



NGH

Audit Report

Coraki Quarry SSD 7036

May 2021

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Acronyms and abbreviations

ASL	Above sea level
AHD	Australian Height Data
BC Act	<i>Biodiversity Conservation Act 2016 (NSW)</i>
Biosecurity Act	<i>Biosecurity Act 2015 (NSW)</i>
CEMP	Construction environmental management plan
DPIE	Department of Planning, Industry and Environment (NSW)
EEC	Endangered ecological community – as defined under relevant law applying to the proposal
EES	Environment, Energy and Science (NSW), Division of DPIE (formerly OEH, and, prior, DECCW)
EIS	Environmental impact statement
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999 (Cwth)</i>
EP&A Act	<i>Environmental Planning and Assessment Act 1979 (NSW)</i>
ESD	Ecologically Sustainable Development
FM Act	<i>Fisheries Management Act 1994 (NSW)</i>
Heritage Act	<i>Heritage Act 1977 (NSW)</i>
KIS	KIS Quarries Pty Ltd
km	kilometres
LALC	Local Aboriginal Land Council
LEP	Local Environment Plan
m	metres
NES	Matters of National Environmental Significance under the EPBC Act (<i>c.f.</i>)
OEH	(Former) Office of Environment and Heritage (NSW) (now EES)
SSD	State Significant Development

Executive summary

KIS operates Coraki Quarry, located adjacent to Seelems Road and Petersons Quarry Road, Coraki. The project was approved on the 18 April 2016. The approval allows the extraction and processing of up to 1 million tonnes of quarry products per year until June 2023.

The requirement for this independent audit is detailed in Schedule 5 Condition 10 of the approval.

This is the second independent audit of the project. The audit consisted of document review, site visit, staff interviews and reporting and analysis.

The audit period for this audit is from the submission of the last independent audit report undertaken during March and April 2018 and submitted to the Department on the 16 May 2018 to the date of site audit on the 13 May 2021.

The audit found that the quarry is largely operating within the requirements of the consent and the EPL. In summary the audit found that the project is

- complying with 54 conditions
- 21 conditions were not triggered for this audit period
- 5 non compliances were noted.

The audit found that the project team has a well established presence on the site, stemming from an excellent site history and is very aware of the project's impacts and management measures. Site environmental management practices were being well implemented. The site is well contained, with key environmental risks such as noise, dust, blasting, transport management and stormwater being well managed.

1. Introduction

1.1 Background

KIS Quarries (KIS) have been operating the Coraki Quarry since 1 July 2020, prior to this date the quarry was owned and operated by Quarry Solutions. The Coraki Quarry is located adjacent to Seelems Road and Petersons Quarry Road, Coraki. The project was approved on the 18 April 2016. The approval allows the extraction and processing of up to 1 million tonnes of quarry products per year until June 2023.

The requirement for the independent audit is detailed in Schedule 5 Condition 10 of the approval.

1.2 Audit team

Natascha Arens and Erwin Budde were nominated by KIS Quarries via Groundwork Plus as the independent auditors for the project.

Natascha Arens is an exemplar Global Certified lead auditor and has over 25 years of experience as an environmental professional. Natascha undertook the site audit, document review, analysis and reporting.

Erwin has around 20 years of professional experience and is also an Exemplar Global Certified auditor. Erwin will provide project support and QA review.

1.3 Audit Objectives

As detailed in Schedule 5 Condition 10 of the approval, KIS is required to undertake an Independent Environmental Audit of the Coraki Quarry every three years (from October 2016). The objective of the audit is to check compliance with the consent conditions and the Environment Protection Licence (EPL).

This audit objectives are to:

- Undertake the audit in consultation with the relevant agencies;
- Assess the environmental performance of the development and whether it is complying with the relevant requirements in this consent and any relevant EPL or necessary water licences for the development (including any assessment, strategy, plan or program required under these approvals)
- Review the adequacy of strategies, plans or programs required under the abovementioned approvals
- Recommend appropriate measures or actions to improve the environmental performance of the development, and/or any assessment, strategy plan or program required under the abovementioned approvals
- Be conducted and reported to the satisfaction of the Secretary.

1.4 Audit Scope

As required under SSD_7036 the audit scope included

- Assessment of compliance with the conditions of approval for SSD 7036 including Mod 1, Mod 2 and Mod 3.

- Assessment of the implementation and adequacy of strategies, plans and programs required under the PA and EPL.

Monitoring and environmental performance, along with compliance with reporting requirements, were evaluated against:

- Project Approval PA SSD_7036
- Statement of commitments made in the Environmental Assessment (EA) for the site
- Environmental Protection Licence (EPL) 3397
- Observations made during audit activities on site.

It should be noted that the requirements of the EPL are incorporated into the conditions and management plans.

1.5 Audit Period

The audit period for this audit is from the submission of the last independent audit report undertaken during March and April 2018 and submitted to the Department on the 16 May 2018 to the date of site audit on the 13 May 2021.

2. Audit Methodology

2.1 Selection and endorsement of the audit team

DPIE endorsed the proposed audit team in a letter dated 15 March 2021.

2.2 Independent Audit scope development

The audit scope as developed during the preparation of the Audit program. This involved:

1. Reviewing the SSD 7036 Conditions including modifications (Mod 1, 2 and 3)
2. Reviewing the Independent Audit – Post Approval requirements (2020)
3. Consultation with agencies
4. A desktop audit of documentation
5. A desktop review of the approved Environmental Management Plans
6. Reviewing the Audit Table (Appendix A)

2.3 Site interviews

Site interviews were undertaken with

- Jim Lawler – Groundwork Plus environmental manager
- Peter Roberts – Director KIS quarries and Coraki Quarry manager
- Ellee Storer – Site administrator

2.4 Site inspections

A site inspection was undertaken on the 13 May 2021. Areas inspected during the audit included:

- Quarrying and crushing activities (from the viewing platform)
- Internal roads
- Stockpile areas
- Maintenance sheds
- Waste storage bins
- Site sheds and site entrance signage
- Basins
- Boundary bunds (from the viewing platform)
- Biodiversity protection zones (from the viewing platform)

2.5 Consultation

Consultation was undertaken with:

- Department of Planning, Infrastructure and Environment
- Richmond Valley Council
- EPA
- Murray Payne (former Quarry Solutions Manager)

2.6 Compliance status descriptors

The compliance descriptors used in this report are:

Compliant	Requirement has been met
Non-Compliant	Requirement has not been met
Not Triggered	Requirement not relevant to the current stage of work

3. Audit Findings

3.1 Approval and document list

The following documents were reviewed during this audit

- SSD 7036 Conditions including modifications (MOD 1, 2 and 3)
- Environmental Management Plan (September 2016)
- Environmental Management Strategy (EMS) (revised October 2019)
- Noise Management Plan (29 October 2019)
- Blast Management Plan (November 2017)
- Air Quality Management Plan (November 2017)
- Water Management Plan (February 2018)
- Transport Management Plan (October 2017)
- Aboriginal Cultural Heritage Management Plan (ACHMP) (November 2017)
- Biodiversity and Rehabilitation Management Plan (February 2018)
- Independent Audit – Post Approval requirements (DPIE 2020)
- Noise Compliance Review (NCR) MWA Environmental December 2016
- 2018 Annual review (20 May 2019 – Prepared by Groundwork Plus on behalf of Quarry Solutions)
- 2019 Annual review (April 2020 – Prepared by Groundwork Plus on behalf of Quarry Solutions)
- 2020 Annual review (March 2021 – Prepared by Groundwork Plus on behalf of KIS)
- TTM Traffic engineering (May 2021) Draft Coraki Quarry, Coraki NSW – Traffic Road Safety Audit

The following monitoring data and reports were reviewed during this audit

- Monitoring data on [Coraki document display | Emonitoring](#)
- Blast data from 2018 – 2021 located here: [Peterson | Emonitoring](#)
- Dust monitoring data located here [Peterson | Emonitoring](#)
- Product Sold vs Production Report for 2018, 2019 and 2020
- Weather Station Data
- Induction sign on sheet for induction undertaken on 12/5/2021
- Induction package 2021
- Weighbridge data regarding truck movements on 15/7/2019 15/7/2020, 7/05/2021
- Quarterly Noise monitoring reports from June 2018 – March 2021, prepared by MWA Environmental
- Monthly traffic data located here [Coraki document display | Emonitoring](#)
- Text correspondence to neighbours notifying of blasts
- Blast sheet for the 26/04/21
- Shot blast report for 25 November 2020 (Ron Southon Pty Ltd).
- Pre start checks were reviewed for 11/5/2021 Volvo excavator Model # 480DL

- Drivers Code of Conduct (Attachment 2 of the Transport Management Plan)
- Richmond Waste Services records 2018, 2019
- Complaint and incident procedure notification forms date 28.8.2018,11,10.18 & 30.4.2019
- Flyover documents 18AHD dated 26 June 2020

The following correspondence was reviewed during this audit

- DPIE correspondence approving Noise Management Plan dated 13 November 2019
- EPA complaint and incident report – 12 February 2019
- Letter from DPIE re accepting 2020 annual review dated 11 May 2021
- Letter to DPIE dated 18 September 2020 requesting SEARs for extension of the Petersons Quarry to include Coraki Quarry
- Secretary’s environmental assessment requirements (SEARS) for proposed development dated 7 December 2020
- Minter Ellison Letter dated 2 July 2020 re transfer of Conservation and Rehabilitation Bond
- DPIE letter re approval of Conservation Bond dated 25 June 2018
- DPIE auditor endorsement letter dated 15 March 2021
- Coraki and District News Feb 2019

3.2 Compliance performance

Out of a total of 80 conditions there were 54 compliances, five non-compliances and 21 conditions that were not triggered. The table below summarises the results.

Compliance	Schedule 2	Schedule 3	Schedule 4	Schedule 5	totals
Compliant	12	29	1	12	54
Non Compliant	1	3	0	1	5
Not triggered	8	9	3	1	21
Total	21	41	4	14 (and two notes)	80

3.3 Summary of agency notices, orders, penalty notices or prosecutions

There have been no agency notices, orders, penalty notices or prosecutions during this audit period.

