPIE and has been approved as per the evidence provided in Appendix B1.

6 Recommended Actions

The outcomes of this audit identified:

- Twelve (12) corrective actions, under the Project Approval DA 07/0123, the EPL 11765, the Statements of Commitment and Mining Licence.
- Two (2) opportunities for improvement were identified, three under the Project Approval DA 07/0123, the EPL 11765, the Statements of Commitment and Mining Licence.

6.1 Corrective Actions

Corrective actions identified during the audit are summarised in Table 12.

Table 12: Corrective Actions

No.1	Clause	Corrective Action
CA-1	S2-14	Specific training to be rolled out (conducted and attendance recorded) to site personnel on the summarised requirements of the Conditions of Approval, and management plans as relevant to the operation of the site.
CA-2	S3-2, S3-3, S3-4 & L3-1	Periodic noise monitoring to be undertaken to enable demonstration with noise criteria.
CA-3	S3-14, S3-15, S3-16, Q3-1 & Q3-2	Site operations to be reviewed and mitigation measures implemented to cease dust from leaving the site boundary under normal operating conditions. Operational management plans to be updated and approved.
CA-4	S4-1	Following incidents, complaints or non-conformances, initial and follow up notification and results with landowners or impacted parties is required. If the incident is dust or air quality related, the provision of the “Mine Dust and You” fact sheet is required.
CA-5	S5-3, S5-5 & S5-7	SCCCR to review and update all site environmental management plans to meet compliance obligations, improve the environmental performance of the site and reflect current site operations.
CA-6	S5-9 & S5-10	When investigating complaints from the NSW EPA (or other organisations), the Department is required to be informed of the incident and investigation outcomes within the stipulated timeframes.

CA-7	S6-3	The noise assessment was not completed within the nominated timeframe. Noise Monitoring Report to be provided to the Department and NSW EPA.
CA-8	M5-2	SCCCR website to be updated to specifically detail the complaints line number and guidance on where to make a complaint.
CA-9	R1-5	SCCCR to ensure that all Annual Returns are provided to the Department within the 60 days of the reporting period ending.
CA-10	E1-1, E1-2 & E1-5	The outstanding bank guarantee, required by 30 June 2017 to be settled, with evidence provided to the Department.
CA-11	7.2	Chemical dust suppression products to be used across the site, targeting haul roads, unconsolidated dust generating surfaces and stockpiles.
CA-12	11.10	Material to be managed so that stockpile heights are restricted to 2m where they have the potential to generate boundary dust, or additional measures are put in place so that dust is not spread beyond the site boundary.

6.2 Opportunities for Improvement

Opportunities for improvement identified during the audit are summarised in Table 13.

Table 13: Opportunities for Improvement

No.1	Clause	Opportunities for Improvement
IO-1	S3-19	Review the surface water flows and monitoring program (Southern end of site) based on the potential to capture and reuse additional surface water rather than diverting it offsite and thus requiring monitoring.
IO-2	S3-31	Undertake a targeted revegetation strategy, to build on the vegetation currently on the bund. The timing of any planting strategy should take into consideration seasonal temperature and rainfall fluctuations.

Appendix A

Correspondence Received

A1 DPIE

Joshua Montford

From: Greg Kininmonth <greg.kininmonth@planning.nsw.gov.au>
Sent: Friday, 1 November 2019 8:44 PM
To: Joshua Montford
Cc: Tim Cook
Subject: [External] RE: Independent Environmental Audit of Nowra Brickworks Quarry – Stakeholder Consultation

Hi Joshua

Apologies for this late response to your email.

The DPIE Resources Regulator environmental related legislation is the Mining Act 1992.

The Department has issued Mining Lease 5087 and 6322 over the Nowra Brickworks Quarry site.

In addition, the Department has approved a Mining Operations Plan (MOP) over the site (approved 1 October 2015 for period ending 30 June 2021).

Depending on the scope of your audit, suggested focus points relevant to the Resources Regulator would be:

- General compliance with some or all of the Conditions of ML5087 and ML6322
- Assessment of site disturbance and rehabilitation areas in comparison with the areas proposed in the Mining Operation Plan. Focal points would be ensuring disturbance areas do not exceed areas permitted, and that rehabilitation progress is occurring as per the MOP schedule.

A copy of the Mining Operations Plan should be available directly from the company. I can provide copies of the Mining Lease conditions upon request.

Happy to discuss further if needed.

Regards

Greg Kininmonth
Manager Environmental Operations

Resources Regulator | Department of Planning, Industry and Environment
T 02 4276 7428 | M 0429 168 021 | E greg.kininmonth@planning.nsw.gov.au
Level 3, Block F | 84 Crown Street | Wollongong NSW 2500
PO Box 674 | Wollongong NSW 2500
resourcesregulator.nsw.gov.au



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Environment

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The Department of Planning, Industry and Environment acknowledges that it stands on Aboriginal land. We acknowledge the traditional custodians of the land and we show our respect for elders past, present and emerging through thoughtful and collaborative approaches to our

work, seeking to demonstrate our ongoing commitment to providing places in which Aboriginal people are included socially, culturally and economically.



From: Joshua Montford <Joshua.Montford@arup.com>
Sent: Friday, 11 October 2019 10:28 AM
To: Greg Kininmonth <greg.kininmonth@planning.nsw.gov.au>
Cc: Tim Cook <Tim.Cook@arup.com>
Subject: Independent Environmental Audit of Nowra Brickworks Quarry – Stakeholder Consultation

Dear Greg,

Arup has been commissioned by South Coast Concrete Crushing and Recycling Quarry Pty Ltd (SCCCR Quarries) to undertake an Independent Environmental Audit for the Nowra Brickworks Quarry at South Nowra, NSW. Prior to undertaking the independent audit, Arup seeks to consult with key agencies and stakeholders to obtain their input into the scope of the audit.

The onsite audit interview and inspection is scheduled for **Wednesday 06 November 2019**.

Prior to the audit, Arup wishes to consult with DPIE, agencies and other stakeholders to obtain their input into the scope of the audit. Specifically, if there are environmental areas or issues that require a focussed investigation during the audit. Feedback is requested to be provided electronically prior to **Thursday 30 October 2019** to enable suitable review before the site interviews and inspection. If you could please send all feedback to both Tim and myself that would be appreciated.

Should you wish to discuss this proposal in further detail please do not hesitate to contact Tim on 0409 555 316 or at tim.cook@arup.com

Tim Cook

Associate Principal | Environment & Resources
Environmental Due Diligence and Compliance Lead NSW/ACT

Arup

151 Clarence St, Sydney NSW 2000 Australia

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Email: Tim.Cook@arup.com

Joshua Montford

Graduate Environmental Engineer | NSW/ACT Environment and Resources
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A2 EPA



DOC19/908412-1
Date: 28/10/19

Mr Tim Cook
Associate Principal
ARUP Pty Ltd
151 Clarence Street
Sydney NSW 2000

Dear Mr Cook

Re: Independent Environmental Audit of Nowra Brickworks Quarry – Environment Protection Licence 11765

I refer to your email on 11 October 2019 requesting the Environment Protection Authority's ('EPA') input into an independent environmental audit that will shortly be commenced at Nowra Brickworks Quarry, which is licenced under Environment Protection Licence No. 11765 ('the licence'). The EPA understands that the timeframe in which the audit will cover is from December 2015 to July 2019. The EPA provides the following comments which may be of assistance.

Dust

Since December 2015, the EPA has received several complaints regarding dust emissions premises and dust tracking on the highway. The details of the complaints are as follows:

- 7 September 2016, mud tracking was reported to have been coming from the premises and going onto the highway;
- 11 April 2017, mud and dust tracking was reported to have been coming from the premises and going onto the highway;
- 26 July 2017, a dust cloud from crushing operations and truck movements on the premises was reported to have been covering the highway and affecting visibility;
- 5 September 2017, dust from trucks leaving the premises was reported to have been ending up on cars on nearby businesses;
- 13 September 2017, dust from trucks leaving the premises was reported to have been ending up on cars on nearby businesses, and mud tracking was reported to have been coming from the premises and going onto the highway;
- While not within the audit's timeframe, on 3 October 2019, the EPA received a complaint from a business across the road regarding dust emissions leaving the premises and settling on their property. The complainant sent in photos of the dust from the quarry, which showed dust in the air above the quarry, but it wasn't clear if the dust was leaving the premises. The complainant has advised EPA that this has been an ongoing issue for years.

The EPA understands that two wheel washes have been installed at the premises to address the ongoing dust and mud tracking issues. Announced and unannounced inspections have been

conducted since the installation of the wheel washes and have found to be working well at these times. The EPA has not received a complaint regarding the dust and mud tracking since 2017.


The EPA is aware that dust monitoring is conducted monthly at the quarry with dust gauges and high-volume air samplers positioned around the site. Within the audit timeframe, dust has been within acceptable limits ($4\text{mg}/\text{m}^2/\text{month}$) and HVAS results indicate compliance with air quality goals.

Noise and vibration

Noise, blasting and vibration limits are set in the licence. When blasting is done on the premises, the licensee conducts noise and vibration monitoring and reports the results to the EPA. There have been no non-compliances with noise or blasting/vibration limits, or complaints to the EPA about noise or blasting impacts from the quarry within the audit's timeframe.

If you have any questions or wish to discuss, please contact Amanda Fletcher on (02) 6229 7002.

Yours sincerely

A handwritten signature in black ink, appearing to read 'J Goodwin', with a long horizontal stroke extending to the right.

JANINE GOODWIN
Unit Head, South East Region
NSW Environment Protection Authority

Contact officer: AMANDA FLETCHER
(02) 6229 7002

A3 Shoalhaven City Council

Joshua Montford

From: Alison McVey <Alison.McVey@shoalhaven.nsw.gov.au>
Sent: Wednesday, 23 October 2019 4:49 PM
To: Joshua Montford
Subject: [External] RE: Independent Environmental Audit of Nowra Brickworks Quarry – Stakeholder Consultation

Dear Joshua,

Thank you for the opportunity to provide input into the scope for the Environmental Audit for the Nowra Brickworks Quarry at South Nowra.

This site has had ongoing issues being reported to Council, including those listed below. As the site is licenced by the EPA complainants are referred to the EPA.

1. Ongoing dust nuisance to businesses opposite the quarry. Notably the car sale yards. Westerly winds are notoriously bad for carrying dust from the quarry across the highway.
2. Dust issues extending to safety concerns for traffic on the Princes Highway - on a number of occasions the dust generated by the quarry activities has caused significant dust clouds disturbing traffic on the Highway.
3. Ongoing issues of trucks tracking gravel offsite and depositing it along the highway, footpaths and the need for regular street sweeping.
4. The above issue also extends to trucks tracking sediment during periods of wet weather.

Other issues identified are:

5. There has also been a noticeable depletion of significant trees and vegetation along the highway frontage of the quarry. Since the installation of a high soil mound along the eastern boundary which was piled up around the trunks of large trees, some up to a depth of several metres, many of the trees have since died and now there is little vegetated buffer to soften the amenity of this significant length of highway frontage.
6. Currently large stockpiles of soil are clearly visible at the southern end of the quarry.

Kind Regards

Alison McVey
Acting Section Manager – Environmental Services
Shoalhaven City Council

02 4429 3501 | 0403 132 278
Bridge Rd (PO Box 42) Nowra NSW 2541
alison.mcvey@shoalhaven.nsw.gov.au

RESPECT | INTEGRITY | ADAPTABILITY | COLLABORATION

From: Development
Sent: Friday, 11 October 2019 10:39 AM
To: 'Joshua Montford' <Joshua.Montford@arup.com>
Subject: FW: Independent Environmental Audit of Nowra Brickworks Quarry – Stakeholder Consultation

Thanks Joshua.

I will forward this email to others for their information and input.

We will be in touch.

Please ensure that your emails are addressed to either council@shoalhaven.nsw.gov.au or Development@shoalhaven.nsw.gov.au this will ensure your email is registered, tracked and actioned. Sending correspondence to individuals could be problematic if staff are on leave, particularly if extended.

Many thanks.

Regards,

Cathy

Catherine Bern

Section Manager, Development
Shoalhaven City Council

02 4429 3111
Bridge Rd (PO Box 42) Nowra NSW 2541
council@shoalhaven.nsw.gov.au

RESPECT | INTEGRITY | ADAPTABILITY | COLLABORATION

From: Joshua Montford <Joshua.Montford@arup.com>
Sent: Friday, 11 October 2019 10:34 AM
To: Cathy Bern <Cathy.Bern@shoalhaven.nsw.gov.au>
Cc: Tim Cook <Tim.Cook@arup.com>
Subject: Independent Environmental Audit of Nowra Brickworks Quarry – Stakeholder Consultation

Dear Cathy,

Arup has been commissioned by South Coast Concrete Crushing and Recycling Quarry Pty Ltd (SCCCR Quarries) to undertake an Independent Environmental Audit for the Nowra Brickworks Quarry at South Nowra, NSW. Prior to undertaking the independent audit, Arup seeks to consult with key agencies and stakeholders to obtain their input into the scope of the audit.

The onsite audit interview and inspection is scheduled for **Wednesday 06 November 2019**.

Prior to the audit, Arup wishes to consult with DPIE, agencies and other stakeholders to obtain their input into the scope of the audit. Specifically, if there are environmental areas or issues that require a focussed

investigation during the audit. Feedback is requested to be provided electronically prior to **Thursday 30 October 2019** to enable suitable review before the site interviews and inspection. If you could please send all feedback to both Tim and myself that would be appreciated.

Should you wish to discuss this proposal in further detail please do not hesitate to contact Tim on 0409 555 316 or at tim.cook@arup.com

Tim Cook

Associate Principal | Environment & Resources

Environmental Due Diligence and Compliance Lead NSW/ACT

Arup

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Joshua Montford

Graduate Environmental Engineer | NSW/ACT Environment and Resources

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Appendix B

Documentation Received

B1 Documentation

Document Name	Document Type
Annual Environmental Management Report Dec 2015- Nov 2016 <ul style="list-style-type: none"> - Appendix A Project Approval - Appendix B EMS - Appendix C Blast Monitoring Results - Appendix D Air Monitoring Results - Appendix E Erosion and Sediment Control Log - Appendix F Landscape and Biodiversity Monitoring - Appendix G Surface Water Monitoring - Appendix H Ground Water Monitoring - Appendix I Contour Plans of Brickworks Quarry - Appendix J Complaints Register - Appendix K VENM - Appendix L Plans 	Management Report
Annual Environmental Management Report Dec 2016- Nov 2017 <ul style="list-style-type: none"> - Appendix A Project Approval - Appendix B EMS - Appendix C Blast Monitoring Results - Appendix D Air Monitoring Results - Appendix E Erosion and Sediment Control Log - Appendix F Landscape and Biodiversity Monitoring - Appendix G Surface Water Monitoring - Appendix H Ground Water Monitoring - Appendix I Contour Plans of Brickworks Quarry - Appendix J Complaints Register - Appendix K VENM - Appendix L Plans 	Management Report
Annual Environmental Management Report July 2017- June 2018 <ul style="list-style-type: none"> - Appendix A Project Approval - Appendix B EMS - Appendix C Blast Monitoring Results - Appendix D Noise Monitoring Results - Appendix E Air Monitoring Results - Appendix F Erosion and Sediment Control Log - Appendix G Landscape and Biodiversity Monitoring - Appendix H Surface Water Monitoring - Appendix I Ground Water Monitoring - Appendix J Contour Plans of Brickworks Quarry - Appendix K Complaints Register - Appendix L VENM - Appendix M Plans 	Management Report
Annual Environmental Management Report July 2018- June 2019 <ul style="list-style-type: none"> - Appendix A Project Approval - Appendix B EMS - Appendix C Blast Monitoring Results - Appendix D Noise Monitoring Results - Appendix E Air Monitoring Results - Appendix F Erosion and Sediment Control Log - Appendix G Landscape and Biodiversity Monitoring - Appendix H Surface Water Monitoring 	Management Report

<ul style="list-style-type: none"> - Appendix I Ground Water Monitoring - Appendix J Contour Plans of Brickworks Quarry - Appendix K Complaints Register - Appendix L VENM - Appendix M Plans 	
<p>Mining Operations Plan 2015-2021 (September 2015)</p> <ul style="list-style-type: none"> - Appendix A Signed Instrument of Consent and Statement of Commitments - Appendix B Environment Protection Licence - Appendix C Nowra Brickworks Quarry Environmental Management Strategy - Appendix D Landscape and Biodiversity Management Plan (February 2010) - Appendix E Mining lease conditions 	Management Report
<p>Nowra Brickworks Quarry Environmental Management Strategy (June 2010)</p> <ul style="list-style-type: none"> - Appendix A Project Approval including Statement of Commitments - Appendix B Licences - Appendix C Environmental Response Plan - Appendix D Noise Monitoring Program/Blast Management Plan (June 2010) - Appendix E Erosion and Sediment Control Plan (February 2010) - Appendix F Surface Water and Groundwater Monitoring and Response Plan (May 2010) - Appendix G Site Water Balance Report (March 2010) - Appendix H Landscape and Biodiversity Management Plan (February 2010) - Appendix I Air Quality Management Plan (June 2010) - Appendix J Aboriginal Heritage Management Plan (March 2010) - Appendix K Record Sheets (May 2010) - Appendix L Maps (June 2010) 	Management Plans
<p>Updated Management Plans</p> <ul style="list-style-type: none"> - Aboriginal Heritage Management Plan (December 2018) - Air Quality Management Plan (February 2018) - Revised Noise Monitoring Program/Blast Management Plan (May 2018) - Nowra Brickworks Quarry Environmental Management Strategy - Revision 1 (February 2018) - Revised Landscape and Biodiversity Management Plan (February 2018) - Revised Surface Water and Groundwater Monitoring and Response Plan (May 2018) 	Management Plans
<p>EPA reporting period adjustment</p> <ul style="list-style-type: none"> - Subject: FW: SCCR Consolidation of Reporting Periods - Received: 06/02/2017 - From Julian Thomposn (EPA) 	Email Correspondence
<p>DA surrender evidence</p> <ul style="list-style-type: none"> - Subject: Surrender of DA02/3807 and DA03/3623 - Received: 05/07/2016 - From James Bonner (Council) 	Email Correspondence

Royalty Return for 2018-2019 period	Spreadsheet
WARRP evidence Title: WCMR: South Coast Concrete Crushing and Recycling – 11765 Reporting Period: January 2019	Receipt
EPA annual return submission - Subject: eConnect EPA: Annual Return submitted - Received: 05/08/2019 - From Econnect (EPA)	Email Correspondence
EPA Annual Return Statement of Compliance Title: A. Statement of Compliance - Licence Details Reporting Period: 01/07/2018 to 30/06/2019	Receipt
AWS Weighbridge Verification Form 3R412 Outbound (15/08/2018) AWS Weighbridge Verification Form 3R413 Inbound (16/08/2018)	Form
NMI Servicing License SL-0375 Issued: 12/05/2018 Expired: 12/05/2021	Receipt
Southern Oil Invoice 1 Invoice No: 00008778 Date: 12/09/2019 Southern Oil 2 Invoice No: 00008922 Date: 03/10/2019	Invoice
Southern Oil Delivery Dockets Date: 03/07/2019 & 04/07/2019	Receipt
Production Manager Project Approval EMS Induction Gemaya Shephard (12/12/2019) SCCCR Quarrying Operator Induction (17/12/2019) Weighbridge Operator Induction Angela Thornley (12/12/2019)	Induction Form
SLR Consulting 2019/2020 Noise Surveys - Subject: RE: 610.12540 2019/2020 Noise Surveys	Email Correspondence

- Received: 25/07/2019 - To: Dick Godson (SLR Consulting)	
Blasting Results to EPA - Subject: Blast Results - 07/06/2019 - Received: 07/06/2019 - To: Julian Thompson (EPA)	Email Correspondence
Blast Notification to Nowra Correctional Facility and Goodsell Residence - Subject: SCCR Quarry Blast Friday 07.06.2019 - Received: 06/06/2019 - To: David Mclean (Prison), Goodsell Residence, Julian Thompson (EPA), Julie Vella (Prison), Michael Reid (Prison), Shoalhaven City Council, Stefan Press (EPA), Paul Ashbrook (Police)	Email Correspondence
Weed Management 1 Name: Proust Land Services, Invoice No: scr191 Date: 15/03/2019 Weed Management 2 Name: Proust Land Services, Invoice No: scr03 Date: 30/10/2018	Invoice
Quarry Map Monitoring Locations Signed by: John Green (SCCR Quarries)	Map
EPL Licence Variation Subject: NOTICE OF VARIATION OF LICENCE NO. 11765 Date: 04/04/2019	Letter
EPA Monitoring Locations Date: 25/01/2019 From: Janine Goodwin	Letter
High Wind Speed Alarm (83 notification emails) for the date 23/11/2018 Subject: High Wind Speed Alarm at sccr	Email Correspondence
Daily Weather Summary Email (8 notification emails) for the period 18/06/2019 to 06/11/2019 Subject: Daily Summary Email for sccr	Email Correspondence

<p>Maintenance Records for S115 Excavator</p> <p>At 4750hrs, Date: 24/11/2018</p> <p>At 5000hrs, Date: 23/03/2019</p> <p>At 5250hrs, Date: 10/04/2019</p> <p>At 5550hrs, Date: 12/06/2019</p> <p>At 5750hrs, Date: 20/08/2019</p> <p>At 6000hrs, Date: 25/09/2019</p> <p>At 6250hrs, Date: 10/12/2019</p> <p>Maintenance Records for S972 Crusher</p> <p>At 2500hrs, Date: 12/17/2018</p> <p>At 2750hrs, Date: 05/11/2018</p> <p>At 3000hrs, Date: 23/02/2019</p> <p>At 3500hrs, Date: 14/06/2019</p> <p>Maintenance Records for S980 Loader</p> <p>At 5000hrs, Date: 20/10/2018</p> <p>At 5250hrs, Date: 16/11/2018</p> <p>At 5750hrs, Date: 06/02/2019</p> <p>At 6000hrs, Date: 23/03/2019</p> <p>At 6250hrs, Date: 29/05/2019</p> <p>At 6500hrs, Date: 13/07/2019</p> <p>At 6750hrs, Date: 07/09/2019</p> <p>At 7000hrs, Date: 13/11/2019</p>	Service Records
<p>South Coast Site Rentals 1</p> <p>Invoice No: SCSR7375 Date: 03/05/2019</p> <p>South Coast Site Rentals 2</p> <p>Invoice No: SCSR7507 Date: 05/06/2019</p>	Invoice
Sediment and Erosion Control Log (site walkover) for reporting period July 2018-June 2019	Spreadsheet
Imported Demotion, Concrete and Brick Materials (including rejected loads) for May 2019	Spreadsheet