3.4 Non-compliances

Condition	Ministers Condition of Consent	Findings 2021 Audit	Audit Recommendation						
Schedule 2 -Administrative Conditions									
2	<p>Terms of Consent;</p> <p>The Applicant must carry out the development:</p> <ul style="list-style-type: none"> a) Generally in accordance with the EIS, SEE (MOD 1) and SEE (MOD 2); SEE (MOD 3) and the Development Layout; and b) In accordance with the Statement of Commitments and conditions of this consent. <p><i>Note: The Applicant's Statement of Commitments is reproduced in Appendix 1 of Ministers consent.</i></p>	<p>There have been five (inclusive of COA 2) non-compliances raised (as detailed in the NCs below) and as such the auditor has also raised a non-compliance against this condition. It is noted that the actions required to address the noise non-compliance have since been closed out and there have been no exceedances of noise limits since March 2019.</p> <p>The bond required under Schedule 3 COA 34 was lodged in May 2019 and the requirement to review strategies in response to the incident in 2018 has been resolved by subsequent review of strategies (Schedule 5 COA 3).</p>	All non compliances have been addressed and no further action is required.						
Schedule 3 – Environmental Performance Conditions									
4	<p>NOISE;</p> <p>Noise Impact Assessment Criteria</p> <p>The Applicant must ensure that the noise generated by the development does not exceed the criteria in Table 3 at any residence on privately-owned land.</p> <p><small>Table 3: Noise criteria dB(A)</small></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #d3d3d3;">Receiver</th> <th style="background-color: #d3d3d3;">Day dB(A) (L_{Aeq}15 min)</th> <th style="background-color: #d3d3d3;">Evening dB(A) (L_{Aeq}15 min)</th> </tr> </thead> <tbody> <tr> <td>All privately-owned residences</td> <td style="text-align: center;">35</td> <td style="text-align: center;">35</td> </tr> </tbody> </table> <p><small>Note: Receiver locations are shown on the figure in Appendix 3.</small></p> <p>Noise generated by the development is to be measured in accordance with the relevant requirements and exemptions (including certain meteorological conditions) of the <i>NSW Industrial Noise Policy</i>. Appendix 4 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 3 do not apply if the Applicant has an agreement with the relevant landowner to exceed the noise criteria, and the Applicant has advised the EPA and the Secretary in writing of the terms of this agreement.</p>	Receiver	Day dB(A) (L _{Aeq} 15 min)	Evening dB(A) (L _{Aeq} 15 min)	All privately-owned residences	35	35	<p>The audit reviewed results from quarterly noise monitoring undertaken between June 2018 – March 2021. Exceedances were noted in the following reports:</p> <p>June 2018 non compliances on a number of occasions – attributed to the main crusher plant.</p> <p>Quarry Solutions committed to an interim noise mitigation measure to not operate the main crushing plant prior to 8am when winds from the south-westerly, westerly and north-westerly directions are present until it is determined that the significant noise enhancing conditions evident in the Winter and early Spring period have passed.</p> <p>September 2018 non-compliance recorded on one monitoring day, subsequent monitoring in the same period noted no further exceedance.</p> <p>March 2019 Non-compliant for single measurements at R2 and R3 obtained prior to the crushing plant breakdown.</p>	All noise non compliances have been addressed and no further action is required.
Receiver	Day dB(A) (L _{Aeq} 15 min)	Evening dB(A) (L _{Aeq} 15 min)							
All privately-owned residences	35	35							

Condition	Ministers Condition of Consent	Findings 2021 Audit	Audit Recommendation
		<p>Noise from the crushing and screening plant was the dominant quarry noise influence during the measurements at R2 and R3.)</p> <p>Further noise monitoring in June and October 2019 confirmed operational noise had returned to compliant levels. A revised noise management plan was submitted to DPIE on 20 June 2019 and subsequently approved by DPIE by letter dated 13 November 2019.</p> <p>While it is noted that exceedances have occurred, the audit found that the development is being operated in accordance with the noise management plan.</p>	
6	<p>NOISE;</p> <p>Noise Management Plan</p> <p>The Applicant must prepare a Noise Management Plan for the development to the satisfaction of the Secretary. This plan must:</p> <ul style="list-style-type: none"> a) Be prepared in consultation with EPA; b) Be submitted to the Secretary within 6 months of the date of this consent, or prior to the commencement of operations, whichever is earlier, unless otherwise agreed by the Secretary; c) Describe the measures that would be implemented to ensure: <ul style="list-style-type: none"> a) Compliance with the noise criteria in this consent; b) Best practice management is being employed to minimise operational noise from the development; and c) The noise impacts of the development are minimised during meteorological conditions under which the noise criteria in this consent do not apply (see Appendix 4); d) Describe the proposed noise management system, including the establishment of acoustic bunds (as shown on the plan in Appendix 5) and other noise controls; and e) Include a monitoring program to be implemented to measure noise from the development against the noise criteria in Tables 3, and which evaluates and reports on the effectiveness of the noise management system of the development. 	<p>Noise Management Plan (dated 29 October 2019) was prepared and approved in response to MOD 3 (approved by DPIE on 13 November 2019). This plan is the current plan and the audit found that it is being implemented. However, as this condition requires that the plan be implemented to ensure Compliance with the noise criteria in this consent, and there have been a number of exceedances a non-compliance against the condition has been raised.</p>	<p>All noise non compliances have been addressed and no further action is required.</p>

Condition	Ministers Condition of Consent	Findings 2021 Audit	Audit Recommendation
	The Applicant must implement the management plan as approved by the Secretary.		
34	<p><i>BIODIVERSITY AND REHABILITATION; Conservation and Rehabilitation Bond</i></p> <p>Within 6 months of the approval of the Biodiversity and Rehabilitation Management Plan, the Applicant must lodge a Conservation and Rehabilitation Bond with the Department to ensure that the management of biodiversity and the rehabilitation of the lands associated with the development are implemented in accordance with the performance and completion criteria set out in the Biodiversity and Rehabilitation Management Plan. The sum of the bond must be determined by:</p> <ul style="list-style-type: none"> a) Calculating the cost of rehabilitating the lands associated with the development taking into account the likely surface disturbance over the next 3 years of quarrying operations; and b) Employing a suitably qualified quantity surveyor or other expert to verify the calculated costs, to the satisfaction of the Secretary. <p><i>Note: If the rehabilitation of the site is completed to the satisfaction of the Secretary, then the Secretary will release the bond. If the rehabilitation of the site is not completed to the satisfaction of the Secretary, then the Secretary will call in all or part of the bond, and arrange for the completion of the relevant works.</i></p>	<p>The Bond has been transferred from Quarry solutions to KIS.</p> <p>The Bond had not been lodged by the due date of 5 October 2018 (six months from approval of the Biodiversity and rehabilitation plan on 6 March 2018), therefore this has been raised as a non-compliance with this condition.</p> <p>The bond was lodged with DPIE in May 2019</p>	The bond has been lodged and therefore no further action is required.
Schedule 5 – Environmental management and monitoring			
3	<p>ENVIRONMENTAL MANAGEMENT</p> <p><i>Revision of Strategies, Plans and Programs;</i></p> <p>Within 3 months of the submission of an:</p> <ul style="list-style-type: none"> a) Incident report under condition 7 below; b) Annual review under condition 9 below; c) Audit report under condition 10 below; and d) Any modifications to this consent, 	A non-compliance has been raised against this condition as there was no review of the strategies and plans in response to the 2018 noise incidents. All other reviews under this condition have occurred.	Strategies and plans have subsequently been reviewed therefore no further action is required.

Condition	Ministers Condition of Consent	Findings 2021 Audit	Audit Recommendation
	<p>The Applicant must review the strategies, plans and programs required under this consent, to the satisfaction of the Secretary. Where this review leads to revisions in any such document, then within 4 weeks of the review the revised document must be submitted for the approval of the Secretary.</p> <p><i>Note: 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 development.</i></p>		

3.5 Previous audit recommendations

NC	Section of report	Details	Status
NC 2018/001	3.1.1	The Processing Area for the quarry is not in the same location as that presented in the EIS (COA 2.2)	The change in the processing area was included in MOD 3 and therefore this NC is Closed
NC 2018/002	3.1.2	Non compliance with noise criteria listed in Table 3 of COA3.4.	A further non-compliance has been raised against this condition.
ANC 2018/003	3.1.2	Blast data was not available on the website at the time of the site audit. It is noted that this data is now available on the website. (COA 3.9 and COA 5.8)	Closed – blast data is available on the website
ANC 2018/004	3.1.2	Waste was not reported on in the 2016 annual review (COA 3.37)	Closed – waste has been reported in the 2018 and 2019 annual review.
NC 2018/005	3.1.2	The inspection for the annual review on 28 February 2018 by Groundwork plus noted that liquid storage was not appropriate, therefore there has been a non compliance with COA 3.38. This had been rectified by the time of the site inspection for this independent environmental audit and all liquids were stored in a bunded locked container.	Closed
ANC 2018/006	3.1.2	Not all SDS were GHS compliant and some were older than 5 years (COA3.39)	Closed The audit notes that hazardous substances are no longer stored on site and that maintenance contractors are required to bring fuels and other required materials to site and remove at the end of works.

3.6 EMP, Sub-plans and compliance documents

The environmental management at the site is governed by the following documents:

- Environmental Management Plan (September 2016)
- Environmental Management Strategy (EMS) (revised October 2019)
- Noise Management Plan (29 October 2019)

- Blast Management Plan (November 2017)
- Air Quality Management Plan (November 2017)
- Water Management Plan (February 2018)
- Transport Management Plan (October 2017)
- Aboriginal Cultural Heritage Management Plan (ACHMP) (November 2017)
- Biodiversity and Rehabilitation Management Plan (February 2018)

In addition the following monitoring or checking of compliance is undertaken:

- Quarterly Noise Compliance monitoring and reporting (June 2018 – March 2021)
- Complaints register
- Monthly Traffic Monitoring (to December 2020 is available on the website)
- Monthly Dust monitoring
- Blast monitoring data
- Inspection sheets

The audit found that all management plans are being implemented and are adequate for the type and stage of work. Key findings are highlighted below.