<p>NSW DPIE letters:</p> <ul style="list-style-type: none"> - Approval of Aboriginal Cultural Heritage Management Plan <p>Subject: Nowra Brickworks Quarry (MP 07_0123) Approval of Aboriginal Cultural Heritage Management Plan</p> <p>Date: 07/12/2018</p> <p>From: Howard Reed</p> - Approval of Blast Management Plan and Environmental Management Strategy <p>Subject: Nowra Brickworks Quarry (MP 07_0123) Blast Management Plan and Environmental Management Strategy</p> <p>Date: 11/05/2018</p> <p>From: Howard Reed</p> - Review of Management Plans <p>Subject: Nowra Brickworks Quarry (MP 07_0123) Review Management Plans</p> <p>Date: 10/04/2018</p> <p>From: Howard Reed</p> - Soil Management Plan <p>Subject: Nowra Brickworks Quarry (MP 07_0123) Soil and Water Management Plan</p> <p>Date: 22/05/2018</p> <p>From: Howard Reed</p> 	Letter
<p>DPIE Inspection Outcome Nowra Brickworks and Flat Rock Quarry</p> <p>Subject: Inspection Outcome</p> <p>Date: 08/04/2019</p> <p>From: Greg Kininmonth (DPIE)</p>	Letter
<p>Updates for SCCR Quarries Environmental Page</p> <ul style="list-style-type: none"> - Subject: Website Changes - South Coast Concrete Crushing & Recycling - 100001747589 - Received: 11/12/2019 - From: Yellow Websites 	Email Correspondence

<p>Website Changes Completed</p> <p>- Subject: Website Changes Completed - South Coast Concrete Crushing & Recycling</p> <p>- Received: 12/11/2019</p> <p>- From: Yellow Websites</p>	Email Correspondence
<p>SCCR Bank Guarantee 2016</p> <p>To: EPA</p> <p>For: South Coast Concrete Crushing & Recycling Pty Ltd</p> <p>Guarantee No: 233634581</p> <p>Ref: 821270144-233423020</p> <p>Dated: 22/6/2016</p>	Receipt
<p><u>Stakeholder Consultation</u></p> <p>DPIE:</p> <p>Subject: RE: Independent Environmental Audit of Nowra Brickworks Quarry - Stakeholder Consultation</p> <p>Date: 01/11/2019</p> <p>From: Greg Kininmonth (DPIE)</p> <p>EPA:</p> <p>Subject: RE: Independent Environmental Audit of Nowra Brickworks Quarry - Stakeholder Consultation</p> <p>Date: 28/10/2019</p> <p>From: Janine Goodwin (EPA)</p> <p>Council:</p> <p>Subject: RE: Independent Environmental Audit of Nowra Brickworks Quarry - Stakeholder Consultation</p> <p>Date: 23/10/2019</p> <p>From: Alison McVey (Council)</p>	Email Correspondence

Appendix C

Compliance with Project
Approval DA 07/0123, EPL
11765, Statement of
Commitments, ML 5087, ML
6322

C1 Project Approval DA 07/0123

SCCCR 2019 Compliance Audit					
Approval (ID)	Requirement	Evidence Collected	Audit Findings	Audit Recommendations	Compliance Status
Schedule 2 Administrative Conditions					
Obligation to Minimise Harm to the Environment					
S2-1	In addition to meeting the specific performance measures and criteria established under this approval, the Proponent must implement all reasonable and feasible measures to prevent, and if prevention is not reasonable and feasible, minimise, any material harm to the environment that may result from the construction and operation of the project, and any rehabilitation required under this approval.	Noted	Refer to audit outcomes for conditions relating to this approval (this table). While during the audit period, non conformance were noted, additional management as per the EMS has been conducted. Structures such as the now operational wheel wash were installed to reduce the potential for tracking of dust and generation of complaints. During the site visit it was evident however that, especially in relation to dust moving beyond the site boundary, not all reasonable and feasible actions were being undertaken.	Refer to recommendations within this report.	Non-compliant
Terms of Approval					
S2-2	The Proponent must carry out the project generally in accordance with the: (a) EA; (b) EA (Mod 1); (c) EA (Mod 2); (d) project layout; and (e) Statement of Commitments.	This Table	The proponent is generally carrying out their works in accordance with terms of approval as documented in this report.	N/A	Compliant
S2-2a	The Proponent must carry out the project in accordance with the conditions of this approval.	This Table	Refer to audit outcomes for conditions relating to this approval.	N/A	Compliant
S2-3	The conditions of this approval and directions of the Secretary prevail to the extent of any inconsistency, ambiguity or conflict between them and a document referenced in condition 2 of this Schedule. In the event of an inconsistency, ambiguity or conflict between any of the documents referenced in condition 2 of this Schedule, the most recent document prevails. <i>Note: For the purposes of this condition, there will be an inconsistency between documents if it is not possible to comply with both documents, or in the case of a condition of approval or direction of the Secretary, and a document, if it is not possible to comply with both the condition or direction, and the document.</i>	N/A	No other inconsistencies have been identified.	N/A	Compliant
S2-4	Consistent with the requirements of this approval, the Secretary may make written directions to the Proponent in relation to: (a) the content of any strategy, study, system, plan, program, review, audit, notification, report or correspondence submitted under or otherwise made in relation to this approval, including those that are required to be, and have been, approved by the Secretary; and	<p>NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Approval of Aboriginal Cultural Heritage Management Plan (7/12/2018).</p> <p>NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Approval of Blast Management Plan and Environmental Management Strategy (11/05/2018).</p> <p>NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Review of Management Plans (10/04/2018).</p> <p>NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Soil Management Plan (22/05/2018).</p> <p>NSW EPA email correspondence: consolidation of reporting periods (6/02/2017).</p> <p>Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019</p> <p>Company website (http://www.scccrquarries.com.au/)</p>	<p>SCCCR Quarries have provided evidence of the approval from DPIE for updated versions of the following plans in 2018:</p> <ul style="list-style-type: none"> > Aboriginal Cultural Heritage Management Plan > Blast Management Plan > Environmental Management Strategy > Noise Management program > Air Quality Monitoring Program > Erosion and Sediment Control Plan > Surface and Groundwater Response Plan > Groundwater Monitoring Program > Surface Water Monitoring Program <p>SCCCR Quarries also have provided evidence of the approval from NSW EPA to change their reporting period to July 1st of each year.</p> <p>DPIE have not formally removed the requirement for SCCCR Quarries to establish and operate a Community Consultative Committee. SCCCR Quarries advised in the previous audit that it had undertaken an advertisement in the local newspaper and a letter box drop was also conducted to surrounding landowners, as required. This remains unchanged for this audit. Currently there is a link on the SCCCR Quarries website for expression of interest to join the Community Consultative Committee however no one has yet to take up the offer according to the SCCCR Quarries Site Manager.</p>	No recommendations	Compliant
S2-4	(b) the implementation of any actions or measures contained in any such document referred to in (a) above. <i>Note: For the purposes of this condition, there will be an inconsistency between documents if it is not possible to comply with both documents, or in the case of a condition of consent or direction of the Secretary, and a document, if it is not possible to comply with both the condition or direction, and the document.</i>		The implementation of all actions, especially in relation to noise monitoring and dust control were not being suitably undertaken throughout the audit period.	Refer to specific comments, related to the nominated documentation.	Non-compliant (NC 1)
S2-5	The Proponent must prepare revisions of any strategies, plans or programs required under this approval if directed to do so by the Secretary. Such revisions must be prepared to the satisfaction of, and within a timeframe approved by, the Secretary.	Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	There had been no requests to revise any plans or strategies.	No recommendations	Not-triggered
S2-6	By 30 June 2010, the Proponent must surrender all existing development consents for the site to the relevant consent authority, to the satisfaction of the Secretary.	NSW EPA email correspondence: Surrender of DA02/3807 and DA03/3623 (5/07/2016).	SCCCR Quarries provided an email correspondence from Shoalhaven City Council confirming that Council has received the surrendered development consents DA02/3807 and DA03/3623.	This condition should be closed	Compliant

Limits of Approval					
S2-7	The Proponent may undertake quarrying operations on the site until 31 December 2019. <i>Note: Under this approval, the Proponent is required to decommission and rehabilitate the site and carry out additional requirements. Consequently, this approval will continue to apply in all respects other than to permit the carrying out of quarrying operations, until the rehabilitation of the site and those requirements and undertakings have been carried out to the required standard.</i>	N/A	This condition has not been triggered.	N/A	Not-triggered
S2-8	The Proponent must 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/ENM (in total) to the site; or (e) despatch more than 500,000 tonnes per year of quarry products from the site.	AEMR Table 2 Production and Waste Summary, page 12. Site inspection 6th November 2019 SCCCR royalty spreadsheet 2018/2019 Waste and Resourcing Reporting Portal (WARRP) Reports to EPA (February, March, April, May, June 2019) Receipt of Annual Return to EPA and Annual Return Summary (2018/19) Weighbridge calibration forms	A summary table of Production and Waste material is provided in the 2016, 2017, 2018, and 2019 AEMR indicate compliance. Royalty sheet was provided after the site investigation for the 2018-2019 reporting period. This includes extracting 338,150 tonnes of clay/shale, structural clay & associated materials, importation of 23,997 tonnes of recycling material, import of 47,521 tonnes of blending materials, and despatch of 410,933 of quarry products. All these tonnages are below the limits outlined in the Project Approval. Waste and Resourcing Reporting Portal (WARRP) reports to the EPA indicated monthly monitoring and compliance as did the SCCCR Quarries Annual Returns to the EPA. A digital copy of all import material records including accepted loads, rejected loads, vehicle and driver information was visually confirmed at SCCCR site. The site inspection identified that no additional material was being deposited onsite. Weigh bridges are installed on site to record import and export amounts. They are calibrated regularly according to SCCCR Quarries Site Manager. Recent Calibration forms for the weighbridges was provided as evidence.	No recommendations	Compliant
S2-8a	The Proponent may receive up to three unladen trucks at the site between: (a) 6.00 am and 7.00 am Monday to Saturday; and (b) 6.00 pm and 8.00 pm Monday to Friday; and (c) 4.00 pm and 6.00 pm Saturday.	Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	No trucks are received outside of operating hours which was confirmed during the site visit.	No recommendations	Compliant
S2-9	Deleted	N/A	This condition has not been triggered.	N/A	Not-triggered
Structural Adequacy					
S2-10	The Proponent must 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. <i>Notes:</i> • Under Part 6 of the EP&A Act, the Proponent is required to obtain construction and occupation certificates for the proposed building works. • Part 8 of the EP&A Regulation sets out the requirements for the certification of the project.	N/A	This was addressed in the 2016 audit and no new permanent buildings or structures were installed during this period.	No recommendations	Compliant
Demolition					
S2-11	The Proponent must ensure that all demolition work is carried out in accordance with Australian Standard AS 2601-2001: The Demolition of Structures, or its latest version.	Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	It was established during the audit that demolition has not been carried out on site; hence this condition has not been triggered.	No recommendations	Not-triggered
Operation of Plant and Equipment					
S2-12	The Proponent must ensure that all plant and equipment used on site is: (a) maintained in a proper and efficient condition; and (b) operated in a proper and efficient manner.	Weighbridge calibration forms Dockets for oil waste removal : Southern Oil 12/09/2019, Southern Oil 3/10/2019, Southern Oil 3/07/2019 Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	All plant and machinery on site appeared to be in good working order. The site keeps a digital record of all maintenance conducted on site. Evidence of their software, Assignar, was seen during the site visit. Recent Calibration forms for the weighbridges was also provided as evidence. Oil filters and oil waste is removed by external company, Southern Oil. Dockets were provided as evidence. 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 was regularly checked.	No recommendations	Compliant
Protection of Public Infrastructure					
S2-13	Unless the Proponent and the applicable authority agree otherwise the Proponent must: (a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the project; and (b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the project. <i>Note: This condition does not apply to damage to roads caused as a result of general road usage or otherwise addressed by contributions required by condition 33 of Schedule 3.</i>	Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	No request for repairs have been made for any public infrastructure. This was confirmed by site personnel.	No recommendations	Compliant
Compliance					
S2-14	The Proponent must ensure that all of its employees, contractors (and their sub-contractors) are made aware of, and are instructed to comply with, the conditions of this approval relevant to activities they carry out in respect of the project.	Induction Forms (signed) for Production Manager, Quarrying Operator, Weighbridge Operator (December 2019).	As part of the induction process it was detailed that inductees must read the project approval, relevant management plans to be inducted on site. Evidence provided indicated signed forms from 3 staff (December 2019 (outside of reporting period)) from an online mobile application. The observation however was that the practical application of the documentation, such as the relevant management plans were not all being actively used by management and site personnel. While the induction documentation requires individuals to download and read the appropriate environmental and project approval documents, the use of a mobile device would make it very difficult for the inductee to understand all of the conditions and how they are relevant to their activities. No evidence was provided for induction activities that occurred within the reporting period.	Corrective Action (CA-1) Specific training be rolled out to site personnel on the summarised requirements of the Conditions of Approval, and management plans as relevant to the operation of the site.	Non-compliant

Applicability Guidelines																														
S2-15	References in the conditions of this approval to any guideline, protocol, Australian Standard or policy are to such guidelines, protocols, standards or policies in the form they are in as at the date of this approval. However, consistent with the conditions of this approval and without altering any limits or criteria in this approval, the Secretary may, when issuing directions under this approval in respect of ongoing monitoring and management obligations, require compliance with an updated or revised version of such a guideline, protocol, standard or policy, or a replacement of them.	Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	The secretary has not made any additional requests to update documentation	No recommendations	Compliant																									
Schedule 3 Specific Environmental Conditions																														
Noise																														
S3-1 Hours of Operation	<p>The Proponent must comply with the operating hours set out in Table 1.</p> <p><i>Table 1: Operating hours</i></p> <table><tr><th>Activity</th><th>Permissible Hours</th></tr><tr><td rowspan="3">Quarrying operations</td><td>7.00 am to 6.00 pm Monday to Friday</td></tr><tr><td>7.00 am to 4.00 pm Saturday</td></tr><tr><td>At no time on Sundays or public holidays</td></tr></table> <p>hours for quarrying operations, as</p>	Activity	Permissible Hours	Quarrying operations	7.00 am to 6.00 pm Monday to Friday	7.00 am to 4.00 pm Saturday	At no time on Sundays or public holidays	<p>Appendix B EMS, Section 14.4.3 and Section 14.6.3 (2016-2019)</p> <p>SCCCR Quarries Nowra Brickwork Quarry Environmental Management Strategy (EMS) (June 2010)</p> <p>Noise Monitoring Program (Appendix D, EMS).</p> <p>SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR Appendix K (2018-2019).</p> <p>Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019</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 14.4.3 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> <p>No complaints were received regarding the operating hours of the quarry.</p>	No recommendations	Compliant																			
Activity	Permissible Hours																													
Quarrying operations	7.00 am to 6.00 pm Monday to Friday																													
	7.00 am to 4.00 pm Saturday																													
	At no time on Sundays or public holidays																													
S3-1a Hours of Operation	<p>The following activities may be carried out outside the hours specified in condition 1 of this Schedule:</p> <p>(a) activities that are inaudible at residences on privately-owned land;</p> <p>(b) the delivery or dispatch of materials as requested by the NSW Police Force or other public authorities for safety reasons; or</p> <p>(c) emergency work to avoid the loss of life, property or to prevent material harm to the environment. In such circumstances, the Proponent must notify the Department and affected residents prior to undertaking the activities, or as soon as is practical thereafter.</p>	N/A	There are no operations conducted outside of normal operating hours as confirmed by site personnel.	No recommendations	Not-triggered																									
S3-2 Operational Noise Criteria	<p>The Proponent must ensure that operational noise generated by the project does not exceed the criteria in Table 2 at any residence on privately-owned land.</p> <p><i>Table 2: Operational noise criteria dBA</i></p> <table><tr><th>Receiver</th><th>Location</th><th>Day L_{day}(15min)</th><th>Evening L_{evening}(15min)</th><th>Night L_{night}(15min)</th></tr><tr><td>1</td><td>80 Links Road</td><td>39</td><td>35</td><td>NA</td></tr><tr><td>2</td><td>371 Old Southern Road</td><td>45</td><td>35</td><td>35</td></tr><tr><td>4</td><td>243 Princess Highway</td><td>49</td><td>38</td><td>38</td></tr><tr><td>5</td><td>South Coast Correctional Facility</td><td>51</td><td>37</td><td>37</td></tr></table> <p>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. Appendix 6 sets out the meteorological conditions under which these criteria apply and the requirements for evaluating compliance with these criteria.</p> <p>However, the noise criteria in Table 2 do not apply if the Proponent has an agreement with the relevant landowner to exceed the noise criteria, and the Proponent has advised the Department in writing of the terms of this agreement. Note: Receiver locations are shown in Appendix 3.</p>	Receiver	Location	Day L _{day} (15min)	Evening L _{evening} (15min)	Night L _{night} (15min)	1	80 Links Road	39	35	NA	2	371 Old Southern Road	45	35	35	4	243 Princess Highway	49	38	38	5	South Coast Correctional Facility	51	37	37	<p>Noise Monitoring reports in AEMR (2016-2019) Appendix D</p> <p>Monitoring reports undertaken by SLR Consulting Australia Pty Ltd.</p> <p>AEMR (2016-2019), Section 3.2 Noise Monitoring</p> <p>AEMR (2016-2019) Section 4.2 Complaints</p> <p>SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR Appendix K (2018-2019).</p> <p>Email Correspondence engaging SLR consulting to conduct noise monitoring.</p>	<p>Noise monitoring, when undertaken, has occurred at monitoring stations 1, 2, 4 and 5 by SLR Consulting Australia Pty Ltd and is reported in the AEMR (2018) Appendix D. Noise monitoring:</p> <ul style="list-style-type: none">Noise monitoring was <u>not</u> undertaken in 2016 & 2017Noise monitoring was undertaken in January 2018 as part of updating their current noise management planNoise monitoring was <u>not</u> undertaken during the beginning of 2019, and is recognised as an operational non conformance, however has been rectified for the future reporting period. <p>SLR consulting have been engaged by SCCCR Quarries to conduct quarterly noise monitoring from 2019 onwards to be able to demonstrate operational noise criteria compliance.</p> <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. "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>	<p>Corrective Action (CA-2)</p> <p>A disparity exists between the requirement to demonstrate operational noise criteria compliance and the Noise Management Plan. SCCCR have commissioned quarterly noise monitoring and as such the noise management plans and associated documentation (CEMP) should be updated and provided to the Secretary for Approval.</p>	Non-compliant
Receiver	Location	Day L _{day} (15min)	Evening L _{evening} (15min)	Night L _{night} (15min)																										
1	80 Links Road	39	35	NA																										
2	371 Old Southern Road	45	35	35																										
4	243 Princess Highway	49	38	38																										
5	South Coast Correctional Facility	51	37	37																										

S3-3 Noise Operating Conditions	<p>The Proponent must:</p> <p>(a) implement all reasonable and feasible noise mitigation measures to minimise the noise impacts of the project;</p> <p>(b) investigate ways to reduce the noise generated by the project;</p> <p>(c) take all reasonable steps to minimise the noise impacts of the project during meteorological conditions when the noise criteria in this approval do not apply (see Appendix 6);</p> <p>(d) carry out regular noise monitoring in accordance with Appendix 6 to determine whether the project is complying with the relevant conditions of this approval; and</p> <p>(e) modify or stop operations on the site to comply with the relevant conditions of this approval.</p>	<p>Noise Monitoring reports in AEMR (2016-2019) Appendix D</p> <p>AEMR (2016-2019), Section 3.2 Noise Monitoring</p> <p>Appendix B EMS, Section 14.4.2 (2016-2019)</p>	<p>No noise monitoring was undertaken in 2016 & 2017. Noise monitoring was undertaken in January 2018 as part of updating their current noise management plan. No noise monitoring was undertaken in 2019. This is identified as an operational non-conformance and has been rectified for the future reporting period.</p> <p>Noise monitoring ceased in until 2018 due to the following as outlined in the AEMR (2016-2017): "In accordance with section 4.4.2 Location and Frequency of the Environmental Management Strategy "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>In accordance with section 14.4.2 Location and Frequency of the Environmental Management Strategy (EMS) and Section 3.3 Nowra Brickworks Quarry, South Nowra Noise Monitoring Program/Blast Management Plan by Heggies. "Noise monitoring may be discontinued if compliance with the nominated criteria is demonstrated at all four monitoring locations on three consecutive noise surveys"</p>	Refer to Corrective Action (CA-2)	Non-compliant											
S3-4 Noise Monitoring Program	<p>The Proponent must prepare a Noise Monitoring Program for the project to the satisfaction of the Secretary.</p> <p>The Program must:</p> <p>(a) be prepared in consultation with EPA and be submitted to the Secretary for approval within 6 months of the date of this approval;</p> <p>(b) include annual attended noise monitoring;</p> <p>(c) describe the proposed noise management system; and</p> <p>(d) include a noise monitoring program that:</p> <ul style="list-style-type: none">• is capable of evaluating the performance of the project;• includes a protocol for determining any exceedances of the relevant conditions of this approval; and• effectively supports the noise management system. <p>The Proponent must implement the Noise Monitoring Program as approved by the Secretary.</p>	AEMR (2016-2019), Appendix D	Noise management documentation was in place however, no monitoring occurred in 2016, 2017 and 2019. Noise monitoring was conducted in January of 2018 in accordance with the Noise Monitoring Program. It is recommended that all required consultation occur on any changes to the Noise Monitoring program and that all site based documents, including the CEMP are updated.	Refer to Corrective Action (CA-2)	Non-compliant											
Blasting and Vibration																
S3-5 Air blast Overpressure Limits	<p>The Proponent must ensure that the air blast overpressure level from blasting at the project does not exceed the criteria in Table 3.</p> <p><i>Table 3: Airblast overpressure impact assessment criteria</i></p> <table><tr><th>Receiver</th><th>Airblast overpressure level (dB(Lin Peak))</th><th>Allowable exceedance</th></tr><tr><td rowspan="2">Residential & South Coast Correctional Facility</td><td>115</td><td>5% of the total number of blasts in any 12 month period</td></tr><tr><td>120</td><td>0%</td></tr><tr><td>Commercial</td><td>125</td><td>0%</td></tr></table>	Receiver	Airblast overpressure level (dB(Lin Peak))	Allowable exceedance	Residential & South Coast Correctional Facility	115	5% of the total number of blasts in any 12 month period	120	0%	Commercial	125	0%	<p>AEMR Appendix B EMS (2016-2019)</p> <p>Blast Management Plan (Appendix D, EMS)</p> <p>AEMR Appendix C Blasting Results (2016-2019)</p> <p>AEMR Section 3.1 (2016-2019)</p>	<p>The EMS describes the drilling and blasting requirements for the site in Section 7. Section 14.3 provides details of the required blast monitoring including relevant criteria and references a blast design record sheet provided in Appendix K which should be completed for each blast event. The EMS also includes the Blast Management Plan as Appendix D.</p> <p>Blasting Results Air blast overpressure monitoring results were provided for 35 blasting events – 10 blasts in 2019, 8 blasts in 2018, 5 blasts in 2017, and 12 in 2016. All blasts were monitored at the four nominated locations.</p> <p>Exceedances No exceedances were reported in the AEMRs (2016-2019).</p>	No recommendations	Compliant
Receiver	Airblast overpressure level (dB(Lin Peak))	Allowable exceedance														
Residential & South Coast Correctional Facility	115	5% of the total number of blasts in any 12 month period														
	120	0%														
Commercial	125	0%														
S3-6 Ground Vibration Impact Assessment Criteria	<p>The Proponent must ensure that the ground vibration level from blasting at the project does not exceed the levels in Table 4.</p> <p><i>Table 4: Ground vibration impact assessment criteria</i></p> <table><tr><th>Receiver</th><th>Airblast overpressure level (dB(Lin Peak))</th><th>Allowable exceedance</th></tr><tr><td rowspan="2">Residential & South Coast Correctional Facility</td><td>115</td><td>5% of the total number of blasts in any 12 month period</td></tr><tr><td>120</td><td>0%</td></tr><tr><td>Commercial</td><td>125</td><td>0%</td></tr></table>	Receiver	Airblast overpressure level (dB(Lin Peak))	Allowable exceedance	Residential & South Coast Correctional Facility	115	5% of the total number of blasts in any 12 month period	120	0%	Commercial	125	0%	<p>AEMR Appendix B EMS (2016-2019)</p> <p>AEMR Appendix C Blasting Results (2016-2019)</p> <p>AEMR Section 3.1 (2016-2019)</p>	<p>Refer to Condition 3.5 in Table C1 (this table) for details of the EMS and drilling and blasting requirements for the site.</p> <p>All blasts were monitored at the four nominated locations (2,3,4 and 5) from 2016 to 2019. No exceedances were detected.</p>	No recommendations	Compliant
Receiver	Airblast overpressure level (dB(Lin Peak))	Allowable exceedance														
Residential & South Coast Correctional Facility	115	5% of the total number of blasts in any 12 month period														
	120	0%														
Commercial	125	0%														
S3-7 Ground Vibration Impact Assessment Criteria	The Proponent must carry out blasting on site only between 9 am and 3 pm Monday to Friday. No blasting is allowed on weekends and Public Holidays.	<p>AEMR Appendix B EMS (2016-2019)</p> <p>AEMR Appendix C Blasting Results (2016-2019)</p>	<p>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.</p> <p>A review of the available blasting results are presented in the 2016-2019 AEMR Appendix C. A review of all blast reports confirm that all blasts have occurred within the approved hours for 2016-2019.</p>	No recommendations	Compliant											
S3-8 Ground Vibration Impact Assessment Criteria	<p>The Proponent must not carry out more than one blast per week on site.</p> <p>Note: in the case of a documented misfire, the Proponent may carry out a second blast in the relevant week.</p>	<p>AEMR Appendix B EMS (2016-2019)</p> <p>AEMR Appendix C Blasting Results (2016-2019)</p>	<p>The EMS describes the drilling and blasting requirements including requirements consistent with this condition.</p> <p>A review of the blasting results in Appendix C of all AEMRs confirm no more than one blast was conducted per week.</p>	No recommendations	Compliant											

S3-9 Blast Operating Conditions	The Proponent must 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 fly rock-related impact to the property and to human safety to the satisfaction of the Secretary.	AEMR Appendix B EMS (2016-2019)	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. 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. The risk of fly rock-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 the EPA, police, the correctional facility, neighbouring properties, Shoalhaven City Council are notified of pending blasting events.	No recommendations	Compliant
S3-10 Property Inspections	Prior to 30 June 2010, the Proponent must advise all landowners within 500 m of proposed blasting activities, and any other landowner nominated by the Secretary, that they are entitled to a property inspection to establish the baseline condition of the property.	Pers. Comm SCCR Site Manager and Environmental Representative during site inspection 06/11/2019 AEMR Section 3.1 (2016-2019) Email Correspondence with NSW EPA (7/06/2019)	The Correctional facility, Police, Shoalhaven City Council, NSW Roads and Traffic Authority, Environmental Protection Agency and the resident occupying the house immediately to the south of the quarry site are notified at least 24 hours prior to the initiation of each blast. Email communication sent in advance of blasting activities was observed. Evidence of SCCR Quarries communicating blast monitoring results to the EPA was also provided. SCCR indicated that blasts occur in the early afternoon, normally around 1pm.	No recommendations	Compliant
S3-11 Property Inspections	If the Proponent receives a written request for a property inspection from any such landowner, the Proponent must: (a) commission a suitably qualified person, whose appointment has been approved by the Secretary, 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 (b) give the landowner a copy of this property inspection report. <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>	Pers. Comm SCCR Site Manager and Environmental Representative during site inspection 06/11/2019	No written requests for property inspections were received, hence this condition was not triggered.	No recommendations	Not-triggered
S3-12 Property Investigations	If any landowner within 500 m of proposed blasting activities, or any other landowner nominated by the Secretary, 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 must within 3 months of receiving this request: (a) commission a suitably qualified person whose appointment has been approved by the Secretary to investigate the claim and prepare a property investigation report; and (b) give the landowner a copy of the report. If this independent investigation confirms the landowner's claim, and both parties agree with these findings, then the Proponent must repair the damage to the satisfaction of the Secretary. If the Proponent or landowner disagrees with the findings of the independent property investigation, then either party may refer the matter to the Secretary for resolution.	Pers. Comm SCCR Site Manager and Environmental Representative during site inspection 06/11/2019	No damaged infrastructure complaints have been received; hence this condition was not triggered.	No recommendations	Not-triggered
S3-13 Blast Management Plan	Prior to 30 June 2010, the Proponent must prepare a detailed Blast Management Plan for the project to the satisfaction of the Secretary. The Plan must: (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. The Proponent must implement the Blast Management Plan as approved by the Secretary.	N/A	This has been addressed in the 2013 audit. No updates or significant changes in blast management were identified during this audit period.	No recommendations	Compliant
Air Quality					

S3-14 Air Quality Impact Assessment Criteria	<p>The Proponent must ensure that particulate matter emissions generated by the project do not cause exceedance of the criteria in Table 5 at any residence or privately owned land.</p> <table><tr><th>Pollutant</th><th>Averaging Period</th><th>Criterion</th></tr><tr><td>Particulate matter < 10 µm (PM₁₀)</td><td>Annual</td><td>a ≤ 30 µg/m³</td></tr><tr><td>Particulate matter < 10 µm (PM₁₀)</td><td>24 hour</td><td>b 50 µg/m³</td></tr><tr><td>Total suspended particulates (TSP)</td><td>Annual</td><td>a ≤ 90 µg/m³</td></tr></table> <p><i>Notes to Table 5:</i> <i>a Cumulative impact (i.e. increase in concentrations due to the project plus background concentrations due to all other sources).</i> <i>b Incremental impact (i.e. increase in concentrations due to the project alone, with zero allowable exceedances of the criteria over the life of the project.</i> <i>c Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents or any other activity agreed by the Secretary.</i></p>	Pollutant	Averaging Period	Criterion	Particulate matter < 10 µm (PM ₁₀)	Annual	a ≤ 30 µg/m ³	Particulate matter < 10 µm (PM ₁₀)	24 hour	b 50 µg/m ³	Total suspended particulates (TSP)	Annual	a ≤ 90 µg/m ³	<p>SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR Appendix K (2018-2019).</p> <p>Letter from EPA to Arup dated 28/10/2019</p> <p>AEMR (2016-2019)</p> <p>Site inspection 6th November 2019</p> <p>NSW EPA email correspondence: notice of variation to Licence No. 11765 (4/04/2019).</p> <p>Aerial photograph of monitoring locations.</p>	<p>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.</p> <p>One was received in 2016, three received in 2017, and one in 2019. SCCCR advised that it suspected dust was blowing from the neighbours to the north of the quarry and the EPA were notified.</p> <p>NSW EPA Annual Reports indicate a high level of variability in PM10 and Total Suspended Particle results, indicating variability in dust management across the site.</p> <p>Dust was visible leaving the site during the audit inspection, predominantly from stockpiles close the eastern and southern boundaries and generation off the haul roads.</p> <p>Refer to Clause 3.14 for discussion regarding tracking of sediment onto public roads.</p> <p>During the AEMR reporting period of 2016-2019, 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. An increased section of the road had been sealed since the previous audit to reduce dust tracking. Additionally a street sweeper occasionally was used to clean the Princes Highway road surface of dust tracking.</p> <p>The audit site inspection confirmed the environmental controls outlined in the AEMR are implemented on site however more proactive dust management is required to represent current activities.</p> <p>A street sweeper is used on the Princes Highway when needed. No dust tracking was evident during the site inspection. In addition, it was observed at the time of the audit, SCCCR have two wheel washes in operation to further reduce this issue.</p> <p>SCCCR Quarries provided evidence of the updated monitoring locations including a variation approval for the EPL from the EPA and an aerial photograph showing the monitor locations. During the site inspection it was observed that the location of the dust monitors did not suitably represent where the dust was leaving the site.</p>	<p>Corrective Action (CA-3) Active dust control is required on the site, especially along the eastern boundary and Southern end of the site. Careful consideration should be undertaken on the location and height of stockpiles and what active dust suppression activities are required during all operations and wind conditions. A review and update of the air quality management plans and monitoring locations is recommended. Update of the AEMR 9 section (3.3.1) required to replace the typo of g/m2 to ug/m2</p> <p>It is noted that since the site audit SCCCR have indicated that they have: 1. Procured and installed 10 sprinklers within the current HDPE system on the site. 2.Planned to upgrading the pump in 2020 to enable more sprinklers to be installed. 3.Purchased "dust loc" which is used to spray the stockpiles/site roads at the southern end of the site which has been successful in reducing dust generation during periods of high wind.</p>	Non-compliant
Pollutant	Averaging Period	Criterion															
Particulate matter < 10 µm (PM ₁₀)	Annual	a ≤ 30 µg/m ³															
Particulate matter < 10 µm (PM ₁₀)	24 hour	b 50 µg/m ³															
Total suspended particulates (TSP)	Annual	a ≤ 90 µg/m ³															
S3-15 Air Quality Operating Conditions	<p>The Proponent must:</p> <p>(a) implement all reasonable and feasible dust mitigation measures to minimise the dust impacts of the project;</p> <p>(b) investigate ways to reduce the dust generated by the project;</p> <p>(c) minimise the air quality impacts of the project during adverse meteorological conditions and extraordinary events (see note d under Table 5);</p> <p>(d) monitor and report on compliance with the relevant air quality conditions in this approval; and</p> <p>(e) minimise the area of surface disturbance and undertake progressive rehabilitation of the site, to the satisfaction of the Secretary.</p>	<p>AEMR Appendix B EMS (2016-2019)</p> <p>Air Quality Management Plan (Appendix I, EMS)</p> <p>AEMR Appendix E Air Monitoring Results (2016-2019)</p> <p>AEMR (2016-2019) Section 3.3 Air Monitoring.</p>	<p>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.</p> <p>Particulate Monitoring Dust Deposition Gauges (DDG), Total Suspended Particulate (TSP) and PM10 monitoring results are provided in the AEMR (2016-2019). DDG monitoring was collected monthly throughout 2016-2019. All exceedances are included within the AEMR. There was only one noted exceedance in August of 2017 which was likely cause by a fire in the adjoining property and was attributed to the neighbour to the north. EPA were notified of the issue (Appendix D).</p> <p>No exceedances were detected for TSP and PM10 throughout the reporting period.</p> <p>While dust monitoring and reporting was conducted the site visit demonstrated that best practice management was not being undertaken across the whole operation resulting in dust being observed leaving the site from haul roads and stockpiles.</p>	<p>Refer to Corrective Action (CA-3)</p>	Non-compliant												
S3-16 Air Quality Management Plan	<p>The Proponent must prepare an Air Quality Management Plan for the project to the satisfaction of the Secretary. This plan must:</p> <p>(a) be prepared in consultation with EPA;</p> <p>(b) be submitted to the Secretary for approval within 3 months of the determination of Modification 2;</p> <p>(c) describe the proposed air quality management system;</p> <p>(d) describe the measures to be implemented to ensure:</p> <ul style="list-style-type: none">compliance with the air quality criteria and operating conditions of this approval;best practice management is being employed; andthe air quality impacts of the project are minimised during adverse meteorological conditions and extraordinary events; and <p>(e) include an air quality monitoring program that:</p> <ul style="list-style-type: none">includes a protocol for determining any exceedances of the relevant conditions of this approval; andeffectively supports the air quality management system. <p>The Proponent must implement the Air Quality Management Plan as approved by the Secretary.</p>	N/A	<p>The development and approval of the Air Quality Management Plan was addressed in the 2013 audit, however it was evident that the plan has not evolved as the site has, resulting in adverse air quality impacts during certain wind conditions.</p>	<p>Refer to Corrective Action (CA-3)</p>	Non-compliant												
S3-16a Meteorological Monitoring	<p>For the life of the project, the Proponent must ensure that there is a suitable meteorological station operating in the vicinity of the site that complies with the requirements in the Approved Methods for Sampling and Analysis of Air Pollutants in New South Wales guideline.</p>	<p>Monitoring reports generated by WeatherLink monitor</p>	<p>There is a meteorological station onsite adjacent to the site office. This meteorological station monitors windspeed, temperature, humidity, rainfall etc.</p>	No recommendations	Compliant												
Water Management <i>Note: Under the Water Act 1912 and/or the Water Management Act 2000, the Proponent is required to obtain all necessary approvals and/or water licences for the project.</i>																	
S3-17 Discharge	<p>Except as may be expressly provided for by an EPL, the Proponent must comply with section 120 of the Protection of the Environment Operations Act 1997 during the carrying out of the project.</p>	EPL 11765	<p>No exceptions provided by the EPL.</p> <p>Refer also to Condition 3.19 in Table C1 (this table) below.</p>	No recommendations	Compliant												
S3-18 Discharge	<p>The Proponent must manage on-site sewage to the satisfaction of the Council and EPA. The facility must comply with the requirements of the Environment and Health Protection Guidelines – On-site Sewage Management for Single Households (1998).</p>	<p>Invoices South Coast Site Rentals 3/05/2019 (INVSCSR7375), 5/06/2019 (INVSCSR7507)</p>	<p>On-site sewerage is pumped out by South Coast Site Rentals. Invoices are provided as evidence.</p>	No recommendations	Compliant												

S3-19 Soil and Water Management Plan	<p>The Proponent must prepare a Soil and Water Management Plan for the project to the satisfaction of the Secretary. This plan must:</p> <p>(a) be prepared in consultation with EPA and DoI Water, and be submitted to the Secretary for approval prior to 30 June 2010; and</p> <p>(b) include a:</p> <ul style="list-style-type: none"> • Site Water Balance; • Erosion and Sediment Control Plan; • Surface Water Monitoring Program; • Ground Water Monitoring Program; and • Surface and Groundwater Response Plan. <p>The Proponent must implement the Soil and Water Management Plan as approved by the Secretary.</p>	<p>Surface Water and Ground Water Monitoring Response Plan, 2018 (Appendix F, EMS)</p> <p>EMS Erosion and Sediment Control Plan (Appendix E, EMS)</p> <p>Surface Water and Groundwater laboratory results AEMR (2016-2019)</p> <p>Site audit inspection 6 November 2019</p> <p>Sediment and Erosion Control Spreadsheet (site walkover spreadsheet)</p>	<p>The preparation of a Soil and Water Management Plan was conducted as outlined in the previous external audit. An update of the plan (2018) is in place.</p> <p>Site Water Balance - During the audit site inspection it was noted current flow is retained in the water storage facility (see Sheet ESCP01 in Appendix E, EMS) and in high rainfall events drains into the sediment basin within the quarry excavation area. Sediment control fences are in place between Nowra Creek while bunding of soil around the site boundary prevents rainfall from leaving the site. Stockpile and sediment control measures outlined in the Erosion and Sediment Control Plan have been implemented.</p> <p>Erosion and Sediment Control - As outlined within the Erosion and Sediment Control Plan within the EMS, regular inspections were conducted at least fortnightly by the quarry manager and a record is provided in the AEMR's (2016-2019).</p> <p>Surface Water - Water Monitoring has been undertaken after rainfall events greater than 50 mm at location S4, C1, C2, C10 and S5 3 times in 2019, once in 2018, three times in 2017, and three times in 2016. Analytical results provided in the 2016-2019 AEMRs. A review of monitoring events from 2016-2019 are provided in the AEMR (2016-2019) Appendix G. According to the EMS, five monitoring events should occur per year, dependant upon rainfall.</p> <p>Groundwater - The Groundwater monitoring program has been implemented as outlined in the EMS. Quarterly sampling occurred from 2016 to 2019 in-line with the Surface Water and Groundwater monitoring and Response Plan. Sampling has occurred at four wells (P2, P3, P5 and P7). A review of monitoring results are provided in the 2016-2019 AEMRs Appendix H (2016, 2017) and Appendix I (2018, 2019).</p> <p>The site walkover indicated that the recontouring of the active site has resulted in surface water flowing into the site, rather than off site. A review of surface flows and monitoring requirements is recommended, with the possibility of reducing the monitoring scope, based on the potential offsite impact.</p>	<p>Improvement opportunity (IO-1) Review the surface water flows and monitoring program (Southern end of site) based on the potential to capture and reuse additional surface water rather than diverting it offsite and thus requiring monitoring.</p>	Compliant
S3-20 Site Water Balance	<p>The Site Water Balance must:</p> <p>(a) include details of:</p> <ul style="list-style-type: none"> • sources and security of water supply; • water make and use on site; • water management on site; • any off-site water transfers; and • reporting procedures; and <p>(b) investigate and describe measures to minimise water use by the project.</p>	<p>AEMR Appendix B EMS (2016-2019)</p> <p>Site Water Balance (Appendix G, EMS)</p> <p>Site audit inspection 6 November 2019</p> <p>Surface Water and Groundwater Monitoring and Response Plan (May 2010) (Appendix F, EMS)</p> <p>EMS Erosion and Sediment Control Plan (Appendix E, EMS)</p>	<p>The operation has not significantly changed to impact the original water balance for the site. As the operations continue, a larger proportion of surface water is being redirected back into the quarry pit that during initial establishment. Captured water is used mainly for dust suppression, wheel washing and landscaping.</p>	No recommendations	Compliant
S3-21 Erosion and Sediment Control	<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, 4th 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>	<p>Site audit inspection 6 November 2019</p> <p>EMS Erosion and Sediment Control Plan (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>Refer to Sch 3.19 for the implementation of this plan at the quarry site.</p>	No recommendations	Compliant
S3-22 Surface Water Monitoring	<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>	<p>AEMR Appendix B EMS (2016-2019)</p> <p>Surface Water and Ground Water Monitoring Response Plan (Appendix F, EMS)</p>	<p>A Surface Water and Groundwater Monitoring and Response Plan (SWGMRP) (EMS Appendix F) 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>Nowra Creek was dry at the time of the audit inspection.</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>	No recommendations	Compliant
S3-23 Groundwater Monitoring	<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>	<p>AEMR Appendix B EMS (2016-2019)</p> <p>Surface Water and Ground Water Monitoring Response Plan (Appendix F, EMS)</p>	<p>A Surface Water and Groundwater Monitoring and Response Plan (SWGMRP) (EMS Appendix F) was prepared to meet the requirements of this condition. 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. Additionally, the EMS summarises the requirements for groundwater monitoring for the site in Section 14.12. During the inspection it was noted that piezometer 7 was under repair.</p>	No recommendations	Compliant

S3-24 Surface and Groundwater Response Plan	The Surface and Groundwater Response Plan must describe the measures and/or procedures that would be implemented to: (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 (b) mitigate and/or offset any adverse impacts on groundwater dependent ecosystems or riparian vegetation.	Surface Water and Ground Water Monitoring Response Plan (Appendix F, EMS) AEMR Appendix H Surface Water Monitoring (2016-2019) NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Soil Management Plan (22/05/2018).	The SWGMRP incorporates the requirements of this Condition as outlined in the last independent audit. Implementation Implementation of the SWGMRP has not been required. The surface water monitoring program has been implemented from 2013. The groundwater monitoring has also been implemented. Results from both types of monitoring are provided in the Appendices of the AEMRs (2016-2019). Updates to these plans were formally approved by DPIE in 2018.	No recommendations	Compliant
Rehabilitation and Landscape Management					
S3-25 Biodiversity Offset Strategy	The Proponent must: (a) review its proposed Biodiversity Offset Strategy (see Table 8), in consultation with OEH and the Secretary, to seek to identify a replacement for the proposed Southern Biodiversity Offset Area that: • is located in the vicinity; • is not affected by identified future public infrastructure proposals; and • has equivalent (or better) biodiversity values; (b) implement the Biodiversity Offset Strategy (as amended under (a) above, if applicable); (c) ensure that adequate resources are dedicated towards the implementation of the strategy; (d) provide appropriate long term security for the offset areas; and 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 Secretary, to the satisfaction of the Secretary.	Landscape and Biodiversity Management Plan (Appendix H, EMS) NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Review of Management Plans (10/04/2018).	An area south-west of the quarry is the new biodiversity offset area. Payment was transferred from SCCR in order to lease the portion of land, although no evidence was produced during the audit site inspection. OEH indicated that they have no record of receiving or being consulted about the replacement for the proposed Southern Biodiversity Offset Area after project approval, however City Plan received email correspondence from DECCW on 23/04/2010 stating "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...." City Plan advised during the previous audit 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. Updates to the Landscape and Biodiversity Management Plan were approved by DPIE as shown in the evidence provided.	No recommendation	Compliant
S3-26 Landscape and Biodiversity Management Plan	The Proponent must prepare a Landscape and Biodiversity Management Plan for the project to the satisfaction of the Secretary. This plan must: (a) be prepared by suitably qualified person(s), approved by the Secretary; (b) be submitted to the Secretary for approval prior to the 30 June 2010; and (c) include a: • Rehabilitation and Biodiversity Offset Strategy Management Plan; and • Long Term Management Strategy. The Proponent must implement the Landscape and Biodiversity Management Plan as approved by the Secretary. <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>	AEMR Appendix B EMS (2016-2019) Landscape and Biodiversity Management Plan (Appendix H, EMS) NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Review of Management Plans (10/04/2018). AEMR site reference photos (2016-2019) Weed Management Invoices: Proust Land Services 15/03/2019 (scr191), 30/08/2018 (scr03) Site audit inspection 6 November 2019	Preparation of the Landscape and Biodiversity Management Plan as outlined in the previous independent audit. Formal approval for the LBMP was received in 2018 from the Department of Planning and Environment. Implementation Evidence of weed spraying was observed onsite. A record of weed spraying, seed collection and distribution across the site has been kept by SCCR and Personnel from SCCR are usually given this responsibility.	No recommendation	Compliant
S3-27 Landscape and Biodiversity Management Plan	The Rehabilitation and Biodiversity Offset Strategy Management Plan must include: (a) the rehabilitation objectives for the site and offset areas; (b) a description of the measures that would be implemented to: • rehabilitate and stabilise the site; • minimise the removal of mature trees; • implement the Biodiversity Offset Strategy; and • manage the remnant vegetation and habitat on the site and in the offset areas; (c) detailed performance and completion criteria for the rehabilitation and stabilisation of the site; (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; (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: • progressively rehabilitating and stabilising areas disturbed by quarrying; • implementing revegetation and regeneration within the disturbance areas; • protecting areas outside the disturbance areas, including the Biodiversity Offset Strategy areas; • vegetation clearing protocols, including a protocol for clearing any trees containing hollows and the relocation of hollows from felled trees; • managing impacts on fauna, in particular threatened species; • controlling weeds and pests; • controlling access; • bushfire management; and • reducing the visual impacts of the project; (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 (g) details of who is responsible for monitoring, reviewing, and implementing the plan.	AEMR Appendix B EMS (2016-2019) Landscape and Biodiversity Management Plan (Appendix H, EMS)	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. No large scale rehabilitation taking place yet	No recommendations	Compliant