Noise Management

Quarterly Noise monitoring is occurring as required by the plan. While the audit notes that there have been some non compliances in relation to exceedances of noise levels, Quarry Solutions/ KIS have been responsive and proactive in undertaking further monitoring and implementation of recommendations of the Noise Consultant.

Where noise exceedances have occurred, adjacent landholders have been notified as required by the plan.

Other implemented requirements of the plan include:

- Equipment maintenance
- Working hours
- Internal road maintenance and 40km.hr speed limit

Blast Management Plan

As required by the Blast Management Plan, the site has a dedicated weather station, each blast is monitored to ensure compliance with the criteria in Condition 8 Table 4 of the consent, no more than two blast occur in each calendar month, a blast procedure is in place and included in induction materials to ensure the safety of staff, others and livestock. Landowners affected by blasts are landowners associated with Quarry (e.g. Council) and the wider community surrounding the quarry have signed an agreement that they don't require notification of each blast.

Air Quality

The audit found that dust is being managed in accordance with the management plan. A water truck was observed during the site visit, dampening road surfaces, as was the sprinkler system on the crusher. Dust monitoring results indicate there have been no exceedances of criteria and

monitoring is occurring monthly. A weather station is on site to monitor meteorological conditions that may affect air quality as a result of crushing and stockpiling or blasting.

Water Management

The audit found that the water management plan is being implemented. No monitoring has been required as water from the basins is reused on site for dust suppression. Surface drains are in place separating clean water from dirty water and there was no evidence of offsite impacts as a result of the operation of the quarry.

Transport Management

A road safety audit was completed in May 2021 and found that transport is being managed in accordance with the TMP.

The audit reviewed weighbridge data which is available on the project website. The data is recorded daily and aggregated into monthly figures. A desktop calculation using average daily figures, indicates that the daily movements are not exceeded (e.g. October 2019 by employing sched 3 C#2 had an average of 207.7 trucks per day).

The quarry has and continues to operate under condition 2 of Schedule 3.

The weighbridge does not allow more than 31 trucks per hour. The audit sighted truck summary report per hour recorded for the weighbridge for the 15 July 2019, which was noted as a high production month and the highest trucks per hour recorded was 22.

Aboriginal Cultural Heritage

There are two Aboriginal Heritage non disturbance zones noted in the plan. The audit noted that these sites are outside of the impact area and clearly excluded from operational areas. The sites are also marked on A1 Sensitive Area posters located in site sheds.

Biodiversity and Rehabilitation

The site inspection noted (refer to Appendix E) that no disturbance to the *Macadamia tetraphylla* Stands or Hoop Pine Dry Rainforest community has occurred and that these areas are clearly excluded as required by the management plan.

Progressive rehabilitation has not yet commenced because terminal benches have not been reached.

3.7 Environmental performance

The audit found that the site is being managed to achieve good environmental performance. While there have been a number of exceedances in relation to noise and one complaint in the audit period, the proponent has been responsive to investigate the cause of incidents and has implemented corrective action.

The site staff understand the limits within the conditions around blasting requirements, noise generation, generation of dust, traffic management and release of water. There are technology solutions to manage vehicle routes and tracking of haul routes and the weighbridge is calibrated so that laden trucks do not exceed the per hour limit defined in the approval. The physical limits of the quarrying area are clearly marked both on site and via A1 posters on crib walls and in the induction

materials. The sensitive areas for biodiversity and heritage are marked as exclusion zones and also represented on A1 plans in site sheds and induction materials (Appendix E, Figure 6).

3.8 Consultation outcomes

DPIE responded to the email sent on the 11 May 2021 requesting that the audit give consideration to the requirements for the end of life process as the approval for the quarry expires in June 2023. DPIE requested particular attention be given to how rehabilitation and water quality are performing against the requirements of the relevant management plans.

The audit reviewed the Biodiversity and Rehabilitation Plan and notes the following in relation to rehabilitation.

Progressive rehabilitation has not yet commenced because terminal benches have not been reached.

Works are underway to lodge a development application for the extension of the Petersons Quarry to use the areas of disturbance of the Coraki Quarry. It is intended that the Petersons Quarry would continue to operate over the Coraki Quarry area and therefore take on the long term rehabilitation obligations for the site.

The auditor was provided with a copy of the SEARS for this proposed development.

Water quality on site is managed via surface drains separating clean water from site water. All site water is either held within the excavated quarry pit or drains to basins. There has been no release of water from basins as water from basins is reused on site for dust suppression.

EPA responded to the email sent by NGH on the 10 May 2021 stating that the enquiry had been passed on to the relevant personnel, however to date no response has been received.

Richmond Valley Council responded to the email correspondence on the 11 May 2021 requesting that the audit cover compliance with the EPL # 3397. The EPL is held by Petersons Quarry. The requirements of the EPL in relation to extraction limits, air blast overpressure, blasting hours, noise limits, vibration, basin requirements, hours of operation, and complaints are the same as those listed in the ministers conditions. Aside from the non-compliance raised in relation to noise (refer to section 3.4 above) all other Licence conditions have been met.

3.9 Complaints

There has been one complaint in this reporting period relating to dust. The complaint was in January 2019 and came via the EPA. Quarry Solutions reviewed dust monitoring data for the period and noted that there were no recorded exceedances.

3.10 Incidents

Three exceedances of noise criteria and one dust complaint have been recorded as incidents in this audit reporting period. All incidents have been reported in accordance with Schedule 5 Condition 7.

In summary these included:

June 2018 noise non compliances on a number of occasions – attributed to the main crusher plant. Subsequently Quarry Solutions committed to an interim noise mitigation measure to not operate the main crushing plant prior to 8am when winds from the south-westerly, westerly and

north-westerly directions are present until it is determined that the significant noise enhancing conditions evident in the Winter and early Spring period have passed.

September 2018 noise non-compliance recorded on one monitoring day, subsequent monitoring in the same period noted no further exceedance.

March 2019 Non-compliant for single noise measurements at R2 and R3 obtained prior to the crushing plant breakdown. Noise from the crushing and screening plant was the dominant quarry noise influence during the measurements at R2 and R3.)

Further noise monitoring in June and October 2019 confirmed operational noise had returned to compliant levels. A revised noise management plan was submitted to DPIE on 20 June 2019 and subsequently approved by DPIE by letter dated 13 November 2019.

In addition, the dust complaint outlined in Section 3.9 above was also recorded as an incident.

3.11 Actual vs predicted impacts

A review of relevant sections of the EIS was undertaken to ascertain expected impacts during operations. Additionally, a review of management plans was undertaken to compare actual vs predicted impacts. Generally, the actual impacts were consistent with the predicted impacts.

In particular noise monitoring has been undertaken on a quarterly basis since the commencement of operations. Results have generally been consistent with those determined and predicted during assessments undertaken for the EIS. Some non-compliances with targets have occurred but these have been dealt with in line with the management plan requirements.

The EIS predicted that there could be some impacts as a result of basting and therefore recommended management strategies to be implemented. These strategies have been transferred to the management plan and have been implemented.

The Project footprint in the EIS is the same as that currently implemented for operations (with consideration to the MOD 3).

3.12 Site inspection

The site inspection was undertaken on 13 May 2021. The inspection was conducted with the KIS Quarry Manager and the Groundwork Plus environment manager for the quarry. The whole site was inspected. Bunds demarking site boundaries were in place. Quarry operations were occurring and are still well within the approved excavation areas. Surface drains were in place managing site water and directing dirty water to basins. The quarry area itself also acts as a water storage area in times of high rainfall (Appendix E). Water carts were observed onsite managing dust, as were sprinklers at the crushing plant. Stockpiles were clearly marked. The weighbridge was noted to be manned at all times. The site entrance includes signage regarding speed limits, site contacts and working hours.

3.13 Site interviews

The results of site interviews are detailed in the Audit table, evidence column.

3.14 Previous Annual Review or Compliance Report recommendations

The 2019 Annual Review was submitted to DPIE on 20 March 2020. DPIE responded by letter dated 3 April 2020 requesting additional information be included into the 2019 Annual Review. A revised Annual Review with the additional information was submitted to DPIE on 9 April 2020. DPIE accepted the 2019 Annual Review by letter dated 8 May 2020. The DPIE review requested:

Details of the volumes of the various wastes being managed. Waste volumes (a waste register) be included in future Annual Returns as was committed to by Quarry Solutions (included as Attachment 3 in the updated review)

Include a heading titled “Independent Audit” and provide details about implementation of the action plan as an outcome of the most recent independent audit (i.e. has everything been implemented as per the action plan); and identify when the next audit is scheduled; This has been added to the review as Section 9.

Include a heading “Incidents and Non-compliances” and provide details including the measured noise levels relating to the reported noise non-compliance as are identified in the Departments Annual Review Guideline; included as Section 11 in the annual review.

Include in Section 8.1 Complaints, details of the dust complaint reported in the project complaints register for the 31 January 2019; included as Section 8 in the annual review.

Update the Coraki Quarry website to comply with Schedule 5, Condition 12 of the Consent, to enable blasting, dust and noise data to be publicly available on its website. The audit found that this is now included on the Website.

3.15 Improvement opportunities

The audit found that the site has been managed well and plans are being implemented. There are no key improvement opportunities as a result of the audit however two minor improvements have been made. Currently there is no documented evidence that staff are regularly made aware of the requirement not to quarry below 18AHD. The audit recommended that the requirement of the 18AHD level could be added to toolbox discussions.

It is required by the statement of commitments for the project that educational visits are facilitated by the quarry. As there is no documented evidence that KIS have provided opportunities for educational site visits by local schools and other community groups, the audit recommends that this occurs.

3.16 Key strengths

The auditor notes the following key strengths:

- The project team has a well established presence on the site, stemming from an excellent site history and is very aware of the project’s impacts and management measures.
- The Project’s compliance team (Groundwork Plus) is well organised, with information readily available.
- Site environmental management practices were being well implemented. The site is well contained, with key environmental risks such as noise, dust, blasting, transport management and stormwater being well managed.
- Housekeeping and site cleanliness was excellent.

4. Recommendations

4.1 Non-compliances

No further actions are required for the 5 non compliances identified in this audit.