S3-28 Landscape and Biodiversity Management Plan	The Long Term Management Strategy must: (a) define the objectives and criteria for quarry closure and post-extraction management; (b) be prepared in consultation with DoI Water, DRG and Council; (c) investigate and/or describe options for the future use of the site; (d) describe the measures that would be implemented to minimise or manage the ongoing environmental effects of the project; and (e) describe how the performance of these measures would be monitored over time.	N/A	No project activities have reached a stage which requires this condition therefore a Long Term Management Strategy has not been prepared. Refer also to Schedule 3.26 in Table C1 (this table) above.	No recommendations	Not-triggered
S3-29 Rehabilitation	Backfilling of the quarry void and water storage facility is restricted to the use of materials which are VENM or ENM, to the satisfaction of the Secretary. 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 Secretary. <i>Note: the conceptual final landform is shown in Appendix 4.</i>	Soil classification analytical certificates	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.	No recommendations	Compliant
Heritage					
S3-30 Aboriginal Cultural Heritage Management Plan	The Proponent must prepare and implement an Aboriginal Cultural Heritage Management Plan to the satisfaction of the Secretary. This plan must: (a) be prepared in consultation with OEH and Registered Aboriginal Parties; (b) be submitted to the Secretary for approval prior to 30 June 2010; and (c) include a description of the measures that would be implemented to: (i) manage the discovery of previously unidentified Aboriginal objects or Aboriginal places on the site; and (ii) facilitate ongoing consultation with and involvement of Registered Aboriginal Parties in the conservation and management of Aboriginal cultural heritage on the site. The Proponent must implement the Aboriginal Cultural Heritage Management Plan as approved by the Secretary.	Aboriginal Heritage Management Plan (Appendix J, EMS) NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Approval of Aboriginal Cultural Heritage Management Plan (7/12/2018).	An Aboriginal Cultural Heritage Management Plan has been prepared. The plan has been incorporated into the EMS. Updates to the Aboriginal Cultural Heritage Management Plan were approved by DPIE in 2018. Implementation No vegetation removal or soil stripping operations have occurred within the area marked as "area to be monitored" (refer to figure in EMS Appendix L). Therefore no additional Aboriginal heritage monitoring has occurred on site.	No recommendations	Compliant
S3-30a Aboriginal Cultural Heritage Management Plan	If human remains are discovered on the site, then all work in the area surrounding the discovery must cease, and the area must be secured. The Proponent must immediately notify NSW Police Force and OEH, and work must not recommence in the area until authorised by NSW Police Force and OEH.	N/A	No human remains have been discovered on the site	No recommendations	Not-triggered
S3-30b Aboriginal Cultural Heritage Management Plan	If any potential Aboriginal object or Aboriginal place is identified on the site, or suspected to be on the site: (a) all work in the immediate vicinity of the object or place must cease immediately; (b) a 10 m buffer area around the object or place must be cordoned off; and (c) OEH must be contacted immediately.	N/A	No Aboriginal objects or places have been identified on site	No recommendations	Not-triggered
S3-30c Aboriginal Cultural Heritage Management Plan	Work in the immediate vicinity of a potential Aboriginal object or Aboriginal place may only recommence if: (a) the object or place is confirmed by OEH upon consultation with the Registered Aboriginal Parties not to be an Aboriginal object or Aboriginal Place; (b) the Aboriginal Cultural Heritage Management Plan is revised to include the object or place and appropriate measures in respect of it; or (c) the Secretary is satisfied with the measures to be implemented in respect of the object or place and makes a written direction in that regard.	N/A	No Aboriginal objects or places have been identified on site	No recommendations	Not-triggered
Visual					
S3-31	The Proponent must minimise the visual impacts of the project to the satisfaction of the Secretary.	Email Correspondence from the Shoalhaven City Council (2019) Site audit inspection 6 November 2019	The visual impacts of the project are reduced by the presence of the earth bunds around the perimeter of the site. Large tree growth has occurred on the bund in many locations however large areas have reduced undergrowth and areas of poor growth. As the operation moves south trees have been removed and the bunding height is lower than the northern sections of the boundary. Active weed management had been undertaken, but had left some areas stripped of vegetation. Shoalhaven City Council indicated in pre audit correspondence dated 23 October 2019: There has also been a noticeable depletion of significant trees and vegetation along the highway frontage of the quarry. Since the installation of a high soil mound along the eastern boundary which was piled up around the trunks of large trees, some up to a depth of several metres, many of the trees have since died and now there is little vegetated buffer to soften the amenity of this significant length of highway frontage. Currently large stockpiles of soil are clearly visible at the southern end of the quarry.	Improvement Opportunity (IO-2) : Undertake a targeted revegetation strategy, to build on the vegetation currently on the bund. The timing of any planting strategy should take into consideration seasonal temperature and rainfall fluctuations.	Compliant
Waste Management					

S3-31a	Except as expressly permitted in an EPL and/or the conditions of this approval, the Proponent must not receive waste on the site for storage, treatment, processing, reprocessing or disposal. <i>Note: Under the POEO Act, the Proponent is required to obtain an EPL variation to permit the importation of ENM for blending purposes.</i>	Material acceptance and rejection spreadsheet	The site does not accept waste materials outside of those permitted in its EPL and Project Approval. Non-compliant loads are rejected and recorded.	No recommendation	Compliant
S3-31b	The Proponent must: (a) maintain accurate records of all imported materials received at the site (including the type, source, date, time and quantity received and details of the transport contractor); and (b) include a copy of this data in the Annual Review.	Material acceptance and rejection spreadsheet Receipt of Annual Return to EPA and Annual Return Summary	Accurate records are maintained on site and recorded in the EPL annual returns as well as the AEMR for 2016 to 2019. Evidence observed of material that had been rejected upon checking of the load, and the non-compliant load removed from site by the original vehicle.	No recommendation	Compliant
S3-32	The Proponent must minimise the amount of waste generated by the project to the satisfaction of the Secretary.	Site audit inspection 6 November 2019	The quarry imports construction, concrete and waste bitumen material for crushing and recycling. Concrete stockpiles waiting for recycling were evident on site. The site generates scrap steel and general rubbish, with the steel scrap clearly visible within bins. General waste is disposed to landfill. Sewage is taken off-site.	No recommendation	Compliant

Traffic and Transport

S3-33	The Proponent must make a monetary contribution of \$174,000 to the RMS for the construction of the following elements of the proposed Princes Highway upgrade between Central Avenue and Warra Warra Road: • the central median for a length of 60m; and • a left turn deceleration lane on the southbound approach to the quarry access road.	N/A	This has been addressed in the 2016 audit.	Condition to be marked as to be closed	Compliant
S3-34	The Proponent must pay the monetary contribution required by condition 33 according to the following schedule: (a) \$54,000 paid prior to 30 June 2010; and (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.	N/A	This has been addressed in the 2016 audit.	Condition to be marked as to be closed	Compliant
S3-35	The Proponent must upgrade the access to the development and land must 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.	N/A	This has been addressed in the 2016 audit.	Condition to be marked as to be closed	Compliant
S3-36 Road Haulage	The Proponent must ensure that: (a) all loaded vehicles entering or leaving the site are covered; (b) all loaded vehicles leaving the site are cleaned of materials that may fall on the road, before they leave the site; and (c) a truck wheel wash facility is constructed on the site prior to 30 June 2010, to the satisfaction of the Secretary.	Letter from EPA to Arup regarding complaints about mud tracking from site. SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR Appendix K (2018-2019). AEMR (2016-2019) Site audit inspection 6 November 2019	Five complaints regarding mud and dust tracking onto the Princes Highway were received by EPA. One was received in September 2016 and the remainder in April, July, and September (2) 2017. No dust tracking complaints were received since September 2017. During the site visit, a street sweeper was present on site which is used to clean the Princes Highway road surface of dust tracking. During the audit site inspection, trucks were observed to be clean of materials and covered when leaving the site. No dirt tracking was evident on the road surface of the Princes Highway leading from the SCCCR entry/exit. Two truck wheel wash were under operation during the audit site inspection.	No recommendations	Compliant

Emergency and Hazard Management

S3-37 Dangerous Goods	The Proponent must ensure that the storage, handling, and transport of fuels and dangerous goods are conducted in accordance with the relevant Australian Standards, particularly AS1940 and AS1596, and the Dangerous Goods Code.	Site audit inspection 6 November 2019	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 (refer to Photo 17). 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 Australian Standards (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. A MSDS register is maintained on site within the site office. No oily residue was observed on the ground.	No recommendations	Compliant
S3-38 Safety	The Proponent must secure the project to ensure public safety to the satisfaction of the Secretary.	Site audit inspection 6 November 2019	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.	No recommendations	Compliant
S3-39 Bushfire Management	The Proponent must: (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 to the extent practicable if there is a fire in the vicinity of the site.	Site audit inspection 6 November 2019 Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	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 fire extinguishers are serviced by a fire safety specialist.	No recommendations	Compliant

Production Data

S3-40	The Proponent must: (a) provide calendar year annual quarry production data to DRG using the standard form for that purpose; and (b) include a copy of this data in the Annual Review.	AEMR (2016-2019) Section 2.9 Hazardous Material Management SCCCR royalty spreadsheet 2018/2019	SCCCR advised that the production data forms were submitted to the DRE and they are in regular communication, including dual site inspections. A summary table of production and waste summary has been included within AEMR (2016-2019). Royalty sheet was provided during the site investigation.	No recommendations	Compliant
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Schedule 4 Additional Procedures

Notification of Landowners

S4-1	As soon as practicable, and no longer than 7 days, after obtaining monitoring results showing: (a) an exceedance of any criteria in Schedule 3, the Proponent must notify the affected landowners in writing of the exceedance, and provide regular monitoring results, at least every 3 months, to each affected landowner until the project is again complying with the relevant criteria; and (b) an exceedance of any air quality criteria in Schedule 3, the Proponent must send a copy of the NSW Health fact sheet entitled "Mine Dust and You" (as may be updated from time to time) to the affected landowners and current tenants of the land (including the tenants of land which is not privately-owned).	N/A	There was no documented evidence of the provision of monitoring results and or correspondence with landowners following exceedances. There was no evidence of provision of the Mine Dust and You fact sheet following exceedances or dust complaints. It is noted that dust in particular was observed leaving the site boundary during the site inspection, but due to the location of the air quality monitoring stations an exceedance of criteria levels may not be recorded.	Corrective Action (CA-4) Notify landowners following exceedances and provide the required fact sheet https://www.health.nsw.gov.au/environment/factsheets/pages/mine-dust.aspx	Non-compliant
traffic and Transport					
S4-2	If a landowner considers the project to be exceeding the relevant criteria in Schedule 3, they may ask the Secretary in writing for an independent review of the impacts of the project on their land. If the Secretary is not satisfied that an independent review is warranted, the Secretary will notify the landowner in writing of that decision, and the reasons for that decision, within 21 days of the request for a review. If the Secretary is satisfied that an independent review is warranted, within 3 months, or as otherwise agreed by the Secretary and the landowner, of the Secretary's decision, the Proponent must: (a) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Secretary, to: • consult with the landowner to determine his/her concerns; • conduct monitoring to determine whether the project is complying with the relevant criteria in Schedule 3; and • if the project is not complying with these criteria, then identify measures that could be implemented to ensure compliance with the relevant criteria; (b) give the Secretary and landowner a copy of the independent review; and (c) comply with any written requests made by the Secretary to implement any findings of the review.	N/A	This condition has not been triggered.	N/A	Not-triggered
Schedule 5 Environmental Management, Reporting and Auditing					
Environment Management					
S5-1 Environmental Management Strategy	The Proponent must prepare an Environmental Management Strategy for the project to the satisfaction of the Secretary. This strategy must: (a) be submitted to the Secretary for approval within 6 months of the determination of Modification 2, unless otherwise agreed by the Secretary; (b) provide the strategic framework for environmental management of the project; (c) identify the statutory approvals that apply to the project; (d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project; (e) describe the procedures to be implemented to: • keep the local community and relevant agencies informed about the operation and environmental performance of the project; • receive, record, handle and respond to complaints; • resolve any disputes that may arise during the course of the project; • respond to any non-compliance; and • respond to emergencies; and (f) include: • references to any strategies, plans and programs approved under the conditions of this approval; and • a clear plan depicting all the monitoring to be carried out under the conditions of this approval. The Proponent must implement any Environmental Management Strategy as approved by the Secretary.	AEMR Appendix B EMS (2016-2019) Site audit inspection 6 November 2019	The EMS reviewed during the previous independent audit is still in effect and has been prepared according to all requirements. Implementation 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 3.1). Noise monitoring has only occurred in 2018 (refer to condition 3.2). SCCCR received complaints associated with mud tracking and dust and this was also identified in the pre-audit correspondence with Arup by regulatory authorities. Ongoing correspondence to address the complaints was observed. During the audit it was noted that two wheel washes were in operation.	No recommendations	Compliant
S5-2 Evidence of Consultation	Where the conditions of this approval require consultation with an identified party, the Proponent must: (a) consult with the relevant party prior to submitting the subject document to the Secretary for approval; and (b) provide details of the consultation undertaken, including: • a description of how matters raised by those consulted have been resolved; and • details of any disagreement remaining between the party consulted and the Proponent and how the Proponent has addressed any unresolved matters. However, if the Secretary agrees, a strategy, plan or program may be prepared without consultation being undertaken with an identified party required under a condition of this approval.	AEMR (2016-2019)	No additional consultation was required during this reporting period, though it is noted that ongoing consultation with regulatory authorities such as NSW EPA and the Department has occurred.	No recommendations	Compliant

S5-3 Management Plan Requirements	<p>The Proponent must ensure that the management plans required under this approval are prepared in accordance with any relevant guidelines, and include:</p> <p>(a) a summary of relevant background or baseline data;</p> <p>(b) a description of:</p> <ul style="list-style-type: none"> the relevant statutory requirements (including any relevant approval, licence or lease conditions); any relevant limits or performance measures/criteria; and the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measures; <p>(c) a description of the measures to be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria;</p> <p>(d) a program to monitor and report on the:</p> <ul style="list-style-type: none"> impacts and environmental performance of the development; and effectiveness of any management measures (see (c) above); <p>(e) a contingency plan to manage any unpredicted impacts and their consequences and to ensure that ongoing impacts reduce to levels below relevant impact assessment criteria as quickly as possible;</p> <p>(f) a program to investigate and implement ways to improve the environmental performance of the project over time;</p> <p>(g) a protocol for managing and reporting any:</p> <ul style="list-style-type: none"> incidents; complaints; and non-compliances with statutory requirements; <p>NSW Government 17 Department of Planning and Environment</p> <p>(h) a protocol for periodic review of the plan; and</p> <p>(i) a document control table that includes version numbers, dates when the management plan was prepared and reviewed, names and positions of the person/s who prepared and reviewed the management plan, a description of any revisions made and the date of the Secretary's approval.</p> <p><i>Note: The Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.</i></p>	<p>Noise Monitoring reports in AEMR (2016-2019) Appendix D</p> <p>SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR Appendix K (2018-2019).</p>	<p>All management plans required under this condition have been developed and approved.</p> <p>Five incident reports have been submitted to the EPA in regard to dust and tracking incidents at the SCCCR site. These incidents were addressed by SCCCR according to the conditions in this schedule with the exception of only reporting to the EPA. A written report was made in the form of emails.</p> <p>A record of these emails, including complaints, are found in Appendix J (2016-2017) and AEMR Appendix K (2018-2019).</p> <p>During the site audit and inspection it was noted that the review and update of documents is not conducted, nor a review of their effectiveness.</p>	<p>Corrective Action (CA-5) Undertake a review and update of all management plans, to represent the current operations of the site. During the review assess the effectiveness of all controls and monitoring requirements. Where required consult with appropriate departments or agencies. Upon completion of the review submit to the secretary and other regulatory authorities as required.</p>	Non-compliant
S5-4 Application of Existing Strategies, Plans and Programs	<p>The Proponent must continue to apply existing management plans, strategies or monitoring programs approved prior to the approval of Modification 2, until the approval of a similar plan, strategy or program following the approval of Modification 2.</p>	<p>AEMR (2016-2019)</p> <p>MOP 2015-2021</p>	<p>An Annual Environmental Management Report has been submitted for 2016, 2017, 2018, and 2019.</p> <p>Information on future development until 2021 are provided in the Mining Operations Plan (MOP) from 2015-2021.</p>	No recommendations	Compliant
S5-5 Revision of Strategies, Plans & Programs	<p>Within 3 months of:</p> <p>(a) the submission of an incident report under condition 10 below;</p> <p>(b) the submission of an Annual Review under condition 12 below;</p> <p>(c) the submission of an Independent Environmental Audit report under condition 14 below; and</p> <p>(d) the approval any modifications to this approval,</p> <p>the Proponent must review the suitability of all strategies, plans and programs required under this approval. Where this review leads to revisions in any such document, then within 6 weeks of the review the revised document must be submitted for the approval of the Secretary.</p> <p>Notes:</p> <ul style="list-style-type: none"> The purpose of this condition is to ensure that strategies, plans and programs are regularly updated to incorporate any measures recommended to improve environmental performance of the project. In the event of an inconsistency between condition 5(d) above and any condition in Schedule 3 of this approval, the latter prevails. 	<p>NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Approval of Aboriginal Cultural Heritage Management Plan (7/12/2018).</p> <p>NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Approval of Blast Management Plan and Environmental Management Strategy (11/05/2018).</p> <p>NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Review of Management Plans (10/04/2018).</p> <p>NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Soil Management Plan (22/05/2018).</p>	<p>This independent environmental audit is being undertaken as per this Condition. Plans were updated and approved by DPIE. However, these did not all occur within 3 months of approval of the second modification to the project approval</p> <p>There was no demonstrated review and update of any of the plans, strategies or programs as indicated in this condition.</p> <p>There was no demonstrated review and update of management plans after incidents, annual reports submissions or the previous audit.</p>	<p>Corrective Action (CA-5): Undertake a review and update of all strategies, plans and programs to represent the current operations of the site. During the review assess the effectiveness of all controls and monitoring requirements. Where required consult with appropriate departments. Upon completion submit to the Secretary for approval.</p>	Non-compliant