4.2 Opportunities for improvement

Two recommendations have been made as a result of this audit:

- The requirement to quarry only to the 18AHD level could be added to toolbox discussions.
- As there is no documented evidence that KIS have provided opportunities for educational site visits by local schools and other community groups, the audit recommends that this occurs.

5. Conclusion

The audit found that the quarry is largely operating within the requirements of the consent and the EPL. In summary the audit found that the project is

- complying with 54 conditions
- 21 conditions were not triggered for this audit period
- 5 non compliances were noted.

The audit found that the project team has a well established presence on the site, stemming from an excellent site history and is very aware of the project's impacts and management measures. Site environmental management practices were being well implemented. The site is well contained, with key environmental risks such as noise, dust, blasting, transport management and stormwater being well managed.

Appendix A Audit table

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT	
SCHEDULE 2- ADMINISTRATIVE CONDCTIONS						
1	<p>Obligation to Minimise Harm to the Environment;</p> <p>In addition to meeting the specific performance criteria established under this consent, the Applicant must implement all reasonable and feasible measures to prevent and/or minimise any material harm to the environment that may result from the construction, operation, or rehabilitation of the development.</p>	<p>The proponent has completed all practical measures to minimise harm to the environment.</p>	C		C	
2	<p>Terms of Consent;</p> <p>The Applicant must carry out the development:</p> <p style="margin-left: 20px;">c) Generally in accordance with the EIS, SEE (MOD 1) and SEE (MOD 2); SEE (MOD 3) and the Development Layout; and</p> <p style="margin-left: 20px;">d) In accordance with the Statement of Commitments and conditions of this consent.</p> <p><i>Note: The Applicant's Statement of Commitments is reproduced in Appendix 1 of Ministers consent.</i></p>	<p>The proponent has generally carried out activities in accordance with the EIS, SEE (MOD 1), SEE (MOD 2), Statement of Conditions and conditions of this consent.</p> <p>It was observed that the processing area for Coraki Quarry is not in the location as shown in the approved EIS. The processing area is located centrally within the site outside of the designated area on the approved plans and EIS. The processing area is currently in the flat area at the face of the quarry cut, it is contained and is in a very similar receiving environment to that proposed in the original EIS. Refer to Pate 1 and 2 in appendix B.</p> <p>Quarry Solutions have commissioned Groundwork Plus to prepare a modification application.</p>	NC	<p>This audit table.</p> <p>E-monitoring results</p> <p>Coraki document display Emonitoring</p> <p>Implementation of management plans including:</p> <ul style="list-style-type: none"> • EMS (approved 24 January 2018, revised October 2019) • Air Quality Management Plan (approved 24 January 2018) • Transport Management Plan (approved 24 January 2018) • Blast Management Plan (approved 24 January 2018) • Aboriginal Cultural 	<p>The proponent has generally carried out activities in accordance with the EIS, SEE (MOD 1), SEE (MOD 2), Change to location of processing plant (MOD 3) Statement of Conditions and conditions of this consent.</p> <p>There have been five (inclusive of COA 2) non-compliances raised (as detailed in the NCs below) and as such the auditor has also raised a non-compliance against this condition. It is noted that the actions required to address the noise non-compliance have since been closed out and there have been no exceedances of noise limits since March 2019.</p> <p>The bond required under Schedule 3 COA 34 was lodged in May 2019 and the requirement to review strategies in</p>	NC

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
				<p>Heritage Management Plan (approved 24 January 2018)</p> <ul style="list-style-type: none"> Biodiversity and Rehabilitation Management Plan (approved 6 March 2018) Noise Management Plan (approved 29 October 2019) Water Management Plan (approved 6 March 2018) 	response to the incident in 2018 has been resolved by subsequent review of strategies (Schedule 5 COA 3).	
3	<p>Terms of Consent;</p> <p>If there is any inconsistency between the above documents, the most recent document must prevail to the extent of the inconsistency. However, the conditions of this consent must prevail to the extent of any inconsistency.</p>	No inconsistencies found.	C	Document review	No inconsistencies found.	NT
4	<p>Terms of Consent;</p> <p>The Applicant must comply with any reasonable requirement/s of the Secretary arising from the Department's assessment of:</p> <p>a) Any strategies, plans, programs, reviews, audits, reports or correspondence that are submitted in accordance with this consent;</p> <p>b) Any reviews, reports or audits undertaken or commissioned by</p>	<p>The proponent has generally complied with the site management plans. The following plans have been implemented:</p> <ul style="list-style-type: none"> EMS (approved 24 January 2018) Air Quality Management Plan (approved 24 January 2018) Transport Management Plan (approved 24 January 2018) Blast Management Plan (approved 24 January 2018) Aboriginal Cultural Heritage 	C	<p>The following plans have been submitted and approved:</p> <ul style="list-style-type: none"> EMS (approved 24 January 2018) Air Quality Management Plan (approved 24 January 2018) Transport Management Plan (approved 24 January 2018) Blast Management Plan (approved 24 January 2018) 	<p>The proponent has complied with the site management plans.</p> <p>The Noise Management Plan has been updated to reflect the changed layout in MOD 3.</p> <p>There have been a number of non-compliance in relation to noise. These are detailed in Schedule 3 COA 4, a non-compliance has been raised against this condition</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	the Department regarding compliance with this consent; or c) The implementation of any actions or measures contained in these documents.	Management Plan (approved 24 January 2018) • Biodiversity and Rehabilitation Management Plan (approved 6 March 2018) • Noise Management Plan (approved 6 March 2018) • Water Management Plan (approved 6 March 2018)		<ul style="list-style-type: none"> • Aboriginal Cultural Heritage Management Plan (approved 24 January 2018) • Biodiversity and Rehabilitation Management Plan (approved 6 March 2018) • Noise Management Plan (approved 29 October 2019) • Water Management Plan (approved 6 March 2018) 		
5	Lapsing of Consent; If the development has not been physically commenced within 5 years of the date of this consent, then this development consent must lapse.	The quarry is operational. Quarrying operations commenced on 10 October 2016.	NT		Quarrying operations commenced on 10 October 2016.	NT
6	Limits on Consent; Quarrying Operations The Applicant may carry out quarrying operations for the development until 30 June 2023. <i>Note: Under this consent, the Applicant is required to rehabilitate lands associated with the development and carry out additional undertakings to the satisfaction of the Secretary. Consequently, this consent will continue to apply in all other respects other</i>		NT		The time period has not lapsed	NT

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
	<i>than the right to conduct quarrying operations until the rehabilitation of lands associated with the development and those undertakings have been carried out to a satisfactory standard.</i>				
7	<p>Limits on Consent;</p> <p>Quarrying Operations</p> <p>The Applicant must not extract materials outside of the Extraction Area, or stockpile materials outside of the Stockpile Area and Temporary Stockpile Area, as shown in Appendix 2; nor extract materials below 18 metres AHD.</p>	<p>Rover (GPS) on site spots the floor benchmark of extraction. Discussions with staff indicates that this is done daily, however no data is from the GPS is downloaded.</p> <p>The <i>IMS – Quarry Safety and Environmental Checklist</i> under Item 12.0 (Site Management) includes a monthly check of extraction remaining under 18m AHD. This is checked with the rover GPS (January 2018 checklist sighted).</p> <p>An aerial flyover is undertaken every 6 months to confirm levels of extraction and stockpile volumes for reconciliation of weighbridge data.</p> <p>Discussion with the Quarry Manager outlined that the current Petersons Quarry is at 17 m AHD. Therefore Coraki staff know that visually Coraki Quarry needs to be higher.</p>	<p>C</p> <p>Induction sign on sheet sighted for induction undertaken on 12/5/2021.</p> <p>Flyover documents 18AHD dated 26 June 2020.</p>	<p>The quarry has been designed to limit extraction to above 18 AHD.</p> <p>Rover (GPS) on site spots the floor benchmark of extraction. Discussions with staff indicates that this is done daily, however no data is from the GPS is downloaded.</p> <p>When drilling for blasting – drillers are instructed not to go below 18AHD. This is a verbal requirement, however it is included in the induction.</p> <p>Aerial monitoring of AHD is occurring is annually to double check floor height.</p> <p><i>The audit recommended that the requirement of the 18AHD level could be added to toolbox discussions.</i></p>	C
8	<p>Limits on Consent;</p> <p>Quarrying Operations</p> <p>The Applicant must not extract or process more than 1 million tonnes of quarry products in any calendar year.</p>	<p>'Product Sold vs Production Report' printout for current 2018 period (1-1-2018 to 6-3-2018) outlines current extraction at 143,143 tonnes. At current extraction rates this indicates that annual extraction would be under 1 million tonnes.</p> <p>The Annual Review for 10-10-2016 to 31-12-2016 outlines production volume of 151,303.91 tonnes, mostly from overburden removal and</p>	<p>C</p> <p>Product Sold vs Production Report for 2018, 2019 and 2020</p> <p>2018 –995438 Tonnes</p> <p>2019 990642. Tonnes</p> <p>2020 229558 tonnes.</p> <p>No production in 2021 – just selling stockpiled material from</p>	<p>The audit found that extraction does not exceed the 1 million tonnes in any calendar year.</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
		set up of site.	previous years		
9	<p>Quarry Products Transport</p> <p>The Applicant must not dispatch from the development more than 31 laden trucks per hour or more than:</p> <ul style="list-style-type: none"> a) 231 laden trucks per day (Monday to Friday); and b) 105 laden trucks per day (Saturday), unless operating in accordance with condition 2 of Schedule 3, in which case the Applicant may dispatch up to 273 laden trucks per day (Monday to Saturday). <p><i>Note: in this condition, 'per hour' means any 60 minutes following the change of hour.</i></p>	<p>Truck dispatch and movements monitored with 'i-Weigh' software on site.</p> <p>Drivers 'tag' on in the morning and receive a 'ticket' on the weighbridge to be later paid for load. If truck movements are over 30 an hour, or loads exceed weight limits, the software will not issue a ticket to the driver. If loads are outside of agreed hours of construction the software will also not issue a ticket. Software was agreed to with RMS as the Coraki Quarry was set up as a delivery partner to supply material to the Woolgoolga to Ballina Pacific Highway Upgrade.</p> <p>Coraki has agreements with surrounding residents for increased operating hours. Current agreed to operating hours are 6am – 7pm Monday – Saturday. The following residents have signed agreements to the amended operating hours:</p> <ul style="list-style-type: none"> • 1905 Casino-Coraki Road, Coraki • 65 Spring Hill Road, Coraki • 140 Newmans Road, Coraki • 325 Lagoon Road, West Coraki • 75 Spring Hill Road, Coraki • 50 Spring Hill Road, Coraki • 285 Lagoon Road, West Coraki • 95 Spring Hill Road, Coraki • 200 Lagoon Road, Coraki <p>The dump truck sheets from the load haul records the amounts in tonnes sent through the crushing plant. Loaders tally production and</p>	<p>C</p> <p>Truck dispatch and movements monitored with 'i-Weigh' software on site.</p> <p>Monthly monitoring data is available on Coraki document display Emonitoring and aggregated into monthly figures. A desktop calculation using average daily figures, indicates that the daily movements are not exceeded (e.g. October 2019 by employing sched 3 C#2 had an average of 207.7 trucks per day).</p> <p>The quarry has and continues to operate under condition 2 of Schedule 3.</p> <p>The weighbridge does not allow more than 31 trucks per hour. The audit sighted truck summary report per hour recorded for the weighbridge for the 15 July 2019, which was noted as a high production month and the highest trucks per hour recorded was 22.</p>	<p>A review of monthly monitoring data. weighbridge data and staff interviews indicates that this condition is being met.</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
		<p>calculate totals daily.</p> <p>Monthly checklist makes reference to '21' trucks per hour. It is recommended that this be updated to be '31' as per Limits in Schedule 2 COA 9.</p>			
10	<p>Structural Adequacy;</p> <p>The Applicant 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.</p> <p><i>Notes:</i></p> <p>a) <i>Under Part 4A of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for the proposed building works; and</i></p> <p>b) <i>Part 8 of the EP&A Regulation sets out the requirements for the certification of the development.</i></p>	<p>Weighbridge and all other structures were pre-existing and used for the Petersons Quarry. New buildings for the Coraki Quarry include the two demountables which are used as site offices. Demountables were purchased through 'Retracom' and are designed to Building Code Australia standards. Condition report from purchase (18-2-2016) sighted.</p>	C		NT
11	<p>Demolition;</p> <p>The Applicant must ensure that all demolition work is carried out in accordance with <i>Australian Standard AS 2601-2001: The Demolition of Structures</i>, or its latest version.</p>	N/A – no demolition.	NT		NT
12	<p>Protection of Public Infrastructure;</p> <p>Unless the Applicant and the applicable authority agree otherwise, the Applicant</p>	<p>To date no damage outside of the requirements of the contribution to council in COA 17 have been required to be repaired.</p>	C		NT

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p>must:</p> <ul style="list-style-type: none"> a) Repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the development; and b) Relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development. <p><i>Note: This condition does not apply to any damage to roads caused as a result of general road usage or otherwise addressed by contributions required of condition 17 of this consent.</i></p>					
13	<p>Operation of Plant and Equipment;</p> <p>The Applicant must ensure that all the plant and equipment used at the site is:</p> <ul style="list-style-type: none"> a) Maintained in a proper and efficient condition; and b) Operated in a proper and efficient manner. 	<p>'Fleet Office' software implemented on site; daily pre-starts and scheduled maintenance. Maintenance spreadsheet 'fleet office' viewed. Records equipment number, job card, priority, description and status of maintenance (open/closed).</p> <p>Daily pre-start checked for CAT loader (22/2/18) Checked the fleet office to see if defect had been recorded. Fleet office record sighted and equipment had been taken offline.</p> <p>Reviewed daily plant inspection lists for a range of plant and equipment in Feb and March 2018 and the inspection lists recorded defect items.</p> <p>Pre-starts scanned and sent to maintenance</p>	<p>C</p> <p>Pre start checks were reviewed for 11/5/2021 Volvo excavator Model # 480DL checked the vehicle for defects. Two items were noted as requiring maintenance (spot lights on roof and bent railing). The maintenance requirement then gets diarised.</p> <p>The site visit inspected the plant maintenance areas and interviews with the Peter Roberts – Director KIS quarries and Coraki Quarry manager indicate that maintenance is</p>	<p>The audit found that there are systems in place to ensure that plant and equipment are maintained and operated efficiently.</p>	C	

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
		<p>department who check for enviro/safety risks etc. Then entered into maintenance planner.</p> <p>Maintenance undertaken at night (outside of operating hours) and conducted internally.</p>	largely outsourced.		
14	<p>Production Data;</p> <p>The Applicant must:</p> <ul style="list-style-type: none"> a) Provide 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 (see condition 9 of Schedule 5). 	<p>Email to DRG sighted and sent on 26/10/2017. Attachment included completed form signed by Murray Payne dated 25/10/2017 including the return for extractive materials or the 2016/2017 financial year.</p> <p>Annual Review for 10-10-2016 to 31-12-2016 outlines production volume of 151,303.91 tonnes, mostly from overburden removal and set up of site. Available on Coraki Quarry website.</p>	<p>C</p> <p>2018 Annual review 2019 Annual Review 2020 Annual review</p>	The quarry production data, including a copy of the Form S1 is attached the annual review.	C
15	<p>Identification of Approved Extraction Limits;</p> <p>By 30 November 2017, or one month prior to commencement of extraction from Lot 1 DP1225621, whichever is earlier, unless otherwise agreed by the Secretary, the Applicant must:</p> <ul style="list-style-type: none"> a) Engage a registered surveyor to mark out the boundaries of the approved limits of extraction; and b) Submit a survey plan of these boundaries with applicable GPS coordinates 	<p>Email to DOP Compliance outlining the new survey plan (to include Lot 1 DP1225621).</p> <ul style="list-style-type: none"> a) Kennedy Surveying was engaged to mark out boundaries (sketch included in email) b) GPS coordinates provided to DOP in email dated 2/9/2017. 	C	Completed in the previous audit period.	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	to the Secretary.					
16	<p>Identification of Approved Extraction Limits;</p> <p>While quarrying operations are being carried out, the Applicant must ensure that these boundaries are clearly marked at all times in a manner that allows operating staff to clearly identify the approved limits of extraction.</p>	Boundary markers evident on site and on plans.	C	<p>Site visit</p> <p>Induction package</p>	<p>A site visit was able to confirm that the large bund at the top of the quarry clearly marks the boundary of the site. Boundary markers are present at the top of this bund.</p> <p>The induction material include the boundary on clear maps (poster size).</p>	C
17	<p>Contributions to Council;</p> <p>The Applicant must pay to Council a contribution of \$1.12 per tonne of quarry products transported from the development for the maintenance of the local road network. The contribution must be paid quarterly and indexed in line with the provisions of the <i>Richmond Valley Council Section 94 Heavy Haulage Plan 2013</i> or any subsequent relevant contributions plan adopted by Council.</p> <p><i>Note: If the parties are unable to agree on any aspect of the maintenance contributions, either party may refer the matter to the Secretary for resolution.</i></p>	The audit reviewed road user chargers records from Oct 2016 – Feb 2018. Rate up until July 2017 was 1.124. This has now been adjusted to 1.146. Total amount paid to Richmond Valley Council is \$864,828.37.	C	<p>Remittance notice from Richmond Valley Council 7 May 2021</p> <p>The audit reviewed the P & L March 2021 and noted that monthly contributions are provisioned for.</p> <p>Further consultation was undertaken with council as part of this audit and no comments were raised with regard to outstanding contributions.</p>	Richmond Valley Council remittance notices indicates that quarterly contributions are being paid.	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
18	Crown Roads; The Applicant must obtain approval for the closure of the Crown road on the eastern boundary of Lot 401 DP 633427 prior to undertaking the development within the area of the road.	Closure of roads was approved as evidenced in Department of Primary Industry – Lands letter dated 27/7/2016 and Certificate of Title dated 16/2/2017 (Torrens title reference 1/1225621).	C		This was completed prior during the previous audit.	C
19	Compliance; The Applicant must ensure that all employees, contractors and sub-contractors are aware of, and comply with, the conditions of this consent relevant to their respective activities.	Driver Induction and Quarry Site Induction forms were provided and reviewed during the site audit. The inductions outline conditions of this consent. All completed induction forms are filed and kept on site.	C	Induction sign on sheet sighted for induction undertaken on 12/5/2021. Posters of management plan requirements in site facilities (refer photos)	The audit found that relevant requirements of the consent were provided via the induction, A1 posters on site walls and driver inductions.	C
20	APPLICABILITY OF GUIDELINES References in the conditions of this consent 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 consent.					NT
21	However, consistent with the conditions of this consent and without altering any limits or criteria in this consent, the Planning Secretary may, when issuing directions under this consent in respect of ongoing monitoring and management obligations, require compliance with an updated or revised version of such guidelines, protocol, Standard or policy,			No directions received		NT

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT									
	or a replacement of them.													
SCHEDULE 3- ENVIRONMENTAL PERFORMANCE CONDITIONS														
1	<p>NOISE;</p> <p>Hours of Operation</p> <p>The Applicant must comply with the operating hours set out in Table 1.</p> <p><small>Table 1: Operating Hours</small></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #d9d9d9;">Activity</th> <th style="background-color: #d9d9d9;">Permissible Hours</th> </tr> </thead> <tbody> <tr> <td>Quarrying operations including truck loading and dispatch</td> <td>7 am to 6 pm Monday to Friday 8 am to 1 pm Saturday; and At no time on Sundays or Public Holidays</td> </tr> <tr> <td>Blasting</td> <td>9 am to 3 pm Monday to Friday At no time on Saturdays, Sundays or Public Holidays</td> </tr> <tr> <td>Maintenance activities</td> <td>May be conducted at any time provided that they are not audible at any private residence</td> </tr> </tbody> </table>	Activity	Permissible Hours	Quarrying operations including truck loading and dispatch	7 am to 6 pm Monday to Friday 8 am to 1 pm Saturday; and At no time on Sundays or Public Holidays	Blasting	9 am to 3 pm Monday to Friday At no time on Saturdays, Sundays or Public Holidays	Maintenance activities	May be conducted at any time provided that they are not audible at any private residence	<p>Current agreement with landholders for Quarry operating hours is 6am – 7pm Monday to Saturday.</p> <p>Land owner consents were sighted from:</p> <ul style="list-style-type: none"> 1905 Casino – Coraki Road, Coraki (28/1/16) 65 Spring Hill Road Coraki (28/1/16) 140 Newmans Road (LOT 401), Coraki (28/1/16) 325 Lagoon Road, West Coraki (28/1/16) 75 Spring Hill Road, Coraki (30/11/15) 50 Springhill Road, Coraki (30/1/15) 285 Lagoon Road, West Coraki (28/1/16) 95 Spring Hill Road, Coraki (29/1/16) 200 Lagoon Road, West Coraki (10/?/16) 	C	<p>A check of the weighbridge data shows that there are no truck movements before 6am or after 5pm</p> <p>Checked on the 15/7/2019 15/7/2020, 7/05/2021</p>	<p>Induction material and weighbridge data indicate that the proponent is operating the quarry within the operating house of the consent.</p>	C
Activity	Permissible Hours													
Quarrying operations including truck loading and dispatch	7 am to 6 pm Monday to Friday 8 am to 1 pm Saturday; and At no time on Sundays or Public Holidays													
Blasting	9 am to 3 pm Monday to Friday At no time on Saturdays, Sundays or Public Holidays													
Maintenance activities	May be conducted at any time provided that they are not audible at any private residence													