S5-6 Ground Vibration Impact Assessment Criteria	With the approval of the Secretary, the Proponent may: (a) prepare and submit any strategy, plan or program required by this approval on a staged basis (if a clear description is provided as to the specific stage and scope of the project to which the strategy, plan or program applies, the relationship of the stage to any future stages and the trigger for updating the strategy, plan or program); (b) combine any strategy, plan or program required by this approval (if a clear relationship is demonstrated between the strategies, plans or programs that are proposed to be combined); and (c) update any strategy, plan or program required by this approval (to ensure the strategies, plans and programs required under this approval are updated on a regular basis and incorporate additional measures or amendments to improve the environmental performance of the project).	07_0123 Independent Environmental Audit 2016 NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Approval of Aboriginal Cultural Heritage Management Plan (7/12/2018). NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Approval of Blast Management Plan and Environmental Management Strategy (11/05/2018). NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Review of Management Plans (10/04/2018). NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Soil Management Plan (22/05/2018).	SCCCR sent a letter on the 17th September 2013 containing the Independent Environmental Audit Report in 2016. SCCCR Quarries have provided evidence of the approval from DPIE for updated versions of the following plans in 2018: > Aboriginal Cultural Heritage Management Plan > Blast Management Plan > Environmental Management Strategy > Noise Management program > Air Quality Monitoring Program > Erosion and Sediment Control Plan > Surface and Groundwater Response Plan > Groundwater Monitoring Program > Surface Water Monitoring Program	No recommendations	Compliant
S5-7 Adaptive Management	The Proponent must assess and manage project-related risks to ensure that there are no exceedances of the criteria and/or performance measures in Schedule 3. Any exceedance of these criteria and/or performance measures constitutes a breach of this approval and may be subject to penalty or offence provisions under the EP&A Act or EP&A Regulation. Where any exceedance of these criteria and/or performance measures has occurred, the Proponent must as soon as becoming aware of any exceedance: (a) take all reasonable and feasible steps to ensure that the exceedance ceases and does not reoccur; (b) consider all reasonable and feasible options for remediation (where relevant); (c) within 14 days of the exceedance occurring, submit a report to the Secretary describing these remediation options and any preferred remediation measures or other course of action; and (d) implement remediation measures as directed by the Secretary; to the satisfaction of the Secretary.	07_0123 Independent Environmental Audit 2016 AEMR (2016-2019) NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Approval of Aboriginal Cultural Heritage Management Plan (7/12/2018). NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Approval of Blast Management Plan and Environmental Management Strategy (11/05/2018). NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Review of Management Plans (10/04/2018). NSW DPIE letter: Nowra Brickworks Quarry (MP 07_0123) Soil Management Plan (22/05/2018).	SCCCR has detailed in the AEMR reports any deficiencies and non conformances and demonstrated correspondence with regulators on non conformances relating to the investigation of complaints. SCCCR however could not demonstrate that outside of the AEMR, separate reports had been provided to the Secretary after exceedances or incidents.	Corrective Action (CA-5): Undertake a review and update of all strategies, plans and programs to represent the current operations of the site. During the review assess the effectiveness of all controls and monitoring requirements. Where required consult with appropriate departments. Upon completion submit to the Secretary for approval.	Non Compliance
Community Consultative Committee					
S5-8	If directed by the Secretary, the Proponent must establish and operate a Community Consultative Committee (CCC) for the project to the satisfaction of the Secretary. Any such CCC must be operated in general accordance with the Department's Community Consultative Committee Guidelines, November 2016 (or later version). <i>Notes:</i> • The CCC is an advisory committee. The Department and other relevant agencies are responsible for ensuring that the Proponent complies with this approval. • In accordance with the guidelines, the Committee should comprise an independent chair and appropriate representation from the Proponent, Council and the local community. • The Proponent may, with the approval of the Secretary, combine the function of this CCC with the functions of other CCCs in the area.	Company website (http://www.scccrquarries.com.au/)	No Community Consultative Committee 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. SCCCR advised that it undertook an advertisement in the local newspaper and a letter box drop was also conducted to surrounding landowners, as required. Currently there is a link on the SCCCR Quarries website for expression of interest to join the Community Consultative Committee however no one has yet to take up the offer according to the SCCR Quarries Site Manager. No specific direction from the Secretary has occurred during this reporting period.	No recommendation	Compliant
Reporting					
S5-9 Incident Reporting	The Proponent must immediately notify the Secretary (using the contact name, email address and phone number provided by the Department from time to time) and any other relevant agencies of any incident.		It could not be demonstrated that the Department is notified at the time of an incident or complaint. Correspondence with the NSW EPA could be demonstrated. Incidents and complaints were detailed in the 2016-2019 AEMR which are provided to the Department and provided on the SCCCR website. For the purpose of the audit we have defined complaints that have been initiated by the community and sent to the NSW EPA as an incident.	Corrective Action (CA-6) When investigating complaints from the NSW EPA that the Department is informed of the incident and investigation outcomes within the stipulated timeframes	Non-compliant
S5-10 Incident Reporting	Within 7 days of the date of the incident, the Proponent must provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested. This report must include the time and date of the incident, details of the incident, measures implemented to prevent re-occurrence and must identify any non-compliance with this approval.		It could not be demonstrated that the Department is notified at the time of an incident or complaint. Correspondence with the NSW EPA could be demonstrated. Incidents and complaints were detailed in the 2016-2019 AEMR which are provided to the Department and provided on the SCCCR website. For the purpose of the audit we have defined complaints that have been initiated by the community and sent to the	Corrective Action (CA-6) When investigating complaints from the NSW EPA that the Department is informed of the incident and investigation outcomes within the stipulated timeframes	Non-compliant
S5-11 Regular Reporting	The Proponent must provide regular reporting on the environmental performance of the project on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this approval.	Company website (http://www.scccrquarries.com.au/)	A copy of the 2016-2019 AEMR is provided on the website.	No recommendations	Compliant

S5-12 Annual Review	<p>By the end of March each year, or other timing as may be agreed by the Secretary, the Proponent must submit a review to the Department reviewing the environmental performance of the project to the satisfaction of the Secretary. This review must:</p> <p>(a) describe the project (including any progressive rehabilitation) that was carried out in the previous calendar year, and the project that is proposed to be carried out over the current calendar year;</p> <p>(b) include a comprehensive review of the monitoring results and complaints records of the project over the previous calendar year, which includes a comparison of these results against the:</p> <ul style="list-style-type: none"> • relevant statutory requirements, limits or performance measures/criteria; • requirements of any plan or program required under this approval; • monitoring results of previous years; and • relevant predictions in the documents listed in condition 2 of Schedule 2; <p>(c) evaluate and report on:</p> <ul style="list-style-type: none"> • the effectiveness of the air quality and noise management systems; and • compliance with the performance measures, criteria and operating conditions in this approval. <p>(d) identify any non-compliance over the past calendar year, and describe what actions were (or are being) taken to ensure compliance;</p> <p>(e) identify any trends in the monitoring data over the life of the project;</p> <p>(f) identify any discrepancies between the predicted and actual impacts of the project, and analyse the potential cause of any significant discrepancies; and</p> <p>(g) describe what measures will be implemented over the current calendar year to improve the environmental performance of the project.</p> <p>The Proponent must ensure that copies of the Annual Review are submitted to Council and are available to the Community Consultative Committee (see condition 8 of Schedule 5) and any interested person upon request.</p>	AEMR 2016-2019	<p>A copy of the 2016-2019 AEMR is provided on the website.</p> <p>SCCCR has been working with the Department and NSW EPA to align reporting timeframes.</p>	No recommendations	Compliant
Independent Environmental Audit					
S5-13	<p>Within 3 years of the date of this approval, and every 3 years thereafter, unless the Secretary directs otherwise, the Proponent must commission, commence and pay the full cost of an Independent Environmental Audit of the project. This audit must:</p> <p>(a) be led and conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;</p> <p>(b) include consultation with the relevant agencies and the CCC;</p> <p>(c) assess the environmental performance of the project and whether it is complying with the relevant requirements in this approval and any relevant EPL or necessary water licences for the project (including any assessment, strategy, plan or program required under these approvals);</p> <p>(d) review the adequacy of strategies, plans or programs required under the abovementioned approvals;</p> <p>(e) recommend appropriate measures or actions to improve the environmental performance of the project, and/or any assessment, strategy, plan or program required under the abovementioned approvals; and</p> <p>(f) be conducted and reported to the satisfaction of the Secretary.</p>	N/A	<p>This independent environmental audit is being undertaken as per this Condition.</p> <p>SCCCR has been working with the Department and NSW EPA to align reporting timeframes and that has resulted in a varied timeframe for the audit.</p>	No recommendations	Compliant
S5-14	<p>Within 12 weeks of commencing this audit, or as otherwise agreed by the Secretary, the Proponent must submit a copy of the audit report to the Secretary and any other NSW agency that requests it, together with its response to any recommendations contained in the audit report, and a timetable for the implementation of these recommendations as required. The Proponent must implement these recommendations, to the satisfaction of the Secretary.</p>	N/A	<p>This will be completed at the conclusion of this environmental audit as per this Condition.</p> <p>It is noted that following the site visit and closing meeting, SCCCR has worked to implement improved dust management and mitigation strategies.</p>	No recommendations	Compliant
Access to Information					
S5-15	<p>Within 3 months of the determination of Modification 2, until the completion of all works, including rehabilitation and remediation, the Proponent must:</p> <p>(a) make the following information publicly available on its website:</p> <ul style="list-style-type: none"> • the documents listed in condition 2 of Schedule 2; • current statutory approvals for the project; • all approved strategies, plans and programs required under the conditions of this approval; • regular reporting on the environmental performance of the development in accordance with the reporting arrangements in any plans or programs approved under the conditions of this approval; • a comprehensive summary of the monitoring results of the project, reported in accordance with the specifications in any conditions of this approval, or any approved plans and programs; • summary of the current stage and progress of the project; • contact details to enquire about the project or to make a complaint; • a complaints register, updated at least monthly; • the Annual Reviews of the project; • any Independent Environmental Audit as described in condition 13 above, and the Proponent's response to the recommendations in any audit; and • any other matter required by the Secretary; and <p>(b) keep this information up-to-date, to the satisfaction of the Secretary.</p>	AEMR 2018	A copy of the 2018 AEMR is provided on the website.	No recommendations	Compliant
Schedule 6 Noise Compliance Assessment					

S6-1 Applicable Meteorological Conditions	The noise criteria in Table 2 are to apply under all meteorological conditions except the following: (a) wind speeds greater than 3 m/s at 10 m above ground level; or (b) temperature inversion conditions between 1.5°C and 3°C/100 m and wind speed greater than 2 m/s at 10 m above ground level; or (c) temperature inversion conditions greater than 3°C/100 m.	N/A	Noted	No recommendations	Compliant
S6-2 Determination of Meteorological Conditions	Except for wind speed at microphone height, the data to be used for determining meteorological conditions must be that recorded by the meteorological station required under condition 16A of Schedule 3.	N/A	Meteorological station in operation at the site.	No recommendations	Compliant
S6-3	A noise compliance assessment must be undertaken within six months of the approval of Modification 2. The assessment must be conducted by a suitably qualified and experienced acoustical practitioner and must assess compliance with the noise criteria in Table 2. A report must be provided to the Secretary and EPA within 1 month of the assessment.	Nowra Quarry , Noise Monitoring, South Nowra Quarry Extension, August 2019, SLR AEMR 2016-2019	Mod 2 is dated June 2018. A specific noise assessment to meet this condition was not conducted as required. The monitoring was conducted in August 2019, outside of the reporting period.	Corrective Action (CA-7) The noise assessment was not completed within the nominated timeframe. Noise Monitoring Report to be provided to the Department and NSW EPA.	Non-compliant
S6-4	Unless the Secretary agrees otherwise, this monitoring is to be carried out in accordance with the relevant requirements for reviewing performance set out in the NSW Industrial Noise Policy (as amended from time to time), in particular the requirements relating to: (a) monitoring locations for the collection of representative noise data; (b) equipment used to collect noise data, and conformity with Australian Standards relevant to such equipment; (c) modifications to noise data collected, including for the exclusion of extraneous noise and/or penalties for modifying factors apart from adjustments for duration; and (d) the use of an appropriate modifying factor for low frequency noise to be applied during compliance testing at any individual residence if low frequency noise is present (in accordance with the NSW Industrial Noise Policy) and before comparison with the specified noise levels in the approval.	Nowra Quarry , Noise Monitoring, South Nowra Quarry Extension, August 2019, SLR	No separate agreement has been sought for monitoring outside of those listed in this condition. It is noted that noise monitoring was not conducted when required but when it was it complied with these requirements.	No recommendations	Compliant

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SCCCR 2019 Compliance Audit																																	
Approval (ID)	Requirement	Evidence Collected	Audit Findings	Audit Recommendations	Compliance Status																												
1. Administrative Conditions																																	
A1 What the licence authorises and regulates																																	
A1.1	<p>This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation. Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.</p> <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>> 100000 - 500000 T annual processing capacity</td></tr><tr><td>Extractive activities</td><td>Land-based extractive activity</td><td>> 100000 - 500000 T annual capacity to extract, process or store</td></tr><tr><td>Resource recovery</td><td>Recovery of general waste</td><td>Any general waste recovered</td></tr></table>	Scheduled Activity	Fee Based Activity	Scale	Crushing, grinding or separating	Crushing, grinding or separating	> 100000 - 500000 T annual processing capacity	Extractive activities	Land-based extractive activity	> 100000 - 500000 T annual capacity to extract, process or store	Resource recovery	Recovery of general waste	Any general waste recovered	<p>Weighbridge calibration forms</p> <p>AEMR (2016-2019) Table 2 Production and Waste Summary</p> <p>SCCCR royalty spreadsheet 2018/2019</p>	<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. Refer to Schedule 2.8 in Table C1 (Compliance with DA07_0123) for further details regarding limits of approval.</p> <p>A summary table of Production and Waste material is provided in the 2016, 2017, 2018, and 2019 AEMR.</p> <p>Royalty sheet was provided after the site investigation for the 2018-2019 reporting period. This includes extracting 338,150 tonnes of clay/shale, structural clay & associated materials, importation of 23,997 tonnes of recycling material, import of 47,521 tonnes of blending materials, and despatch of 410,933 of quarry products. All these tonnages are below the limits outlined in the Project Approval.</p> <p>An example of a WARRP report to the EPA was provided as well as evidence of the receipt of SCCCR Quarries Annual Return to the EPA.</p>	No recommendations	Compliant																
Scheduled Activity	Fee Based Activity	Scale																															
Crushing, grinding or separating	Crushing, grinding or separating	> 100000 - 500000 T annual processing capacity																															
Extractive activities	Land-based extractive activity	> 100000 - 500000 T annual capacity to extract, process or store																															
Resource recovery	Recovery of general waste	Any general waste recovered																															
A2 Premises or plant to which this licence applies																																	
A2.1	<p>The licence applies to the following premises:</p> <table><tr><th>Premises Details</th></tr><tr><td>SOUTH COAST CONCRETE CRUSHING & RECYCLING</td></tr><tr><td>PRINCES HIGHWAY</td></tr><tr><td>NOWRA</td></tr><tr><td>NSW 2541</td></tr><tr><td>LOT 30 DP 1169494</td></tr><tr><td>THE PREMISES BOUNDARY IS DEFINED AS THE RED LINE IN THE MAP TITLED "EPA MONITORING LOCATIONS UPDATED FEB 2019" (DOC19/65974-1)</td></tr></table>	Premises Details	SOUTH COAST CONCRETE CRUSHING & RECYCLING	PRINCES HIGHWAY	NOWRA	NSW 2541	LOT 30 DP 1169494	THE PREMISES BOUNDARY IS DEFINED AS THE RED LINE IN THE MAP TITLED "EPA MONITORING LOCATIONS UPDATED FEB 2019" (DOC19/65974-1)	<p>EPL 11765</p> <p>Mod 2 Consolidated Approval (07_0123) dated June 2018</p>	The Premise details are consistent with the site and Consolidated Approval	N/A	Compliant																					
Premises Details																																	
SOUTH COAST CONCRETE CRUSHING & RECYCLING																																	
PRINCES HIGHWAY																																	
NOWRA																																	
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THE PREMISES BOUNDARY IS DEFINED AS THE RED LINE IN THE MAP TITLED "EPA MONITORING LOCATIONS UPDATED FEB 2019" (DOC19/65974-1)																																	
A3 Information supplied to the EPA																																	
A3.1	<p>Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.</p> <p>In this condition the reference to "the licence application" includes a reference to:</p> <p>a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and</p> <p>b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.</p>	N/A	Non compliances detailed within this table identify where works and activities have not been carried out in accordance with the Environmental Protection Licence.	Refer to specific Corrective Actions.	Non-compliant																												
2. Discharges to Air and Water and Applications to Land																																	
P1 Location of monitoring/discharge points and areas																																	
P1.1	<p>The following points referred to in the table 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.</p> <table><tr><th>EPA identification no.</th><th>Type of Monitoring Point</th><th>Type of Discharge Point</th><th>Location Description</th></tr><tr><td>1</td><td>Dust Deposition Monitoring</td><td></td><td>Dust Deposition Gauge labelled 'DDG1' on the map titled "Monitoring Locations" dated 25 February 2019 (EPA reference DOC19/65974-1).</td></tr><tr><td>2</td><td>Dust Deposition Monitoring</td><td></td><td>Dust Deposition Gauge labelled 'DDG 2' on the map titled "Monitoring Locations" dated 25 February 2019 (EPA reference DOC19/65974-1).</td></tr><tr><td>3</td><td>Dust Deposition Monitoring</td><td></td><td>Dust Deposition Gauge labelled 'DDG 3' on the map titled "Monitoring Locations" dated 25 February 2019 (EPA reference DOC19/65974-1).</td></tr><tr><td>4</td><td>Dust Deposition Monitoring</td><td></td><td>Dust Deposition Gauge labelled 'DDG 4' on the map titled "Monitoring Locations" dated 25 February 2019 (EPA reference DOC19/65974-1).</td></tr><tr><td>5</td><td>High Volume Air Sampler</td><td></td><td>High Volume Air Sampler labelled 'TSP and Pm10 North' on the map titled "Monitoring Locations" dated 25 February 2019 (EPA reference DOC19/65974-1).</td></tr><tr><td>6</td><td>High Volume Air Sampler</td><td></td><td>High Volume Air Sampler labelled 'TSP and Pm10 South' on the map titled "Monitoring Locations" dated 25 February 2019 (EPA reference DOC19/65974-1).</td></tr></table>	EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description	1	Dust Deposition Monitoring		Dust Deposition Gauge labelled 'DDG1' on the map titled "Monitoring Locations" dated 25 February 2019 (EPA reference DOC19/65974-1).	2	Dust Deposition Monitoring		Dust Deposition Gauge labelled 'DDG 2' on the map titled "Monitoring Locations" dated 25 February 2019 (EPA reference DOC19/65974-1).	3	Dust Deposition Monitoring		Dust Deposition Gauge labelled 'DDG 3' on the map titled "Monitoring Locations" dated 25 February 2019 (EPA reference DOC19/65974-1).	4	Dust Deposition Monitoring		Dust Deposition Gauge labelled 'DDG 4' on the map titled "Monitoring Locations" dated 25 February 2019 (EPA reference DOC19/65974-1).	5	High Volume Air Sampler		High Volume Air Sampler labelled 'TSP and Pm10 North' on the map titled "Monitoring Locations" dated 25 February 2019 (EPA reference DOC19/65974-1).	6	High Volume Air Sampler		High Volume Air Sampler labelled 'TSP and Pm10 South' on the map titled "Monitoring Locations" dated 25 February 2019 (EPA reference DOC19/65974-1).	<p>NSW EPA Annual Returns (2017, 2018, 2019)</p> <p>Air Quality Management Plan (Appendix I, EMS)</p>	<p>Dust monitoring was conducted as per this condition.</p> <p>Refer to Project Approval Condition 3.15 and 3.16 in Table C1 (Compliance with DA07_0123).</p> <p>Air monitoring locations and requirements are included in the Environmental Management Strategy (EMS) and Air Quality Management Plan and reporting in the Environmental Protection Licence Annual Returns</p>	No recommendations	Compliant
EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description																														
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3. Discharges to Air and Water and Applications to Land																																	
L1 Pollution of waters																																	
L1.1	Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.	N/A	Refer to Condition 3.17 in Table C1 (Compliance with DA07_0123) above. No evidence of pollution of waters was observed during the site audit, or documented through the audit period.	No recommendations	Compliant																												
L2 Waste																																	

L2.1	<p>The licensee must not cause, permit or allow any waste to be received at 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. Any waste received at the premises is subject to those limits or 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>	<p>AEMR Table 2 Production and Waste Summary, page 12.</p> <p>Site inspection 6th November 2019</p> <p>SCCCR royalty spreadsheet 2018/2019</p> <p>Waste and Resourcing Reporting Portal (WARRP) Reports to EPA (February, March, April, May, June 2019)</p> <p>Receipt of Annual Return to EPA and Annual Return Summary (2018/19)</p> <p>Weighbridge calibration forms</p>	<p>Waste and Resourcing Reporting Portal (WARRP) reports to the EPA indicated monthly monitoring and compliance as did the SCCCR Quarries Annual Returns to the EPA.</p> <p>A summary table of Production and Waste material is provided in the 2016, 2017, 2018, and 2019 AEMR indicate compliance.</p> <p>Royalty sheet was provided after the site investigation for the 2018-2019 reporting period. This includes extracting 338,150 tonnes of clay/shale, structural clay & associated materials, importation of 23,997 tonnes of recycling material, import of 47,521 tonnes of blending materials, and despatch of 410,933 of quarry products. All these tonnages are below the limits outlined in the Project Approval.</p> <p>Refer also to Conditions of Approval Schedule 2.8.</p>	No recommendations	Compliant																												
	<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>NA</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 5.1A 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	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 5.1A of the Protection of the Environment Operations (Waste) Regulation 2005	As specified in each particular resource recovery exemption	NA	
Code	Waste	Description	Activity	Other Limits																													
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NA	General or Specific exempted waste	Waste that meets all the conditions of a resource recovery exemption under Clause 5.1A 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>	<p>Waste and Resourcing Reporting Portal (WARRP) Reports to EPA (February, March, April, May, June 2019)</p> <p>AEMR (20916-2019) Table 2 Production and Waste Summary</p> <p>SCCCR royalty spreadsheet 2018/2019</p> <p>Site inspection 6th November 2018</p>	Refer to details above for Condition L2.1	No recommendations	Compliant																												
L3 Noise limits																																	
L3.1	<p>Noise generated at the premises must not exceed the noise impact assessment criteria in the table below.</p> <table><tr><th>Location and Locality</th><th>Day LAeq(5 min)</th><th>Evening LAeq(5 min)</th><th>Night LAeq(5 min)</th></tr><tr><td>81 Lins Road</td><td>59</td><td>55</td><td>55</td></tr><tr><td>371 Oak Southern Road</td><td>45</td><td>55</td><td>55</td></tr><tr><td>245 Princess Highway</td><td>49</td><td>59</td><td>59</td></tr><tr><td>South Coast Correctional Facility</td><td>51</td><td>57</td><td>57</td></tr></table> <p><i>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.</i></p>	Location and Locality	Day LAeq(5 min)	Evening LAeq(5 min)	Night LAeq(5 min)	81 Lins Road	59	55	55	371 Oak Southern Road	45	55	55	245 Princess Highway	49	59	59	South Coast Correctional Facility	51	57	57	<p>Noise Monitoring reports in AEMR (2018) Appendix D. Monitoring reports undertaken by SLR Consulting Australia Pty Ltd.</p> <p>AEMR (2016-2019), Section 3.2, page 17</p> <p>AEMR (2016-2019) Section 4.2 Complaints</p> <p>SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR Appendix K (2018-2019).</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 (2018) Appendix D. Noise monitoring:</p> <ul style="list-style-type: none">Noise monitoring was not undertaken in 2016 & 2017Noise monitoring was undertaken in January 2018 as part of updating their current noise management planNoise monitoring was not undertaken in 2019. <p>SLR consulting have been engaged by SCCCR Quarries to conduct quarterly noise monitoring from August 2019 onwards.</p> <p>The noise monitoring undertaken in accordance with the EMS noise monitoring program confirmed that noise from the site complied with the requirements of this clause. 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>	<p>Corrective Action (CA-2): Undertake periodic noise monitoring to verify ongoing compliance with noise criteria of the Environmental Protection Licence.</p> <p>It is noted that SLR consulting have been engaged by SCCCR Quarries to conduct quarterly noise monitoring from August 2019 onwards.</p>	Non-compliant								
Location and Locality	Day LAeq(5 min)	Evening LAeq(5 min)	Night LAeq(5 min)																														
81 Lins Road	59	55	55																														
371 Oak Southern Road	45	55	55																														
245 Princess Highway	49	59	59																														
South Coast Correctional Facility	51	57	57																														
L4 Blasting																																	