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT							
2	<p>NOISE;</p> <p>Hours of Operation</p> <p>The Applicant may operate under the extended operating hours set out in Table 2 only after obtaining written agreements with landowners R1 to R9 (as shown on the plan in Appendix 3), and after advising the EPA and the Secretary in writing of the terms of these agreements.</p> <table border="1"> <caption>Table 2: Extended Operating Hours</caption> <thead> <tr> <th>Activity</th> <th>Permissible Hours</th> </tr> </thead> <tbody> <tr> <td>Quarrying operations including truck loading and dispatch</td> <td>6 am to 7 pm Monday to Friday 6 am to 7 pm Saturday; and At no time on Sundays or public holidays</td> </tr> <tr> <td>Maintenance activities</td> <td>May be conducted at any time</td> </tr> </tbody> </table>	Activity	Permissible Hours	Quarrying operations including truck loading and dispatch	6 am to 7 pm Monday to Friday 6 am to 7 pm Saturday; and At no time on Sundays or public holidays	Maintenance activities	May be conducted at any time	<p>As above; written current agreement with landholders was provided during audit.</p> <p>EPA and DPE email dated the 16 September 2016 was sighted showing evidence of notification of the extended hours.</p>	C		<p>Landholders have not changed since the previous audit period.</p>	C
Activity	Permissible Hours											
Quarrying operations including truck loading and dispatch	6 am to 7 pm Monday to Friday 6 am to 7 pm Saturday; and At no time on Sundays or public holidays											
Maintenance activities	May be conducted at any time											
3	<p>NOISE;</p> <p>Hours of Operation</p> <p>The following activities may be carried out on the site at any time:</p> <ul style="list-style-type: none"> • Delivery or dispatch of materials as requested by Police or other authorities; and • Emergency work to avoid the loss of lives, property and/or to prevent environmental harm. <p>In such circumstances, the Applicant must notify the Secretary and affected residents prior to undertaking the activities, or as soon as is practical thereafter.</p>	<p>None of this type of work has been undertaken to date.</p>	NT	Staff interviews	<p>None of this type of work has been undertaken to date.</p>	NT						

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT								
4	<p>NOISE;</p> <p>Noise Impact Assessment Criteria</p> <p>The Applicant must ensure that the noise generated by the development does not exceed the criteria in Table 3 at any residence on privately-owned land.</p> <table border="1"> <caption>Table 3: Noise criteria dB(A)</caption> <thead> <tr> <th>Receiver</th> <th>Day dB(A) (L_{Aeq}(15 min))</th> <th>Evening dB(A)</th> <th>Night dB(A)</th> </tr> </thead> <tbody> <tr> <td>All privately-owned residences</td> <td>35</td> <td></td> <td></td> </tr> </tbody> </table> <p><small>Note: Receiver locations are shown on the figure in Appendix 3.</small></p> <p>Noise generated by the development is to be measured in accordance with the relevant requirements and exemptions (including certain meteorological conditions) of the <i>NSW Industrial Noise Policy</i>. Appendix 4 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 3 do not apply if the Applicant has an agreement with the relevant landowner to exceed the noise criteria, and the Applicant has advised the EPA and the Secretary in writing of the terms of this agreement.</p>	Receiver	Day dB(A) (L _{Aeq} (15 min))	Evening dB(A)	Night dB(A)	All privately-owned residences	35			<p>Noise compliance monitoring is undertaken quarterly by MWA Environmental at 9 residential locations. Reports provided and viewed for September and December 2017.</p> <p>September monitoring 2017: Exceedances at R2 and R3 were measured at monitoring conducted prior to 9am. Report outlines that noise influence was “crushing and screening plant noise”. It was noted that screening noise was significantly louder than had been measured and observed at this residence previously. The report outlined that inspections of site at 8:15am with the Quarry Manager found that a mobile ‘Powerscreen’ plant was the dominant noise source.</p> <p>The ‘Powerscreen’ plant was then shutdown and further noise monitoring was conducted at 8:25am. The noise level at R2 was lower however remained non-compliant. Noise monitoring conducted at R3 was not valid as wind speeds were greater than 3 m/s.</p> <p>Further noise monitoring was undertaken between 10:15 am and 10:40am at residences R2 and R3 and were complaint with noise limits.</p> <p>‘Complaint and Incident Procedure’ form provided to EPA and DPE dated 5/12/17 (signed by Murray Payne) describing noise exceedance (as per the requirements of Schedule 5 COA 7). Actions taken involved turning off ‘Powerscreen’ mobile plant and incident was toolboxed with relevant employees. The area has been delineated for future works if required.</p>	<p>NC</p> <p>Quarterly Noise monitoring reports from June 2018 – March 2021, prepared by MWA environmental</p> <p>Coraki document display Emonitoring</p>	<p>The audit reviewed results from June 2018 – March 2021. Exceedances were noted in the following reports:</p> <p>June 2018 non compliances on a number of occasions – attributed to the main crusher plant. MWA environmental (noise consultants) were subsequently engaged to investigate and came up with the following recommendations:</p> <ul style="list-style-type: none"> Quantification of source sound power levels for the main crushing plant commissioned in early 2018. Quarry Solutions committed to an interim noise mitigation measure to not operate the main crushing plant prior to 8am when winds from the south-westerly, westerly and north-westerly directions are present until it is determined that the significant noise enhancing conditions evident in the Winter and early Spring period have passed. <p>September 2018 non-compliance recorded on one monitoring day, subsequent monitoring in the same period noted no further exceedance.</p> <p>March 2019 Non-compliant with the for the single measurements at R2 and R3 obtained prior to the crushing plant breakdown i.e. no second</p>	NC
Receiver	Day dB(A) (L _{Aeq} (15 min))	Evening dB(A)	Night dB(A)										
All privately-owned residences	35												

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
		<p>Planning and EPA were notified of the non-compliance in accordance with COAs.</p> <p>Next monitoring being conducted 31 March 2018.</p> <p>Although this has been raised a non-compliance with the noise criteria, Quarry Solutions implemented all requirements in accordance with the Non-conformance process and no further action is required. Quarry solutions undertook the following actions to address the noncompliance:</p> <ul style="list-style-type: none"> • Found the source of the noise non-compliance (Crushing and screening plant noise) – mobile powerscreen • Isolated and shut down noisy equipment • Undertook further monitoring <p>Reported the non-compliance to the EPA and DPE</p>		<p>measurements were obtained to confirm outcomes due to plant breakdown. Noise from the crushing and screening plant was the dominant quarry noise influence during the measurements at R2 and R3.)</p> <p>Further noise monitoring in June and October 2019 confirmed operational noise had returned to compliant levels. A revised noise management plan was submitted to DPIE on 20 June 2019 and subsequently approved by DPIE by letter dated 13 November 2019.</p> <p>While it is noted that exceedances have occurred, the audit found that the development is being operated in accordance with the noise management plan.</p>	
5	<p>NOISE;</p> <p>Operating Conditions</p> <p>The Applicant must:</p> <ol style="list-style-type: none"> a) Implement best practice management to minimise the operational and road transportation noise of the development; b) Minimise the noise impacts of the development during meteorological conditions when the noise criteria in this consent do not apply (see Appendix 4); 	<p>A & b) The Noise Management Plan is implemented across site and demonstrates best practice and details what should and shouldn't occur during certain meteorological conditions.</p> <p>Noise Management Plan was submitted to Secretary on 22 November 2017. Noise MP was approved 6 March 2018.</p> <p>C) Noise monitoring is conducted quarterly by MWA Environmental.</p> <p>d) Quarry Solutions has engaged an acoustic consultant to conduct and review the noise</p>	<p>C</p> <p>A & b) The Noise Management Plan (dated 29 October 2019) was prepared and approved in response to MOD 3 (approved by DPIE on 13 November 2019) is implemented across site and demonstrates best practice and details what should and shouldn't occur during certain meteorological conditions.</p> <p>The changes to the NMP addressed the requirement to</p>	<p>The audit found that the proponent is response to noise exceedances as they arise. Although there have been exceedances, they have been dealt with in accordance with the requirements of the plan.</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
	<p>c) After the commencement of quarrying operations at the development, carry out noise monitoring (at least every 3 months, or as otherwise agreed with the Secretary) to determine whether the development is complying with the relevant conditions of this consent; and</p> <p>d) Regularly assess noise monitoring data and modify and/or stop operations associated with the development to ensure compliance with the relevant conditions of this consent, to the satisfaction of the Secretary.</p> <p><i>Note: Required frequency of noise monitoring may be reduced if approved by the Secretary.</i></p>	<p>findings and the effectiveness of the current noise mitigation measures that are implemented on site. Quarterly noise reports are prepared by the consultant. Sighted at the audit were June, Sept and December 2017 reports). A summary of any investigations will be reported in future Annual Reviews.</p>	<p>include addition measures raised as a result of non-compliances during monitoring events</p> <p>C) Noise monitoring is conducted quarterly by MWA Environmental.</p> <p>d) quarterly noise monitoring results are summarised in a report and are provided here</p> <p>Coraki document display Emonitoring</p>		
6	<p>NOISE;</p> <p>Noise Management Plan</p> <p>The Applicant must prepare a Noise Management Plan for the development to the satisfaction of the Secretary. This plan must:</p> <p>f) Be prepared in consultation with EPA;</p> <p>g) Be submitted to the Secretary within 6 months of the date of this consent, or prior to the commencement of operations, whichever is earlier, unless otherwise agreed by the Secretary;</p> <p>h) Describe the measures that</p>	<p>a) Email provided from EPS dated 9 September 2016 providing comment on Noise MP.</p> <p>b) Noise MP submitted to Secretary on 22 November 2017</p> <p>c) Site specific noise measures are outlined in Noise MP. Noise Management Plan is implemented across site and demonstrates best practice and details what should and shouldn't occur during certain meteorological conditions.</p> <p>d) Earth bunds and acoustic barriers are present on site and compliant with Noise Screening map prepared by MWA Environmental (Noise and Dust Impact Assessment 23/9/2015)</p> <p>e) Noise monitoring is conducted quarterly by MWA Environmental.</p>	<p>C</p> <p>NMP dated 29 October 2019</p> <p>DPIE Letter approving NMP dated 13 November 2019</p>	<p>Noise Management Plan (dated 29 October 2019) was prepared and approved in response to MOD 3 (approved by DPIE on 13 November 2019). This plan is the current plan and the audit found that it is being implemented. However, as this condition requires that the plan be implemented to ensure Compliance with the noise criteria in this consent, and there have been a number of exceedances a non-compliance against the condition has been raised.</p>	NC