L4.1	<p>The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed the limits set out in the table below;</p> <table><tr><th>Receiver</th><th>Peak particle velocity (mm/s)</th><th>Allowable exceedance</th></tr><tr><td>Residential & South Coast Correctional Facility</td><td>5</td><td>5% of the total number of blasts in any 12 month period</td></tr><tr><td></td><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 & South Coast Correctional Facility	5	5% of the total number of blasts in any 12 month period		10	0%	Commercial	25	0%	<p>AEMR Appendix C Blasting Results (2016-2019)</p> <p>AEMR Section 3.1 (2016-2019)</p>	<p>All blasts were monitored at the four nominated locations (2,3,4 and 5). Air blast overpressure monitoring results were provided for 35 blasting events – 10 blasts in 2019, 8 blasts in 2018, 5 blasts in 2017, and 12 in 2016. All blasts were monitored at the four nominated locations.</p> <p>Exceedances No exceedances were reported in the AEMRs (2016-2019).</p>	No recommendations	Compliant
Receiver	Peak particle velocity (mm/s)	Allowable exceedance															
Residential & South Coast Correctional Facility	5	5% of the total number of blasts in any 12 month period															
	10	0%															
Commercial	25	0%															
L4.2	<p>The overpressure level from blasting operations carried out in or on the premises must not exceed the criteria outlined in the table below;</p> <table><tr><th>Receiver</th><th>Airblast overpressure level dB(Lin Peak)</th><th>Allowable exceedance</th></tr><tr><td>Residential & South Coast Correctional Facility</td><td>115</td><td>5% of the total number of blasts in any 12 month period</td></tr><tr><td></td><td>120</td><td>0%</td></tr></table>	Receiver	Airblast overpressure level dB(Lin Peak)	Allowable exceedance	Residential & South Coast Correctional Facility	115	5% of the total number of blasts in any 12 month period		120	0%	<p>AEMR (2016-2019), Section 3.1.2 Blasting Analysis (Air Blast Overpressure), blast reports Appendix C completed by Precision Drill and Blast Pty Ltd.</p>	<p>Results within the 2016-2019 reporting period show no evidence of an exceedance, Blast reports are provided in Appendix C.</p> <p>Air blast overpressure monitoring results were provided for 35 blasting events – 10 blasts in 2019, 8 blasts in 2018, 5 blasts in 2017, and 12 in 2016. All blasts were monitored at the four nominated locations.</p> <p>Refer to Schedule 3.5 (Compliance with DA07/0123) for more details.</p>	No recommendations	Compliant			
Receiver	Airblast overpressure level dB(Lin Peak)	Allowable exceedance															
Residential & South Coast Correctional Facility	115	5% of the total number of blasts in any 12 month period															
	120	0%															
L4.3	<p>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.</p>	<p>AEMR Appendix B EMS (2016-2019)</p>	<p>All blast monitoring was carried out at the nominated locations. Refer to Licence condition L4.2 above.</p>	No recommendations	Compliant												
L4.4	<p>The licensee must not carry out more than one blast per week at the premises.</p>	<p>AEMR Appendix B EMS (2016-2019)</p> <p>Blasting results 2016-2019 AEMRs</p> <p>Site audit inspection 6 November 2019</p>	<p>The EMS describes the drilling and blasting requirements including requirements consistent with this condition.</p> <p>A review of the blasting results in Appendix C of both AEMRs confirm no more than one blast was conducted per week. This was also confirmed by SCCCR during the site visit.</p>	No recommendations	Compliant												
L5 Blasting																	
L5.1	<p>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.</p> <p><i>Note:</i></p> <ul style="list-style-type: none">• Maintenance activities may be conducted outside weekday hours provided the activities are not audible at any privately owned residence, or until 6pm on Saturdays,• Up to three unladen trucks are permitted to arrive at the site between 6:00am and 7:00am on Monday to Saturday; and up to three unladen trucks are permitted to return to the site between 6:00pm and 8:00pm Monday to Friday, and between 4:00pm and 6:00pm on Saturday,• 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 operations of personnel or equipment are endangered. In such circumstances, notification is to be provided to the EPA and the affected residents as soon as possible, or within a reasonable period in the case of an emergency.	N/A	<p>SCCCR site is gated and closed during non-operational hours. Hours of operation at the site are consistent with this condition.</p>	No recommendations	Compliant												
L5.2	<p>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.</p>	N/A	<p>Refer to Condition 3.7 (Compliance with DA07_0123).</p>	No recommendations	Compliant												
4. Operating Conditions																	
O1 Activities must be carried out in a competent manner																	
O1.1	<p>Licensed activities must be carried out in a competent manner.</p> <p>This includes:</p> <ul style="list-style-type: none">a) the processing, handling, movement and storage of materials and substances used to carry out the activity; andb) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.	N/A	<p>SCCCR documentation and site inspection did not identify that the site activities were not being conducted in a competent manner.</p>	No recommendations	Compliant												
O2 Maintenance of plant and equipment																	
O2.1	<p>All plant and equipment installed at the premises or used in connection with the licensed activity:</p> <ul style="list-style-type: none">a) must be maintained in a proper and efficient condition; andb) must be operated in a proper and efficient manner.	<p>Weighbridge calibration forms</p> <p>Dockets for oil waste removal : Southern Oil 12/09/2019, Southern Oil 3/10/2019, Southern Oil 3/07/2019</p>	<p>All plant and machinery on site appeared to be in good working order. The site keeps a digital record of all maintenance conducted on site. Evidence of their software, Assignar, was seen during the site visit. Recent Calibration forms for the weighbridges was also provided as evidence.</p>	No recommendations	Compliant												
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.	N/A	<p>During the site inspection dust was visible leaving the site during the audit inspection, predominantly from stockpiles close the eastern and southern boundaries and generation off the haul roads.</p> <p>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.</p> <p>One was received in 2016, three received in 2017, and one in 2019. SCCCR advised that it suspected dust was blowing from the neighbours to the north of the quarry and the EPA were notified.</p> <p>NSW EPA Annual Reports indicate a high level of variability in PM10 and Total Suspended Particle results, indicating variability in dust management across the site.</p> <p>During the AEMR reporting period of 2016-2019, 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. An increased section of the road had been sealed since the previous audit to reduce dust tracking. Additionally a street sweeper occasionally was used to clean the Princes Highway road surface of dust tracking.</p> <p>The audit site inspection confirmed the environmental controls outlined in the AEMR are implemented on site however more proactive dust management is required to represent current activities.</p> <p>A street sweeper is used on the Princes Highway when needed. No dust tracking was evident during the site inspection. In addition, it was observed at the time of the audit, SCCCR have two wheel washes in operation to further reduce this issue.</p> <p>SCCCR Quarries provided evidence of the updated monitoring locations including a variation approval for the EPL from the EPA and an aerial photograph showing the monitor locations.</p> <p>During the site inspection it was observed that the location of the dust monitors did not suitably represent where the dust was leaving the site.</p>	Refer to Recommendation in Condition 3.14 (Corrective Action CA-3)	Non-compliant																				
O3.2	The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.	N/A	<p>Refer to Condition 3.14 in Table C1 (Compliance with DA07/0132)</p> <p>Refer to O3.1</p>	Refer to Recommendation in Condition 3.14 (Corrective Action CA-3)		Non-compliant																			
O3.3	Trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading.	N/A	Trucks were observed to be have covered loads during the inspection.	No recommendations		Compliant																			
O4 Other operating conditions - Covering of Loads																									
O4.1	Trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading.	N/A	Trucks were observed to be have covered loads during the inspection.	Conditon O4.1 is an exact duplication of Condition O3.3. It is recommended that the two identical conditions are consolidated into one.	Compliant																				
5. Monitoring and Recording Conditions																									
M1 Monitoring records																									
M1.1	The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.	Refer to documented evidence identified throughout this report.	Documents and results on monitoring, when conducted was maintained and able to be viewed	No recommendations	Compliant																				
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.	<p>SCCCR royalty spreadsheet 2018/2019</p> <p>Waste and Resourcing Reporting Portal (WARRP) Reports to EPA (February, March, April, May, June 2019)</p> <p>Receipt of Annual Return to EPA and Annual Return Summary (2018/19)</p> <p>Weighbridge calibration forms</p> <p>AEMR Appendix C Blasting Results, Appendix D Noise Monitoring Results, Appendix E Air Monitoring Results (2016-2019)</p>	<p>The records sighted were in accordance with this condition, however not all monitoring has been undertaken as required.</p> <p>Refer to Schedule 3.4, 3.16, 3.19, 3.22 and 3.23</p>	No recommendations	Compliant																				
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.	AEMR Appendix C Blasting Results, Appendix D Noise Monitoring Results, Appendix E Air Monitoring Results (2016-2019)	Monitoring results gathered as part of condition M1.2 comply with this condition.	No recommendations	Compliant																				
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:	N/A	Noted. Refer to specific conditions to demonstrate compliance.	No recommendations	Compliant																				
M2.2	<p>Air Monitoring Requirements</p> <p>POINT 1,2,3,4</p> <table><tr><th>Pollutant</th><th>Units 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></table> <p>POINT 5,6</p> <table><tr><th>Pollutant</th><th>Units 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>AS/NZS 3580.9.6:2003</td></tr><tr><td>Total suspended particles</td><td>micrograms per cubic metre</td><td>Special Frequency 1</td><td>AS/NZS 3580.9.6:2003</td></tr></table> <p>No SLs</p>	Pollutant	Units of measure	Frequency	Sampling Method	Particulates - Deposited Matter	grams per square metre per month	Monthly	Australian Standard 3580.10.1-2003	Pollutant	Units of measure	Frequency	Sampling Method	PM10	micrograms per cubic metre	Special Frequency 1	AS/NZS 3580.9.6:2003	Total suspended particles	micrograms per cubic metre	Special Frequency 1	AS/NZS 3580.9.6:2003	<p>AEMR (2016-2019)</p> <p>Receipt of Annual Return to EPA and Annual Return Summary (2018/19)</p>	NSW EPA Annual Reports and AEMR Reports indicate compliance with this condition.	No recommendations	Compliant
Pollutant	Units of measure	Frequency	Sampling Method																						
Particulates - Deposited Matter	grams per square metre per month	Monthly	Australian Standard 3580.10.1-2003																						
Pollutant	Units of measure	Frequency	Sampling Method																						
PM10	micrograms per cubic metre	Special Frequency 1	AS/NZS 3580.9.6:2003																						
Total suspended particles	micrograms per cubic metre	Special Frequency 1	AS/NZS 3580.9.6:2003																						
M3 Testing methods - concentration limits																									

M3.1	Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with: a) any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or 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 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. <i>Note: The Protection of the Environment Operations (Clean Air) Regulation 2010 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".</i>	AEMR (2016-2019) Receipt of Annual Return to EPA and Annual Return Summary (2018/19)	Monitoring conducted was compliant with this condition	No recommendations	Compliant
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.	SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR Appendix K (2018-2019).	SCCCR have maintained a complaints register since the last independent audit. Four complaints were received during the audit period including one was received in 2016, three received in 2017, and one in 2019.	No recommendations	Compliant
M4.2	The record must include details of the following: a) the date and time of the complaint; b) the method by which the complaint was made; c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect; d) the nature of the complaint; e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and f) if no action was taken by the licensee, the reasons why no action was taken.	SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR Appendix K (2018-2019).	Required details as part of this condition are provided as an appendix in the 2016-2019 AEMR.	No recommendations	Compliant
M4.3	The record of a complaint must be kept for at least 4 years after the complaint was made.	SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR Appendix K (2018-2019).	Refer to Condition M4.1 above.	No recommendations	Compliant
M4.4	The record must be produced to any authorised officer of the EPA who asks to see them.	SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR	Refer to Condition M4.1 above.	No recommendations	Compliant
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.	SCCCR Quarries website http://www.scccrquarries.com.au/	Under the Contact section of the SCCCR website details have been provided for 'Complaints'.	No recommendations	Compliant
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.	SCCCR Quarries website http://www.scccrquarries.com.au/	The company website did not clearly state that the contact number was for complaints	Corrective Action (CA-8) Amend the website details to specifically indicate the contact details for complaints.	Non-compliant
M5.3	The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.	N/A	The condition is currently in force.	No recommendations	Compliant
M6 Blasting					
M6.1	To determine compliance with condition(s) L4.1 and L4.2 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 b) Instrumentation used to measure the air blast overpressure and ground vibration levels must meet the requirements of Australian Standard 2187.2 of 1993.	AEMR Appendix C Blasting Results (2016-2019) AEMR Section 3.1 (2016-2019)	All blasts were monitored at the four nominated locations (2,3,4 and 5) for 35 events during 2016 to 2019. No exceedances were detected. Refer to Schedule 3.6 (Compliance with DA07/0123).	No recommendations	Compliant
M6.2	For the purposes of blast monitoring, the following information must be recorded for each blast carried out in or on the premises: (i) the time and date of each blast; (ii) the location(s) at which the blast was measured; (iii) the ground vibration for each blast; (iv) the air blast overpressure for each blast; and (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.	AEMR Appendix C Blasting Results (2016-2019) Evidence of Latest calibration for blast monitors (Serial number: BE15377, BE15569, BE15777, BE16020, BE16158)	Blast monitoring records provided in the 2016-2019 AEMRs are in accordance with this requirement. Evidence of Latest calibration for blast monitors (Serial number: BE15377, BE15569, BE15777, BE16020, BE16158) is located in AEMR Appendix C Blasting Results (2016-2019)	No recommendations	Compliant
6. Reporting Conditions					
R1 Annual return documents					
R1.1	The licensee must complete and supply to the EPA an Annual Return in the approved form comprising: 1. a Statement of Compliance, 2. a Monitoring and Complaints Summary, 3. a Statement of Compliance - Licence Conditions, 4. a Statement of Compliance - Load based Fee, 5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan, 6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and 7. a Statement of Compliance - Environmental Management Systems and Practices. At the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.	EPA Website: https://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=11765&id=11765&option=licence&searchrange=licence&range=POEO&licence&pr=no&status=issued	A review of the EPA licence summary page annual returns have been submitted as evident by the 'date received' column. Annual returns were viewed from within the audit period. The NSW EPA had not indicated that the annual returns were not appropriate or lacking information.	No recommendations	Compliant
R1.2	An Annual Return must be prepared in respect of each reporting period, except as provided below.	EPA Website: https://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=11765&id=11765&option=licence&searchrange=licence&range=POEO&licence&pr=no&status=issued	NSW EPA Annual returns were completed throughout the audit period.	No recommendations	Compliant

R1.3	Where this licence is transferred from the licensee to a new licensee: a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.	N/A	This condition has not been triggered.	No recommendations	Not-triggered
R1.4	Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on: a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.	N/A	This condition has not been triggered.	No recommendations	Not-triggered
R1.5	The Annual Return for the reporting period must be supplied to the EPA via eConnect EPA or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').	EPA Website: https://www.epa.nsw.gov.au/pr/poeoapp/Detail.aspx?instid=11765&id=11765&option=licence&searchrange=licence&range=POEO&licence&pr=no&status=issued	A review of the EPA licence summary page indicate annual returns have been submitted as evident by the 'date received' column. All annual reviews have been received within 60 days, except the 2018 return was received 68 days after the reporting period.	Corrective Action (CA-9) Annual Returns to be submitted within the designated time period.	Non-compliant
R1.6	The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.	SCCCR Annual Return 2018/2019	A copy of the Annual Returns was provided by SCCCR.	No recommendations	Compliant
R1.7	Within the Annual Return, the Statements 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.	SCCCR Annual Returns 2018/2019	Annual returns have been signed as required. The director John Green has signed the July 2018- June 2019 Annual Return.	No recommendations	Compliant
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.	Email from SCCCR 7 June 2099 to EPA containing Blast Results. AEMR Appendix C Blasting Results (2016-2019)	SCCCR provided an example email to the EPA of sending results within 7 days. Blast results are within the 2016-2019 AEMRs.	No recommendations	Compliant
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 becomes known to the licensee or to one of the licensee's employees or agents. Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period. Note: An application to transfer a licence must be made in the approved form for this purpose.	AEMR Appendix C Blasting Results (2016-2019)	No exceedances were detected in the blasting conducted within the 2016-2019 reporting periods.	No recommendations	Compliant
R2 Notification of environmental harm					
R2.1	Notifications must be made by telephoning the Environment Line service on 131 555.	EPA letter 28/10/19 SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR Appendix K (2018-2019).	SCCCR indicated that 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.	No recommendations	Compliant
R2.2	The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred. Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.	EPA letter 28/10/19 SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR Appendix K (2018-2019).	Refer to Licence condition R2.1 above in this table.	No recommendations	Compliant
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.	EPA letter 28/10/19 SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR Appendix K (2018-2019).	Documentation between SCCCR and EPA was observed relating to the reporting and management of dust complaints that indicate compliance with this condition.	No recommendations	Compliant
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.	EPA letter 28/10/19	Documentation between SCCCR and EPA was observed relating to the reporting and management of dust complaints that indicate compliance with this condition.	No recommendations	Compliant
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.	EPA letter 28/10/19 SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR Appendix K (2018-2019).	Documentation between SCCCR and EPA was observed relating to the reporting and management of dust complaints that indicate compliance with this condition.	No recommendations	Compliant
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.	Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	No additional written requests have been received by SCCCR	No recommendations	Compliant
7. General Conditions					
G1 Copy of licence kept at the premises or plant					
G1.1	A copy of this licence must be kept at the premises to which the licence applies.	Site inspection 6th November 2019	Licence sighted which contained a copy of the current licence and amendments.	No recommendations	Compliant

G1.2	The licence must be produced to any authorised officer of the EPA who asks to see it.	N/A	SCCCR indicated that no viewing had been requested.	No recommendations	Compliant
G1.3	The licence must be available for inspection by any employee or agent of the licensee working at the premises.	Site inspection 6th November 2019	Licence available on site for review.	No recommendations	Compliant
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 Operations Act 1997.	SCCCR royalty spreadsheet 2018/2019	VENM is being obtained for future backfilling activities. SCCCR provided information on rejected loads.	No recommendations	Compliant
E1.1	(a) A financial assurance in the form of an unconditional and irrevocable and on-demand guarantee from a bank, building society or credit union operating in Australia as an "Authorised Deposit-taking Institution" under the Banking Act 1959 of the Commonwealth of Australia and supervised by the Australian Prudential Regulatory Authority (APRA) must be provided to the EPA in the aggregate amount of: (i) one hundred thousand dollars (\$100,000) by 30 June 2016, and (ii) two hundred thousand dollars (\$200,000) by 30 June 2017. (b) The financial assurance is required to secure or guarantee funding for works or programs required by or under this licence. (c) The financial assurance must contain a term that provides that any monies claimed can be paid to the EPA or, at the written direction of the EPA, to any other person. (d) The licensee must provide to the EPA, along with the original counterpart guarantee(s), confirmation in writing that the financial institution providing the guarantee(s) is subject to supervision by the Australian Prudential Regulatory Authority.	\$100,000 SCCCR Bank Guarantee No. 233634581 (National Australia Bank Limited) Ref 821270144-233423020 Dated 22 June 2016	SCCCR Quarries could not provide evidence of the second bank guarantee of \$200,000 to be paid by 30 June 2017.	Corrective Action CA-10 Evidence of the second bank guarantee of \$200,000 to be paid by 30 June 2017 to be provided.	Non Compliant
E1.2	The financial assurance must be maintained during the operation of the facility and thereafter until such time as the EPA is satisfied the premises are environmentally secure.	Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	According to the Site Manager, the financial assurance (E1.1(ii)) has been maintained during the operation of the facility. The EPA has not recinded this requirement.	Corrective Action CA-10 Evidence of the second bank guarantee of \$200,000 to be paid by 30 June 2017 to be provided.	Non Compliant
E1.3	The financial assurance must be replenished by the full amount claimed or realised if the EPA has claimed on or realised the financial assurance or any part of it to undertake a work or program required to be carried out by the licence which has not been undertaken by the licence holder.	Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	No claim has been made by the EPA	No recommendations	Not-triggered
E1.4	The EPA may require an increase in the amount of the financial assurance at any time as a result of reassessment of the total likely costs and expenses of rehabilitation of the premises.	Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	The EPA has not requested an increase in the amount of the financial assurance.	No recommendations	Not-triggered
E1.5	The licensee must provide to the EPA the original counterpart guarantee within five working days of the issue of: a) the financial assurance required by condition E1.1(a)(i) and (ii), and b) the adjusted financial assurance as required by condition E1.3 and E1.4 Environmental Obligations of Licensee (Works & Programs)	SCCCR Bank Guarantee 2016 SCCCR Bank Guarantee 2016	SCCCR Quarries provided evidence of the bank guarantee paid to fulfil this requirement (E1.1a(i)), however the evidence could not be provided for E1.1 a(ii)	Corrective Action CA-10 Evidence of the second bank guarantee of \$200,000 to be paid by 30 June 2017 to be provided.	Non Compliant
E1.6	While the licensee's premises are being used for the purpose to which the licence relates, the licensee must: a) Clean up any spill, leak or other discharge of any waste(s) or other material(s) as soon as practicable after it becomes known to the licensee or to one of the licensee's employees or agents. b) In the event(s) that any liquid and non-liquid waste(s) is unlawfully deposited on the premises, such waste(s) must be removed and lawfully disposed of as soon as practicable or in accordance with any direction given by the EPA. c) Provide all monitoring data as required by the conditions of this licence or as directed by the EPA.	Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	The site was generally maintained in a clean and safe working manner. No evidence was observed of poor site management or failure to comply with the requirements of this condition. Items of poor dust management have been addressed elsewhere in the audit.	No recommendations	Compliant
E1.7	In the event of an earthquake, storm, fire, flood or any other event where it is reasonable to suspect that a pollution incident has occurred, is occurring or is likely to occur, the licensee (whether or not the premises continue to be used for the purposes to which the licence relates) must: a) make all efforts to contain all firewater on the licensee's premises, b) make all efforts to control air pollution from the licensee's premises, c) make all efforts to contain any discharge, spill or run-off from the licensee's premises, d) make all efforts to prevent flood water entering the licensee's premises, e) remediate and rehabilitate any exposed areas of soil and/or waste, f) lawfully dispose of all liquid and solid waste(s) stored on the premises that is not already securely disposed of, g) at the request of the EPA monitor groundwater beneath the licensee's premises and its potential to migrate from the licensee's premises, h) at the request of the EPA monitor surface water leaving the licensee's premises; and i) ensure the licensee's premises is secure.	Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	SCCCR indicated that the site has not been subject to extreme weather events where significant impact on the surrounding environment has occurred. It is noted that during the site inspection, wind speed alarms were triggered and operations were adjusted/ ceased to reduce dust from exiting the site.	No recommendations	Compliant
E1.8	After the licensee's premises cease to be used for the purpose to which the licence relates or in the event that the licensee ceases to carry out the activity that is the subject of this licence, that licensee must: a) remove and lawfully dispose of all liquid and non-liquid waste stored on the licensee's premises; and b) rehabilitate the site, including conducting an assessment of and if required remediation of any site contamination.	N/A	The quarry is still in operation therefore this requirement is not triggered. Liquid waste was being removed during normal operations. Non compliant loads, with non compliant material were rejected not able to be deposited.	No recommendations	Not-triggered
E1.9	EPA May Claim on a Financial Assurance The EPA may claim on a financial assurance under s303 of the POEO Act if a licensee fails to carry out any work or program required to comply with the conditions of this licence.	Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	No claim has been made by the EPA.	Refer to Corrective Action CA-9 regarding compliance against the Financial Assurance conditions.	Not-triggered