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p>would be implemented to ensure:</p> <ul style="list-style-type: none"> d) Compliance with the noise criteria in this consent; e) Best practice management is being employed to minimise operational noise from the development; and f) The noise impacts of the development are minimised during meteorological conditions under which the noise criteria in this consent do not apply (see Appendix 4); i) Describe the proposed noise management system, including the establishment of acoustic bunds (as shown on the plan in Appendix 5) and other noise controls; and j) Include a monitoring program to be implemented to measure noise from the development against the noise criteria in Tables 3, and which evaluates and reports on the effectiveness of the noise management system of the development. <p>The Applicant must implement the management plan as approved by the Secretary.</p>					

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
7	<p>NOISE;</p> <p>Noise Compliance Review</p> <p>The Applicant must commission a Noise Compliance Review for the development within 3 months of commencement of operations or as otherwise agreed with the Secretary. The review must be undertaken to the satisfaction of the Secretary and:</p> <ul style="list-style-type: none"> a) Be undertaken by a suitably qualified and experienced acoustic engineer during a period when the quarry is operating; b) Assess whether the development is complying with the noise limits in this consent; c) Include the details of the plant and equipment operating at the time of the review; d) Identify any additional measures to be implemented to ensure compliance; and e) Provide details of any complaints received in relation to noise generated by the development and the action taken in response to those complaints. <p>Within one month of receiving the Noise Compliance Review report, or as otherwise agreed by the Secretary, the Applicant must submit a copy of the report to the Secretary, with a response to any recommendations contained in the report.</p>	<ul style="list-style-type: none"> a) Noise Compliance Review (NCR) prepared by MWA Environmental in December 2016 for exceedance in September 2016. Review was conducted onsite on 2 December 2016 in normal quarrying operations (Section 4.1 of NCR) b) NCR concluded that quarry noise was assessed to be compliant with the noise limit specified in Condition 4 of Development Consent and Condition L4 of the EPL at residences R1, R2, R3, R6, and R7 considering the 5 db(A) exceedance allowed for in agreements with relevant landholders c) Section 4.1 of NCA outlines details of plant and equipment operating on 2 December 2016 d) Additional measures outlined include moving the crushing and screen plant to a more suitable location within the existing Petersons Quarry pit in the near future e) Quarry Solutions Pty Ltd has advised that no noise complaints have been received in relation to the Coraki Quarry 	<p>C</p> <p>Noise Compliance Review (NCR) prepared by MWA Environmental in December 2016</p>	<p>This was completed in the previous audit period.</p>	<p>C</p>

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT									
8	<p>BLASTING;</p> <p>Blasting Criteria</p> <p>The Applicant must ensure that blasting associated with the development does not cause any exceedance of the criteria in Table 4.</p> <table border="1"> <caption>Table 4: Blasting criteria</caption> <thead> <tr> <th>Receiver</th> <th>Airblast overpressure (dB(Lin Peak))</th> <th>Ground vibration (mm/s)</th> </tr> </thead> <tbody> <tr> <td></td> <td>120</td> <td>10</td> </tr> <tr> <td>Any residence on privately-owned land</td> <td>115</td> <td>5</td> </tr> </tbody> </table> <p>However, these criteria do not apply if the Applicant has a written agreement with the relevant owner to exceed the limits in Table 4, and the Applicant has advised the Department in writing of the terms of this agreement.</p>	Receiver	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)		120	10	Any residence on privately-owned land	115	5	<p>Blast reports for 21 November and 15 December 2016 provided. Prepared by Ron Southon Pty Ltd and include blast monitor (Instantel) trigger report.</p> <p>November blast recorded db(Linear) at 109.3dB and ground vibration of 0.999 mm/s which is compliant with consent.</p> <p>December blast recorded db(Linear) at < 88db and ground vibration of 2.189 mm/s which is compliant with consent.</p>	<p>C</p> <p>Blast monitoring data is provided here:</p> <p>Peterson Emonitoring</p>	<p>There have been no exceedances of blasting criteria.</p>	C
Receiver	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)												
	120	10												
Any residence on privately-owned land	115	5												
9	<p>BLASTING;</p> <p>Blasting Frequency</p> <p>The Applicant may carry out a maximum of 2 blasts per calendar month, unless with the prior approval of the Secretary or unless an additional blast is required following a blast misfire. This condition does not apply to blasts required to ensure the safety of workers on site or other persons.</p> <p><i>Note: For the purposes of this condition a blast refers to a single blast event, which may involve a number of individual blasts</i></p>	<p>The audit verified that no more than 2 blasts are undertaken per month. A link to 'Emonitoring' data for Peterson Quarry shows blast data. It was noted during the audit that the blast data is not available or linked on the Quarry Solutions website. However, since the audit e-monitoring data for Coraki Quarry is linked under the Petersons Quarry webpage as Coraki is reported as part of the Petersons EPL.</p> <p>In the period from 10 May 2017 to 17 November 2017 only 8 blasts were undertaken.</p> <p>Blast data was not available at the time of the site audit. It is noted that this has since been</p>	<p>AN C</p> <p>All blasts are monitored. Data is here</p> <p>Peterson Emonitoring</p> <p>Blast data reviewed for the audit from 2018 - 2021</p>	<p>There are three monitoring locations for Coraki Quarry</p> <p>A review of the data showed no exceedance of 2 blasts per calendar year.</p>	C									