C3 Statement of Commitments

SCCCR 2019 Compliance Audit							
Approval (ID)	Desired Outcome	Requirement	Timing	Evidence Collected	Audit Findings	Audit Recommendations	Compliance Status
1. Environmental Management							
1.1	Compliance with all conditional requirements in all approvals, licences and leases.	Comply with all commitments recorded in Table 5.1	Continuous as required	This Table	Refer to audit outcomes for conditions relating to this approval.	N/A	Compliant
1.2		Comply with all conditional requirements included in the: Project Approval; Environment Protection Licence; Mining Leases; and any other approvals.		This Table	Refer to audit outcomes for conditions relating to this approval.	N/A	Compliant
1.3		All operations conducted in accordance with the accepted Mining Operations Plan, environmental procedures, safety management plan and/or site-specific documentation.		2019 I Audit Report (This document)	Non conformances were identified throughout the document review and site assessment	Refer to Corrective Actions within this report	Non-compliant
1.4	All relevant documentation.	provide annual production data to DRG		SCCCR royalty spreadsheet 2018/2019	SCCR provide productio data and complete required annual reports.		Compliant
2. Area of Activities							
2.1	All approved activities are undertaken generally in the location(s) nominated on the figures shown in Sections 2 and 4.	Mark, and where appropriate, survey the boundaries of the areas of proposed disturbance.	Prior to the commencement of the relevant activity.	Closed	Closed	Closed	Closed
3. Hours of Operation							
3.1	All operations are undertaken within the approved operating hours.	Extraction, processing and VENM/ENM backfilling-related activities. • 7:00am to 6:00pm, Monday to Friday. • 7:00am to 4:00pm, Saturday	Continuous	Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	Refer to Condition S2.8a in Table C1 (Compliance with DA07_0123). Site operations only occur during indicated site hours according to SCCCR Site Manager.	No recommendations	Compliant
3.2		Product despatch. • 7:00am to 6:00pm, Monday to Saturday. • Up to three unladen trucks would arrive at the Project Site between 6:00am and 7:00am, Monday to Saturday and may return to the Project Site between 6:00pm and 8:00pm, Monday to Friday and between 4:00pm and 6:00pm Saturday.		Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	See 3.1 above	No recommendations	Compliant
3.3		Maintenance-related activities • 7:00am to 6:00pm, Monday to Saturday.		Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	See 3.1 above	No recommendations	Compliant
4. Hydrology (Surface Water and Groundwater)							
4.1	All surface water and ground water managed such that water to be discharged from the Project Site complies with all assessment criteria	Maintain and progressively relocate the existing surface water diversion and sediment containment structures.	As required	Site audit inspection 6 November 2019 EMS Erosion and Sediment Control Plan (Appendix E, EMS)	During the site visit, surface water diversion and sediment containment structures were in place and well maintained in accordance with the Erosion and Sediment Control Plan	No recommendations	Compliant
4.2		Construct, maintain and relocate, as required, surface water diversion structures to ensure that all surface water flows within disturbed sections of the Project Site are directed to the extraction area. The maximum catchment area would be required to be less than 5.9ha. To achieve this, the Proponent would ensure that progressive rehabilitation is undertaken as soon as practicable on sections of the Project Site no longer required for extraction-related operations.		Site audit inspection 6 November 2019 EMS Erosion and Sediment Control Plan (Appendix E, EMS) EMS Landscape and Biodiversity Management Plan (Appendix H, EMS)	During the site visit, surface water diversion and sediment containment structures were in place and well maintained in accordance with the Erosion and Sediment Control Plan. Rehabilitation activities have not yet commenced.	Improvement Opportunity IO-1 After recontouring or earthworks review site flows to ensure that all surface waters are directed into the excavation site.	Compliant
4.3		Construct temporary surface water diversion structures on the upslope side of all soil stockpiles or other disturbed areas to limit erosion.		Site audit inspection 6 November 2019 EMS Erosion and Sediment Control Plan (Appendix E, EMS)	Established surface water diversion was in place.	No recommendations	Compliant
4.4		Install sediment fencing adjacent to the down-slope toe of all soil stockpiles or other disturbed areas.	Six monthly and following significant rainfall events	Site audit inspection 6 November 2019 EMS Erosion and Sediment Control Plan (Appendix E, EMS)	Sediment control measures were in place, including fencing and bunding structures.	No recommendations	Compliant
4.5		Regularly inspect all surface water and sediment control structures for adequacy and repair or upgrade, where required.		Site audit inspection 6 November 2019 EMS Erosion and Sediment Control Plan (Appendix E, EMS)	Inspections occur on a regualr basis. Many of the older boundary earth structures have vegetation cover that restrict the potential of erosion.	No recommendations	Compliant
4.6		Install and maintain a suitably sized sump within the active extraction area to collect all surface water runoff and groundwater inflows to the extraction area.	Following receipt of project approval	Site audit inspection 6 November 2019 EMS Erosion and Sediment Control Plan (Appendix E, EMS)	Water collects in the ponds for reuse.	No recommendations	Compliant

4.7		Preferentially use water within the extraction area sump for dust suppression-related activities. Surplus water within the extraction area sump would be pumped to the water storage facility.	As required	Site audit inspection 6 November 2019 EMS Erosion and Sediment Control Plan (Appendix E, EMS)	Water is collected. Stored, treated and reused on site.	No recommendations	Compliant
4.8		Preferentially use water within the water storage facility for rehabilitation-related activities or for irrigation within the irrigation area.		Site audit inspection 6 November 2019 Landscape and Biodiversity Management Plan (Appendix H, EMS) EMS Erosion and Sediment Control Plan (Appendix E, EMS)	Water is collected. Stored, treated and reused on site.	No recommendations	Compliant
4.9		Construct 'grassed buffer areas' adjacent to the site access road and other sealed sections of the Project Site.		Within 6 months of receipt of project approval Site audit inspection 6 November 2019 Landscape and Biodiversity Management Plan (Appendix H, EMS) EMS Erosion and Sediment Control Plan (Appendix E, EMS)	The site access road has changes since the original environmental assessment, with site access road areas stabilised.	CLOSED	Closed
5. Ecology							
5.1	Minimise Project-related impacts on flora and fauna within and surrounding the Project Site.	Stage extraction activities such that they preferentially progress from disturbed sections of the Project Site to undisturbed sections.	Continuous	AEMR Appendix B EMS (2016-2019) Landscape and Biodiversity Management Plan (Appendix H, EMS)	Staged works have been occurring	No recommendations	Compliant
5.2		Remove native vegetation only from those areas required for operational purposes during the subsequent 12 months.		AEMR Appendix B EMS (2016-2019) Landscape and Biodiversity Management Plan (Appendix H, EMS)	Staged works have been occurring	No recommendations	Compliant
5.3		Mark hollow-bearing trees to ensure they are readily identifiable.		AEMR Appendix B EMS (2016-2019) Landscape and Biodiversity Management Plan (Appendix H, EMS)	The audit did not inspect for hollow bearing trees.	No recommendations	Not audited
5.4		Mark the boundaries of areas of native vegetation to be cleared.	Prior to clearing operations	AEMR Appendix B EMS (2016-2019) Landscape and Biodiversity Management Plan (Appendix H, EMS)	Boundary areas were observed	No recommendations	Compliant
5.5		Erect cage traps in the vicinity of hollow-bearing trees for three consecutive nights.		AEMR Appendix B EMS (2016-2019) Landscape and Biodiversity Management Plan (Appendix H, EMS)	Not audited	No recommendations	Not audited
5.6		Keep any trapped animal in captivity by animal for the period of clearing of native vegetation.	During clearing operations	AEMR Appendix B EMS (2016-2019) Landscape and Biodiversity Management Plan (Appendix H, EMS)	Not audited	No recommendations	Not audited
5.7		Clear non-hollow-bearing trees before clearing other vegetation.		AEMR Appendix B EMS (2016-2019) Landscape and Biodiversity Management Plan (Appendix H, EMS)	Not audited	No recommendations	Not audited
5.8		Ensure a qualified fauna consultant is present during clearing of hollow-bearing trees.		AEMR Appendix B EMS (2016-2019) Landscape and Biodiversity Management Plan (Appendix H, EMS)	Not audited	No recommendations	Not audited
5.9		Release any trapped animal adjacent to the Project Site.	Following clearing operations	AEMR Appendix B EMS (2016-2019) Landscape and Biodiversity Management Plan (Appendix H, EMS)	Not audited	No recommendations	Not audited
5.10		Break or cut cleared vegetation into manageable sections to be placed on areas undergoing rehabilitation or within other areas of native vegetation surrounding the Project Site.		AEMR Appendix B EMS (2016-2019) Landscape and Biodiversity Management Plan (Appendix H, EMS)	Native vegetation was observed on the western and southern boundaries	No recommendations	Compliant
5.11		Undertake weed control programs within the Project Site.	Annually	AEMR Appendix B EMS (2016-2019) Landscape and Biodiversity Management Plan (Appendix H, EMS)	Weed management is occurring on site	No recommendations	Compliant
5.12		Strip, stockpile and spread topsoil and subsoil in accordance with Section 2.3.5.	During soil stripping programs	AEMR Appendix B EMS (2016-2019) Landscape and Biodiversity Management Plan (Appendix H, EMS) EMS Erosion and Sediment Control Plan (Appendix E, EMS)	Not audited	No recommendations	Not audited
5.13		Progressively rehabilitate all areas of disturbance no longer required for extraction or placement activities.		AEMR Appendix B EMS (2016-2019) Landscape and Biodiversity Management Plan (Appendix H, EMS)	Site Rehabilitation is not yet underway	No recommendations	Compliant
5.14		Implement the proposed biodiversity offset strategy	nil	AEMR Appendix B EMS (2016-2019) Landscape and Biodiversity Management Plan (Appendix H, EMS)	Biodiversity offset program is underway and assessed in previous audits.	No recommendations	Compliant
6. Traffic and Transportation							
6.1	Limit the impact of Project-related traffic	Adhere to the approved hours of operation.	Continuous	Pers. Comm SCCC Site Manager and Environmental Representative during site inspection 06/11/2019	Refer to Condition S2.8a in Table C1 (Compliance with DA07_0123). Site operations only occur during indicated site hours according to SCCC Site Manager.	No recommendations	Compliant
6.2		Adhere to all speed limits.		Pers. Comm SCCC Site Manager and Environmental Representative during site inspection 06/11/2019	Speed limits were observed on site	No recommendations	Compliant

6.3	Allow concerned residents or motorists to report any traffic-related incidents, unsafe operation or general concerns.	Establish a complaints register, advertised in the local telephone directory.	On receipt of project approval	Company website (http://www.scccrquarries.com.au/) SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR Appendix K (2018-2019).	Complaints telephone line on website Complaints register maintained by SCCCR Quarries which tracks the complaint and response.	No recommendations	Compliant
6.4		Investigate all complaints and act decisively on substantiated incidents.		SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR Appendix K (2018-2019).	See 6.3 above. Complaints register maintained by SCCCR Quarries which tracks the complaint and response.	No recommendations	Compliant
6.5	Ensure all weight restrictions are adhered to	Weigh all entering and exiting laden trucks.	Continuous	Site audit inspection 6 November 2019 Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	All trucks are weighed as they enter and exit the site.	No recommendations	Compliant
6.6	Limit the tracking of material onto the Princes Highway to minimise dust, particulate matter and debris emissions.	Seal a 150m section of the site access road from the entrance gate and construct a wheel wash facility.	Prior to the amount of quarry products despatched from the Project Site exceeding 250 000t per year	Site audit inspection 6 November 2019	The site access road is sealed from the entrance to the two wheel washes. This was verified during the site inspection. The wheel washes were constructed and operational.	No recommendations	Compliant
6.7		Ensure all loads are covered.	Continuous	Site audit inspection 6 November 2019 Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	All trucks are covered when entering and leaving the site. Trucks are covered once they have been loaded.	No recommendations	Compliant
6.8		Provide a safe area for covering loads.		Site audit inspection 6 November 2019	See 6.7 above	No recommendations	Compliant
6.9	Ensure all drivers adhere to the Projects Code of Conduct	Require all truck drivers to sign a Driver's Code of Conduct.	Prior to each driver leaving site for the first time	Not Audited	Not Audited	Not Audited	Not audited
7. Air Quality							
7.1	Site activities are undertaken without exceeding EPA air quality criteria or goals.	Utilise water sprays and water trucks in all areas of potential dust lift-off to minimise potential dust emissions.	Continuous	Site audit inspection 6 November 2019	This was verified during the site inspection	No recommendations	Compliant
7.2		Utilise a chemical dust lift-off suppression system along unsealed roads, tracks and working areas, as well as with the mobile processing plant(s).			Site inspection noted the local generation of dust from haul roads. Water trucks were operations for dust management. While SCCCR indicated that they had periodically used chemical dust suppression sprays previously, they currently were just using the water truck. After the site inspection SCCCR indicated that they had purchased and used "dust loc" and that had improved the generation of dust from haulage vehicles	Corrective Action CA-11. Continue with both the water truck and chemical treatment of dust on haul roads.	Non-Compliant
7.3		Utilise efficient mist sprays and wind sheltering equipment on processing equipment.		Site audit inspection 6 November 2019	This was verified during the site inspection	No recommendations	Compliant
7.4		Maintain a maximum speed limit within the Project Site of 10km/h.		Site audit inspection 6 November 2019	This was verified during the site inspection	No recommendations	Compliant
7.5		Stabilise the unsealed shoulders of the site access road.	Prior to the amount of quarry products despatched from the Project Site exceeding 250 000t per year	Site audit inspection 6 November 2019	This was verified during the site inspection	No recommendations	Closed
7.6		Install a wheel wash on the site access road to limit tracking of material onto the Princes Highway		Site audit inspection 6 November 2019	Two wheel washes are installed and operational which was verified during the site inspection.	No recommendations	Compliant
7.7		Disturb only the minimum area required for operation of the quarry during the subsequent 12 months.	Continuous		Staged clearing was undertaken on site.	No recommendations	Compliant

7.8		Stabilise soil stockpiles to be in place for more than 10 days through the application of cleared vegetation, hydroseeding, hydro mulching or equivalent.	Following soil stripping activities	AEMR Appendix B EMS (2016-2019) EMS Erosion and Sediment Control Plan (Appendix E, EMS) Landscape and Biodiversity Management Plan (Appendix H, EMS)	Soil stockpiles were being actively used during the site inspection. Soil stockpiles, that were being used as bunds on the site boundary were stabilised.	No recommendations	Compliant
7.9		Minimise the creation of minor roads and access tracks.	Continuous	AEMR Appendix B EMS (2016-2019) Air Quality Management Plan (Appendix I, EMS)	Outlined in Section 10 of the EMS	No recommendations	Compliant
7.10.		Utilise dust aprons, dust extraction systems and/or water injection or sprays during drilling operations.	During drilling operations	AEMR Appendix B EMS (2016-2019) Air Quality Management Plan (Appendix I, EMS)	Outlined in Section 7 of the EMS	No recommendations	Compliant
7.11		Adequately stem all blast holes with aggregates.	During blasting operations	AEMR Appendix B EMS (2016-2019) Air Quality Management Plan (Appendix I, EMS)	Outlined in Section 7 of the EMS	No recommendations	Compliant
7.12		Commence rehabilitation as soon as practicable.	Once an area is no longer required for extraction or placement-related operations	N/A	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.	No recommendations	Compliant
8. Noise							
8.1	Project-related noise impacts on surrounding residences minimised.	Adhere to the approved hours of operation.	Continuous	Pers. Comm SCCC Site Manager and Environmental Representative during site inspection 06/11/2019	Refer to Condition S2.8a in Table C1 (Compliance with DA07_0123). Site operations only occur during indicated site hours according to SCCC Site Manager.	No recommendations	Compliant
8.2		Use noise-mitigated mobile and processing equipment.		AEMR Appendix B EMS (2016-2019) Air Quality Management Plan (Appendix I, EMS)	Identified in Section 6, 8 and 9 of the EMS. The site was not generating high levels of noise during the site inspection and as indicated by noise reports.	No recommendations	Compliant
8.3		Undertake all processing operations within the deepest section of the quarry.		AEMR Appendix B EMS (2016-2019)	Identified in Section 8 of the EMS	No recommendations	Compliant
8.4		Maintain all mobile and processing equipment in accordance with the manufacturer's specifications.		AEMR Appendix B EMS (2016-2019) Pers. Comm SCCC Site Manager and Environmental Representative during site inspection 06/11/2019	All plant and machinery on site appeared to be in good working order. The site keeps a digital record of all maintenance conducted on site. Evidence of their software, Assignar, was seen during the site visit. 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 was regularly checked.	No recommendations	Compliant
8.5		Preferential selection of equipment with lower sound power levels over equipment with higher sound power levels.	As equipment renewal is required	AEMR Appendix B EMS (2016-2019) Air Quality Management Plan (Appendix I, EMS)	See 8.2 above.	No recommendations	Compliant
8.6	Progressively install frequency modulated reversing alarms on mobile equipment.	AEMR Appendix B EMS (2016-2019)		Identified in Section 6, 8 and 9 of the EMS	No recommendations	Compliant	
9. Blasting							
9.1	Project-related blasting impacts within assessment guidelines.	Design and implement blasts by a suitably qualified blasting engineer and experienced shot-firer.	Each blast	AEMR Appendix B EMS (2016-2019)	Outlined in Section 7 of the EMS. Specialist independent blast engineers were used.	No recommendations	Compliant
9.2		Design blasts to ensure the assessment criteria described in Section 4.7.4.5 are complied with at all residential and commercial receivers.		AEMR Appendix B EMS (2016-2019)	Outlined in Section 7 of the EMS. Blast results indicated that they complied with the requirements.	No recommendations	Compliant
9.3		Modify blast designs, mitigation measures and operating procedures on the basis of monitoring results.	As required	AEMR Appendix B EMS (2016-2019)	Outlined in Section 7 of the EMS	No recommendations	Compliant
9.4		Limit blasting operations to between the hours of 9:00am and 4:00pm, Monday to Saturday.	Each blast	Pers. Comm SCCC Site Manager and Environmental Representative during site inspection 06/11/2019	Refer to Condition S3.1a in Table C1 (Compliance with DA07_0123). There are no blast operations conducted outside of normal operating hours as confirmed by site personnel.	No recommendations	Compliant
9.5		Negotiate an appropriate arrangement with the owner of Residence A.	Prior to completion of Stage 1 of the Project	Not Audited	Completed prior to the audit period.	This condition should be closed	Closed

9.6		Notify the following organisations verbally of each blast. • Shoalhaven City Council. • NSW Police. • NSW Roads and Maritime Services. • The owner of Residence A. • Environment Protection Authority. • The South Coast Correctional Facility (when constructed).	On the working day prior to the blast being initiated	Pers. Comm SCCCQ Site Manager and Environmental Representative during site inspection 06/11/2019 AEMR Section 3.1 (2016-2019) Email Correspondence observed during site audit	Refer to Condition S3.10 in Table C1 (Compliance with DA07_0123). The police, Shoalhaven City Council, NSW Roads and Traffic Authority, Environmental Protection Agency and the resident occupying the house immediately to the south of the quarry site are notified at least 24 hours prior to the initiation of each blast. Email communication sent in advance of blasting activities was observed.	No recommendations	Compliant
9.7		Maintain the existing main telephone number (02 4421 7766) for the quarry as an environmental complaints line.	Continuous	SCCCR Quarries website http://www.scccqquarries.com.au/	Refer to Condition M5.1 in Table C1 (Compliance with EPL 11765). Under the Contact section of the SCCCQ website details have been provided for 'Complaints'.	No recommendations	Compliant
9.8		Maintain a register of complaints.		SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR Appendix K (2018-2019).	Refer to Condition M4.1 in Table C1 (Compliance with EPL 11765). SCCCQ have maintained a complaints register since the last independent audit.	No recommendations	Compliant
9.9		Respond promptly to any issue of concern.		SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR Appendix K (2018-2019).	SCCCCQ have maintained a complaints register and track the response to each complaint.	No recommendations	Compliant
10. Aboriginal Cultural Heritage							
10.1	Unidentified Aboriginal sites are not disturbed by the Proponent's activities.	Ensure representatives of the Aboriginal community are present during activities that would disturb the upper 10cm of soil in the area marked on Figure 5.1.	During soil stripping operations in the area indicated	Not Audited	Assessment against Figure 5.1 was not conducted. SCCCQ indicated during the site inspection that representatives of the Aboriginal community have assessed the site and current areas of current operation with no areas of aboriginal cultural heritage identified.		Not audited
10.2		Cease all work in the event that an item of suspected Aboriginal cultural heritage is discovered, establish a 20m x 20m buffer around the item and consult with the Department of Environment, Climate Change and Water.	As required	N/A	No aboriginal objects or places have been identified on site	N/A	Not-triggered
10.3		Cease all work in the event that suspected human remains are discovered, establish a 50m x 50m buffer around the item(s) and consult with NSW Police and the Department of Environment, Climate Change and Water.		N/A	No human remains have been identified on site	N/A	Not-triggered
11. Soils							
11.1	The Proponent's activities do not result in soil degradation or loss.	Strip soils only when they are moist.	During soil stripping operations	AEMR Appendix B EMS (2016-2019) Erosion and Sediment Control Plan (Appendix E, EMS) Air Quality Management Plan (Appendix I, EMS)	Outlined in Section 5 of the EMS. No stripping, or restoration activities were occurring during the site audit. Noted that water cart is operational on site.	No recommendations	Not audited
11.2		Strip topsoils using a scraper, excavator or bulldozer to a depth of between 180mm and 250mm below the surface.		Not Audited	See 11.1 above	No recommendations	Not audited
11.3		Strip subsoils to a depth of between 175mm and 500mm below the base of the topsoil.		Not Audited	See 11.1 above	No recommendations	Not audited
11.4		Place soils directly on areas undergoing progressive rehabilitation, where practicable.	During rehabilitation operations	Not Audited	See 11.1 above	No recommendations	Not audited
11.5		Place VENM/ENM in the manner described in Section 2.9.5.	During VENM/ENM placement operations	Not Audited	Materials entering the site are separated and were being used in an appropriate manner.	No recommendations	Compliant
11.6		Place subsoil over the VENM/ENM to a thickness of approximately 250mm.	During soil placement operations	AEMR Appendix B EMS (2016-2019) Mining Operations Plan 2015-2021 Erosion and Sediment Control Plan (Appendix E, EMS)	Outlined in Section 5, 6 & 13 of the EMS and Section 3.2.4 of the MOP. Refers to site restoration	No recommendations	Not audited
11.7		Place topsoil to a thickness of approximately 200mm.		AEMR Appendix B EMS (2016-2019) Erosion and Sediment Control Plan (Appendix E, EMS)	See 11.6 above	No recommendations	Not audited
11.8		Apply biosolids to the topsoil at a rate of less than 20 dry tonnes per hectare.		Not Audited	No biosolids were being applied to the site	No recommendations	Compliant
11.9		Spread between 20mm to 40mm of mulched native vegetation, broken tree debris or bitumen sprayed straw mulch over the topsoil.		Not Audited	Outlined in Section 9.2 of the EMS	No recommendations	Not audited
11.10		Locate soil stockpiles, where required, at least 2m from existing vegetation, areas of concentrated surface water flows, roads or other hazardous areas.	During soil stockpiling operations	AEMR Appendix B EMS (2016-2019) Erosion and Sediment Control Plan (Appendix E, EMS)	Outlined in Section 9.2 of the EMS	No recommendations	Compliant

11.11		Construct soil stockpiles as low (less than 2m high), flat, elongated mounds with side slopes no greater than 1:3(V:H). Where practicable, topsoil stockpiles would be less than 1m high.		AEMR Appendix B EMS (2016-2019) Erosion and Sediment Control Plan (Appendix E, EMS)	See 11.10 above The one soil stockpile on site was approximately 2m high, but variable in places, and was being actively worked.	Corrective Action CA-12 Stockpiles to be maintained at a level of 2m where they are in an exposed position or have the potential exists for them to generate dust that will travel beyond the site boundary.	Non Compliant
11.12		Stabilise stockpiles to be in place for more than 10 days through the application of mulched or broken vegetation, hydroseeding, hydro mulching or equivalent.		AEMR Appendix B EMS (2016-2019) Erosion and Sediment Control Plan (Appendix E, EMS)	See 11.10 above	No recommendations	Compliant
11.13		Erect a sediment fence approximately 1m from the toe on the downslope side of soil stockpiles.		AEMR Appendix B EMS (2016-2019) Erosion and Sediment Control Plan (Appendix E, EMS)	See 11.10 above	No recommendations	Compliant
11.14		Use stockpiled soil material for rehabilitation-related operations within 6 months of being stockpiled.		AEMR Appendix B EMS (2016-2019) Erosion and Sediment Control Plan (Appendix E, EMS)	See 11.10 above	No recommendations	Compliant
11.15	Ensure sediment-laden surface water is not permitted to flow off site.	Maintain and relocate an earth bank to divert all 'clean' surface water to a sediment retention structure and level spreader.	Continuous	Site audit inspection 6 November 2019	Earth banks used to divert to a surface retention structure (i.e. internal dam) was observed during the site visit.	No recommendations	Compliant
11.16		Divert all surface water flows from disturbed areas to the water storage facility where practicable.		Site audit inspection 6 November 2019	See 11.16 above	No recommendations	Compliant
11.17		Divert all other potentially sediment-laden surface water flows to a sump within the extraction area.		Site audit inspection 6 November 2019	See 11.16 above	No recommendations	Compliant
11.18		Preferentially use water from the extraction area sump for dust suppression and watering of roads and other areas.		AEMR Appendix B EMS (2016-2019) Erosion and Sediment Control Plan (Appendix E, EMS) Site audit inspection 6 November 2019	This is outlined in Section 12 of the EMS and was confirmed during the site visit.	No recommendations	Compliant
11.19		Construct a bio-infiltration facility in accordance with the specifications in Section 4.9.3.	Prior to discharge of surface water to Nowra Creek	Pers. Comm SCCC Site Manager and Environmental Representative during site inspection 06/11/2019	No surface water is discharged to Nowra Creek, therefore this requirement is not triggered. Water is captured, treated and reused on site.	N/A	Closed
11.20		Preferentially use water within the water storage facility for rehabilitation-related activities.	Continuous	Pers. Comm SCCC Site Manager and Environmental Representative during site inspection 06/11/2019	Water is captured, treated and reused on site.	N/A	Compliant
11.21		Pump excess water from the extraction area sump to the water storage facility.	As required	Pers. Comm SCCC Site Manager and Environmental Representative during site inspection 06/11/2019	Water is captured, treated and reused on site.	N/A	Compliant
11.22		Pump water from the water storage facility to a bio-infiltration facility when the concentration of total suspended solids within the water storage facility is less than 50mg/L.		Pers. Comm SCCC Site Manager and Environmental Representative during site inspection 06/11/2020	Water is captured, treated and reused on site.	N/A	Closed
11.23		Pump water from the bio-infiltration facility to Nowra Creek.		Pers. Comm SCCC Site Manager and Environmental Representative during site inspection 06/11/2019	No surface water is discharged to Nowra Creek, therefore this requirement is not triggered	N/A	Closed
12. Visibility							
12.1	Limit impacts to the visual amenity of the area surrounding the Project Site.	Maintain the existing perimeter bunds.	Continuous	Site audit inspection 6 November 2019 EMS Erosion and Sediment Control Plan (Appendix E, EMS) Landscape and Biodiversity Management Plan (Appendix H, EMS)	Perimeter bunds discussed in Section 12 and 13 of the EMS as well in the Erosion and Sediment Control Plan and Landscape and Biodiversity Management Plan.	Refer to Improvement Opportunity IO-2	Compliant
12.2		Maintain the existing mature trees on the eastern boundary of the Project Site.		Site audit inspection 6 November 2019	Mature trees were present on the eastern boundary with original plantings maturing. A small number of trees had died since the last audit. Ongoing vegetation rehabilitation recommended.	Refer to Improvement Opportunity IO-2	Compliant
12.3		Adopt a high standard of house keeping.		Site audit inspection 6 November 2019	Site well maintain during site inspection	No recommendations	Compliant
13. Socio-Economic							
13.1	Ensure Project-related adverse impacts are minimised and benefits are maximised.	Give preference to suppliers of equipment, services or consumables located within the Shoalhaven Local Government Area or Illawarra Region, where ever practicable.	Continuous	Pers. Comm SCCC Site Manager and Environmental Representative during site inspection 06/11/2019	SCCCR Quarries provides services to local projects and received VENM/ENM from local sites according to SCCCR site manager.	No recommendations	Compliant
13.2		Give preference, where reasonable to do so, when engaging new employees to candidates who live within the Shoalhaven Local Government Area.		Pers. Comm SCCC Site Manager and Environmental Representative during site inspection 06/11/2019	See 13.2 above	No recommendations	Compliant
13.3		Continue to support local junior sporting clubs through sponsorship or in kind support.		Not Audited	Not Audited	Not Audited	Not audited
13.4		Review any request by a community organisation for support or assistance during the life of the Project.	As required	Not Audited	Not Audited	Not Audited	Not audited
13.5		Consult with the residents and community surrounding the Project Site.	Continuous	N/A	Open invitations exist for community consultation as documented on the company website. SCCCR also indicated ongoing stakeholder consultation with those surrounding the site.	No recommendations	Compliant
13.6		Advertise and maintain a community complaints telephone line.		Company website (http://www.scccquarries.com.au/)	Complaints telephone line on website	No recommendations	Compliant

13.7		Develop and maintain a Complaints Management Plan to ensure prompt response to issues identified by the public.		SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR Appendix K (2018-2019).	Complaints register maintained by SCCCR Quarries which tracks the complaint and response.	No recommendations	Compliant
14. Environmental Monitoring							
14.1	Ongoing monitoring of surface and groundwater-related impacts.	Monitor groundwater levels within Piezometers P1 to P8 (Figure 5.1).	Monthly	Surface Water and Ground Water Monitoring Response Plan (Appendix F, EMS) Surface Water and Groundwater laboratory results AEMR (2016-2019) Site audit inspection 6 November 2019	Groundwater monitoring was being conducted in line with the Project Conditions of Approval and Environmental Protection Licence. Maintenance of P7 had been undertaken.	No recommendations	Compliant
14.2		Monitor and record groundwater quality within piezometers P2, P3, P5, P6 and P7 (Figure 5.1).	Quarterly	Surface Water and Ground Water Monitoring Response Plan (Appendix F, EMS) Surface Water and Groundwater laboratory results AEMR (2016-2019) Site audit inspection 6 November 2019	Groundwater - The Groundwater monitoring program has been implemented as outlined in the EMS. Quarterly sampling occurred from 2016 to 2019 in-line with the Surface Water and Groundwater monitoring and Response Plan. Sampling has occurred at four wells (P2, P3, P5 and P7). A review of monitoring results are provided in the 2016-2019 AEMRs Appendix H (2016, 2017) and Appendix I (2018, 2019).	No recommendations	Compliant
14.3		Monitor and record groundwater seepage on rock faces. To be undertaken by a geotechnical engineer.	Six monthly	AEMR Appendix B EMS (2016-2019) Site audit inspection 6 November 2019	Outlined in Section 14.12 of the EMS. Currently no action has needed to be undertaken according to SCCCR site manager.	No recommendations	Compliant
14.4		Monitor and record surface water quality within the extraction area sump, the water storage facility, the sediment containment structure and within Nowra Creek upstream and downstream of the Project-site discharge point.	Monthly	Surface Water and Ground Water Monitoring Response Plan (Appendix F, EMS)	Ongoing monitoring program exists	No recommendations	Compliant
14.5		Determine and record the quality of water pumped from the water storage facility to the bio-infiltration facility.	During each pumping campaign	Surface Water and Groundwater laboratory results AEMR (2016-2019)	Site inspection indicated that a new water treatment facility is currently being commissioned.	No recommendations	Compliant
14.6		Determine and record the quality of water discharged from the bio-infiltration facility to Nowra Creek.		NA	Site water from active areas is captured and treated for re-use, not offsite discharge.	No recommendations	Closed
14.7		Determine and record the quality of water flowing from the sediment containment structure to Nowra Creek.	During or immediately following significant rainfall events	NA	Site water from active areas is captured and treated for re-use, not offsite discharge.	No recommendations	Closed
14.8		Determine, using in-line meters, and record the volumes of water pumped: • from the extraction area sump to the water storage facility; • from the water storage facility to the bio-infiltration facility; and • from the bio-infiltration facility to Nowra Creek.	During pumping programs	NA	Site water from active areas is captured and treated for re-use, not offsite discharge.	No recommendations	Closed
14.9		Determine and record the volume of water used for extraction, processing, placement and rehabilitation-related operations.	Daily	Surface Water and Ground Water Monitoring Response Plan (Appendix F, EMS)	A water balance was conducted.	No recommendations	Compliant
14.10.	Ongoing monitoring of ecology-related impacts.	Undertake regular monitoring of areas undergoing rehabilitation to determine the success or otherwise of the management, mitigation and ameliorative measures and the rehabilitation programs.	Six monthly	Surface Water and Ground Water Monitoring Response Plan (Appendix F, EMS)	Site is currently still in extraction phase, however buffer areas are protected and continue to grow. Rehabilitated bunded and boundary areas are maintained for weeds.	No recommendations	Compliant
14.11		Take photographs from fixed points to document activities within the Project Site, including rehabilitation progress.		AEMR (2016-2019)	Photographs are taken from fixed locations.	No recommendations	Compliant
14.12		Undertake weed inspection programs.	Annually	AEMR (2016-2019)	Weed management is occurring on site	No recommendations	Compliant
14.13	Ongoing monitoring of air quality-related impacts.	Maintain the existing network of deposited dust monitoring gauges and determine and record dust deposition rates.	Monthly	AEMR (2016-2019)	Dust management is occurring on site	No recommendations	Compliant
14.14		Establish a meteorological station capable of measuring temperature at the surface and at a height of 10m, wind direction and speed and rainfall.	Within 3 months of receipt of project approval	Monitoring report indicates that monitoring is being conducted. Monitoring is not conducted at a height of 10m from the ground surface at the top of the site, however it is greater than 10m above the base of the excavation. Weather data is also obtained from BOM website.	Refer to Condition S3.16a in Table C1 (Compliance with DA07_0123).	No recommendations	Compliant
14.15	Ongoing monitoring of blasting-related impacts.	Monitor all blasts at the blast monitoring locations indicated on Figure 5.1.	Each blast	AEMR Appendix B EMS (2016-2019) Blast Management Plan (Appendix D, EMS) AEMR Appendix C Blasting Results (2016-2019) AEMR Section 3.1 (2016-2019)	Refer to Condition S3.5 in Table C1 (Compliance with DA07_0123). All blasts are monitored and results provided in Appendix C of the AEMR. No exceedances were reported in the AEMRs (2016-2019).	No recommendations	Compliant
15. Environmental Documentation							
15.1	A systematic set of documents are in place to guide	Incorporate the environmental procedures in an on-site management system.	Prior to relevant activity.	AEMR (2016-2019) Environmental Management documentation and management plans as required under the Project Approval	Plans were in place.	No recommendations	Compliant

15.2	the planning and implementation of all	Update the Mining Operations Plan.	As required.	Mining Operations Plan 2015-2021	MOP isn't required to be updated until 2021.	N/A	Compliant
15.3	environmental management strategies.	Incorporate relevant environmental data / information in Annual Environmental Management Reports.	Annually.	AEMR (2016-2019)	Relevant environmental data / information is incorporated into each AEMR including blasting results, water monitor and noise monitoring.	No recommendations	Compliant
15.4		Prepare the following environmental plans for the Project. - Air Quality Monitoring Program. - Noise Monitoring Program. - Blast Monitoring Program. - Flora and Fauna Management Plan. - Site Water Management Plan. - Groundwater Management Plan. - Rehabilitation and Landscape Management Plan	Variously.	Noise Monitoring Program/Blast Management Plan (Appendix D, EMS) Erosion and Sediment Control Plan (Appendix E, EMS) Surface Water and Groundwater Monitoring and Response Plan (Appendix F, EMS) Landscape and Biodiversity Management Plan (Appendix H, EMS) Air Quality Management Plan (Appendix I, EMS)	Environmental plans have been prepared for this project.	No recommendations	Compliant
15.5		Incorporate the environmental procedures in an on-site management system.	Prior to relevant activity.	Environemntal Management documentation and management plans as required under the Project Approval	Environmental plans and procedures have been prepared for this project.	Refer to Corrective Action (CA-5) related to site implementation of management plans.	Non Compliant

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SCCCR 2019 Compliance Audit					
Approval (ID)	Requirement	Evidence Collected	Audit Findings	Audit Recommendations	Compliance Status
1. Notice to Landholders					
1.a	Within a period of three months from the date of grant/renewal of this mining lease, the lease holder must serve on each landholder a notice in writing indicating that this mining lease has been granted/renewed and whether the lease includes the surface. A plan identifying each landholder and individual land parcel subject to the lease area, and a description of the lease area must accompany the notice.	N/A	This condition has been closed out.	N/A	Closed
1.b	If there are ten or more landholders, the lease holder may serve the notice by publication in a newspaper circulating in the region where the lease area is situated. The notice must indicate that this mining lease has been granted/renewed; state whether the lease includes the surface and must contain a plan and description of the lease area. If a notice is made under condition 1(b), compliance with condition 1(a) is not required.	N/A	This condition has been closed out.	N/A	Closed
2. Rehabilitation					
2.a	Any disturbance resulting from the activities carried out under this mining lease must be rehabilitated to the satisfaction of the Minister.	N/A	Noted	N/A	Compliant
3. Mining Operations Plan and Annual Rehabilitation Report					
3.a	The lease holder must comply with an approved Mining Operations Plan (MOP) in carrying out any significant surface disturbing activities, including mining operations, mining purposes and prospecting. The lease holder must apply to the Minister for approval of a MOP. An approved MOP must be in place prior to commencing any significant surface disturbing activities, including mining operations, mining purposes and prospecting.	This Table MOP 2015-2021	Refer to audit outcomes for conditions relating to this approval.	N/A	Compliant
3.b	The MOP must identify the post mining land use and set out a detailed rehabilitation strategy which: (i) identifies areas that will be disturbed; (ii) details the staging of specific mining operations, mining purposes and prospecting; (iii) identifies how the mine will be managed and rehabilitated to achieve the post mining land use; (iv) identifies how mining operations, mining purposes and prospecting will be carried out in order to prevent and or minimise harm to the environment; and (v) reflects the conditions of approval under: > the Environmental Planning and Assessment Act 1979; > the Protection of the Environment Operations Act 1997; and any other approvals relevant to the development including the conditions of this mining lease.	MOP 2015-2021	Strategy outlined in MOP	No recommendation	Compliant
3.c	The MOP must be prepared in accordance with the ESG3: Mining Operations Plan (MOP) Guidelines September 2013 published on the Department's website at www.resourcesandenergy.nsw.gov.au/miners-and-explorers/rules-and-forms/pgf/environmental-guidelines	MOP 2015-2021	Strategy prepared in accordance with the requirements of ESG3: Mining Operations Plan (MOP) Guidelines	No recommendation	Compliant
3.d	The lease holder may apply to the Minister to amend an approved MOP at any time.	Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	No amendments requested	No recommendation	Not-triggered

3.e	It is not a breach of this condition if: (i) the operations which, but for this condition 3(e) would be a breach of condition 3(a), were necessary to comply with a lawful order or direction given under the Environmental Planning and Assessment Act 1979, the Protection of the Environment Operations Act 1997, the Work Health and Safety (Mines and Petroleum Sites) Act 2013 and Work Health and Safety (Mines and Petroleum Sites) Regulation 2014 or the Work Health and Safety Act 2011; and Work Health and Safety Regulation 2011 (ii) the Minister had been notified in writing of the terms of the order or direction prior to the operations constituting the breach being carried out.	N/A	This condition has not been triggered.	N/A	Not-triggered
3.f	The lease holder must prepare a Rehabilitation Report to the satisfaction of the Minister. The report must: (i) provide a detailed review of the progress of rehabilitation against the performance measures and criteria established in the approved MOP; (ii) be submitted annually on the grant anniversary date (or at such other times as agreed by the Minister); and (iii) be prepared in accordance with any relevant annual reporting guidelines published on the Department's website at www.resourcesandenergy.nsw.gov.au/miners-andexplorers/rules-and-forms/pgf/environmental-guidelines Note: The Rehabilitation Report replaces the Annual Environmental Management Report.	MOP 2015-2021 (i) provide a detailed review of the progress of rehabilitation against the performance measures and criteria established in the approved MOP; (ii) be submitted annually on the grant anniversary date (or at such other times as agreed by the Minister); and (iii) be prepared in accordance with any relevant annual reporting guidelines published on the Department's website at www.resourcesandenergy.nsw.gov.au/miners-andexplorers/rules-and-forms/pgf/environmental-guidelines Note: The Rehabilitation Report replaces the Annual Environmental Management Report.	Rehabilitation outlined in MOP The operations are currently based on extraction. Rehabilitation is a future phase.	No recommendation	Compliant
4. Non-Compliance Reporting					
4.a	The lease holder must notify the Department upon becoming aware of any breaches of the conditions of this mining lease or breaches of the Mining Act or Regulations;	Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	This condition has not been triggered.	N/A	Not-triggered
4.b	Notifications under condition 4(a) must be provided in the form specified on the Department's website within seven (7) days of the mining lease holder becoming aware of the breach.	Pers. Comm SCCCR Site Manager and Environmental Representative during site inspection 06/11/2019	This condition has not been triggered.	N/A	Not-triggered
5. Environmental Incident Report					
5.a	The lease holder must provide environmental incident notifications and reports to the Secretary no later than seven (7) days after those environmental incident notifications and reports are provided to the relevant authorities under the Protection of the Environment Operations Act 1997.	EPA letter 28/10/19 SCCCR complaints spreadsheet: AEMR Appendix J (2016-2017), AEMR Appendix K (2018-2019).	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.	No recommendations	Compliant
6. Resource Recovery					
6.a	The lease holder must optimise recovery of the minerals that are the subject of this mining lease to the extent economically feasible.		Noted	No recommendation	Compliant
7. Group Security					
7.a	The lease holder is required to provide and maintain a security deposit to secure funding for the fulfilment of obligations of all or any kind under the mining lease, including obligations of all or any kind under the mining lease that may arise in the future. The amount of the security deposit to be provided as a group security has been assessed by the Minister at \$493,000. The leases covered by the group security include: Mining Lease No. 5087 (Act 1906) Mining Lease No. 6322 (Act 1906)	Not Audited	Not Audited	N/A	Not audited
8. Cooperation Agreement					

8.a	<p>The lease holder must make every reasonable attempt, and be able to demonstrate its attempts, to enter into a cooperation agreement with the holder(s) of any overlapping title(s). The cooperation agreement should address but not be limited to issues such as:</p> <ul style="list-style-type: none"> > access arrangements > operational interaction procedures > dispute resolution > information exchange > well location > timing of drilling > potential resource extraction conflicts; and > rehabilitation issues. 		<p>There are no overlapping titles, however SCCCr has demonstrated ongoing cooperation with neighbours such as the Nowra Remand Facility</p>	N/A	Compliant
Exploration Reporting					
	<p>Note: Exploration Reports (Geological and Geophysical) The lease holder must lodge reports to the satisfaction of the Minister in accordance with section 163C of the Mining Act 1992 and in accordance with clause 59 of the Mining Regulation 2016. Reports must be prepared in accordance with Exploration Reporting: A guide for reporting on exploration and prospecting in New South Wales.</p>	Not Audited	Not Audited	N/A	Not-Audited

Appendix D

DPIE Letter: Approval of Auditors

D1 DPIE Letter: Approval of Auditors



Mr Budd Green
Quarry Manager
SCCCR Quarries
PO Box 192
OAK FLATS NSW 2529
Email: Budd@scccrquarries.com.au

Dear Mr Green

**Nowra Brickworks Quarry (MP 07_0123)
Approval of Independent Environmental Auditors**

I refer to your email of 23 September 2019 requesting the Secretary's approval of the appointment of experts to conduct an independent environmental audit of the Nowra Brickworks Quarry as required by condition 13(a) of Schedule 5 of MP 07_0123.

The Secretary approves the appointment of the following suitably qualified, experienced and independent team of experts from ARUP to conduct the audit:

- Mr Tim Cook as lead auditor; and
- Ms Alice Smith and Mr Joshua Montford to support Mr Cook.

Should you have any enquiries in relation to this matter, please contact Melissa Anderson on the details above.

Yours sincerely,



11/10/19

Matthew Spratt
A/Director
Resource Assessments
as nominee of the Secretary

cc: Tim.Cook@arup.com
Environment@scccrquarries.com.au