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
	<i>fired in quick succession in a discrete area of the quarry.</i>	completed			
10	<p>BLASTING;</p> <p>Operating Conditions</p> <p>During blasting operations, the Applicant must implement best practice management to:</p> <p>I. Protect the safety of people and livestock in the areas surrounding blasting operations;</p> <p>II. Protect public or private infrastructure/property in the surrounding area from damage from blasting operations;</p> <p>a) Minimise the dust and fume emissions of blasting;</p> <p>b) Operate a suitable system to enable the local community to get up-to-date information on the proposed blasting schedule for the development;</p> <p>c) Obtain agreement with any private land owner affected by blast exclusion zones that are required to manage flyrock; and</p> <p>d) Carry out regular monitoring to determine whether the development is complying with the relevant conditions of this consent, to the satisfaction of the Secretary.</p>	<p>Blast Management Plan, supplemented by site induction details best practice.</p> <p>a) Dust and fume emissions are minimised by spraying as detailed in Section 9 of the Blast Management Plan. Blasting is not permitted in weather conditions that would increase dust and fume emissions.</p> <p>b) 'Petersons Quarry' sign at the entrance to quarry which outlines contact details.</p> <p>c) Landowners affected by blasts are landowners associated with Quarry (e.g. Council). Regardless the wider community surrounding the quarry have signed an agreement that they don't require notification of each blast.</p> <p>d) Monitoring conducted (including dust deposition and meteorological conditions).</p>	<p>C</p> <p>Blast data reviewed for the audit from 2018 – 2021</p> <p>Sighted Text message to neighbours notifying blast</p> <p>Blast sheet for the 26/04/21 sighted at audit</p> <p>Dust monitoring results</p> <p>Peterson Emonitoring</p>	<p>The audit found that these measures are implemented for blasting.</p> <p>There has been one complaint in relation to dust. This is discussed further under COA 12 below.</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
11	<p>BLASTING;</p> <p>Blast Management Plan</p> <p>The Applicant must prepare a Blast Management Plan for the development to the satisfaction of the Secretary. This plan must:</p> <ul style="list-style-type: none"> a) Be submitted to the Secretary for approval within 6 months of the date of this consent, or prior to the commencement of blasting, whichever is earlier, unless otherwise agreed by the Secretary; b) Describe the measures that would be implemented to ensure compliance with the blast criteria and operating conditions of this consent; c) Include measures to manage flyrock; d) Include a monitoring program for evaluating and reporting on compliance with the blasting criteria in this consent; e) Include community notification procedures for the blasting schedule; and f) Include a protocol for investigating and responding to complaints. <p>The Applicant must implement the management plan as approved by the Secretary.</p>	<ul style="list-style-type: none"> a) Blast Management Plan submitted to Secretary on 22 November 2017 and approved 24 January 2018 b) Measures are outlined in Section 9 of the Blast Management Plan. Control and mitigation measures are included for: ground vibration, airblast overpressure (air blast), flyrock, dust and blast fumes. Mitigation measures are implemented on site. Weather conditions are monitored and blasts are only conducted in favourable conditions. Also evidence of water suppression being used to manage blast fumes and dust caused my blasting. Maintenance records for water truck viewed while on site. c) Measures to manage flyrock are included in Section 7.4 and 9.3 of Blast Management Plan d) Shot blast reports are prepped for blasting events to test for compliance with the criteria. Random shot blast reports were reviewed at the time of the audit, including for blasts on 21/11/16 and 15/12/16. e) No further community notification required as affected landowners have signed a consent stating that they do not require to be notified of individual blasts (refer to Schedule 5 COA 7) f) Section 10.9 of the management plan deals with complaints. No complaints relating to blasting have been received to date. 	<p>C</p> <p>The approved plan is still the current plan</p> <p>A review of the Complaints register noted no complaints in relation to</p> <p>Water carts noted during site visit</p> <p>The quarry site has its own weather station</p> <p>Shot blast report for 25 November 2020 (Ron Southon Pty Ltd).</p> <p>Blast data reviewed for the audit from 2018 – 2021</p> <p>Sighted Text message to neighbours notifying blast</p> <p>Blast sheet for the 26/04/21 sighted at audit</p>	<p>There have been no complaints in relation to blasting. There has been one complaint in relation to dust, however this is discussed in COA 12 below.</p> <p>Shot blast reports also show compliance with blasting limits (monitor results on this date were 2.225mm/s and 115dB at Monitor House 1</p> <p>Weather station data is reviewed when planning for any blast</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT															
12	<p>AIR QUALITY;</p> <p>Air Quality Impact Assessment Criteria</p> <p>The Applicant must ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the development do not cause exceedances of the criteria in Table 5 at any residence on privately-owned land.</p> <p><small>Table 5: Air quality criteria</small></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Pollutant</th> <th style="text-align: center;">Averaging Period</th> <th style="text-align: center;">Criteria</th> </tr> </thead> <tbody> <tr> <td>Particulate matter < 10 µm (PM₁₀)</td> <td>Annual</td> <td></td> </tr> <tr> <td>Particulate matter < 10 µm (PM₁₀)</td> <td>24 hour</td> <td></td> </tr> <tr> <td>Total suspended particulates (TSP)</td> <td>Annual</td> <td></td> </tr> <tr> <td>^c Deposited dust</td> <td>Annual</td> <td>^b 2 g/r</td> </tr> </tbody> </table> <p><i>Notes for Table 5:</i></p> <ul style="list-style-type: none"> • <i>Cumulative impact (ie increase in concentrations due to the development plus background concentrations due to all other sources).</i> • <i>Incremental impact (ie incremental increase in concentrations due to the development with zero allowable exceedances of the criteria over the life of the development).</i> • <i>Deposited dust is to be assessed as insoluble solids as defined by Standards Australia, AS/NZS 3580.10.1:2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulate Matter - Deposited Matter - Gravimetric Method.</i> • <i>Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents, or any</i> 	Pollutant	Averaging Period	Criteria	Particulate matter < 10 µm (PM ₁₀)	Annual		Particulate matter < 10 µm (PM ₁₀)	24 hour		Total suspended particulates (TSP)	Annual		^c Deposited dust	Annual	^b 2 g/r	<p>Measures to manage air quality include water trucks, sprays and limiting vehicle and machinery movements to designated routes. Strategies and mitigation measures are outlined in Section 6 of the Air Quality Management Plan (AQMP).</p> <p>Dust deposition is monitored on site (refer to Figure 1 AQMP). Analysis is contracted and completed by Groundwork Plus.</p> <p>Dust monitoring report provided for period of 10 November to 16 December 2016. Dust deposition concentrations recorded at 4 monitoring locations were below 4.0g/m2/month.</p>	<p>C</p> <p>Measures to manage air quality include water trucks, sprays and limiting vehicle and machinery movements to designated routes. Strategies and mitigation measures are outlined in Section 6 of the Air Quality Management Plan (AQMP).</p> <p>Dust monitoring data is available here for both quarries: Peterson Emonitoring</p> <p>Data reviewed and no non compliances</p> <p>EPA complaint and incident report – 12 February 2019</p> <p>2019 Annual review</p>	<p>One complaint was received by the EPA in relation to the quarry. Quarry Solutions received a copy of the EPA incident report from the EPA on 12 February 2019. The incident related to dust impacting on both workers at the quarry and surrounding properties. Quarry Solutions advised that a response was given to the EPA by reply email on the same day and that the DPIE was included in the response. The response informed the EPA that monthly routine dust monitoring confirmed compliance with the dust criteria in the EPL and that dust management measures were occurring as per the requirements of the EPL. It is understood that no further issues were raised by the EPA or DPIE</p>	C
Pollutant	Averaging Period	Criteria																		
Particulate matter < 10 µm (PM ₁₀)	Annual																			
Particulate matter < 10 µm (PM ₁₀)	24 hour																			
Total suspended particulates (TSP)	Annual																			
^c Deposited dust	Annual	^b 2 g/r																		

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p><i>other activity agreed to by the Secretary.</i></p> <ul style="list-style-type: none"> <i>"Reasonable and feasible avoidance and mitigation measures" includes, but is not limited to, the operational requirements in conditions 14 and 15 to develop and implement an air quality management system that ensures operational responses to the risks of exceedance of the criteria.</i> 					
13	<p>AIR QUALITY;</p> <p>Quarry-owned Land</p> <p>The Applicant must ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the development do not cause exceedances of the criteria in Table 5 at any occupied residence on quarry-owned land (including land owned by another quarry owner) unless:</p> <ul style="list-style-type: none"> a) The tenant has been notified of any health risks associated with such exceedances in accordance with the notification requirements under Schedule 4 of this consent; and b) The tenant of any land owned by the Applicant can terminate their tenancy agreement without penalty at any time, subject to giving reasonable notice; to the satisfaction of the Secretary. 	<p>Not triggered as there are no tenants or residences. Discussed further in Section 3 of Air Quality Management Plan.</p> <p>If a residence is established notification will be made at that time.</p>	NT	Staff interviews	There are no occupied tenants on quarry owned land.	NT

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
14	<p>AIR QUALITY; Operating Conditions The Applicant must:</p> <p>a) Implement best practice management to minimise the dust emissions of the development;</p> <p>b) Regularly assess meteorological and air quality monitoring data and relocate, modify and/or stop operations associated with the development to ensure compliance with the air quality criteria in this consent;</p> <p>c) Minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see notes under Table 5);</p> <p>d) Monitor and report on compliance with the relevant air quality conditions in this consent; and</p> <p>e) Minimise the area of surface disturbance and undertake progressive rehabilitation of lands associated with the development, to the satisfaction of the Secretary.</p>	<p>a) Best practice is implemented by the approved Air Quality Management Plan which was approved by the Secretary on 24 January 2017</p> <p>b) Dust deposition monitoring is conducted by Groundwork Plus and analysis completed by ALS Environmental. Dust monitoring report provided for period of 10 November to 16 December 2016. Dust deposition concentrations recorded at 4 monitoring locations were below 4.0g/m²/month.</p> <p>c) Meteorological conditions are monitored and collected on site.</p> <p>d) Dust monitoring report by Groundwork Plus conducted monthly.</p> <p>e) Activities such as road spraying from a water cart undertaken on site. Maintenance records for water cart provided. Quarry Site Induction outlines environmental requirement around dust impacts on site.</p>	<p>C</p> <p>All measures detailed in 2018 audit findings still apply.</p> <p>b) & c) The quarry site has its own weather station – screen shot provided at audit</p> <p>d)Dust monitoring is occurring and is available here Peterson Emonitoring</p> <p>Reporting on air quality via the annual report Coraki document display Emonitoring</p> <p>The audit reviewed the 2020 report provided via email to DPIE on the 29 March 2021. DPIE have accepted the annual review for 2020 as being sufficient on the 11 May 2021 (letter from DPIE re accepting annual review)</p>	<p>The audit found that weather data is considered when planning works.</p> <p>A water cart was present on site</p> <p>Dust Monitoring is regularly occurring (quarterly)</p> <p>Progressive rehabilitation of lands has not occurred as the whole of the approved site is still being used for quarrying operations.</p>	C
15	<p>AIR QUALITY; Air Quality Management Plan The Applicant must prepare an Air Quality Management Plan for the development to the satisfaction of the Secretary. This plan must:</p> <ul style="list-style-type: none"> Be submitted to the Secretary for approval within 6 months of the date of this consent, or prior to the commencement of operations, 	<p>Air Quality Management Plan is approved by the Secretary and implemented on site. The monitoring of meteorological conditions and dust deposition is recorded on site.</p>	<p>C</p> <p>Air Quality Management Plan approved by the Secretary on 24 January 2017 Coraki document display Emonitoring</p> <p>Site visit Water carts used (see photos)</p> <p>Dust monitoring results</p>	<p>The plan was approved in 2017 prior to this audit period.</p> <p>Evidence of implementation included</p> <p>Material is dampened with constant spray at the processing</p> <p>Water carts are used</p> <p>Weather data and dust is monitored.</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p>whichever is earlier, unless otherwise agreed by the Secretary;</p> <ul style="list-style-type: none"> • Describe the measures that would be implemented to ensure: <ul style="list-style-type: none"> a) Compliance with the relevant conditions of this consent; b) Best practice management is being employed; and c) The air quality impacts of the development are minimised during adverse meteorological conditions and extraordinary events; • Describe the proposed air quality management system; and • Include an air quality monitoring program that: <ul style="list-style-type: none"> d) Is capable of evaluating the performance of the development; e) Includes a protocol for determining any exceedances of the relevant conditions of consent; f) Effectively supports the air quality management system; and g) Evaluates and reports on the adequacy of the air quality management system. <p>The Applicant must implement the approved management plan by the Secretary.</p>					
16	<p>AIR QUALITY;</p> <p>Meteorological Monitoring</p> <p>For the life of the development, the Applicant must ensure that there is a suitable meteorological station</p>	<p>Meteorological conditions are monitored and recorded on site as per the Air Quality Management Plan.</p> <p>The weather station was sighted during the inspection and data form the weather station</p>	C	Weather station data	The site has its own weather station.	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	operating in the vicinity of the site that complies with the requirements in the <i>Approved Methods for Sampling of Air Pollutants in New South Wales</i> guideline.	viewed at the audit.				
17	<p>AIR QUALITY;</p> <p>Greenhouse Gas Emissions</p> <p>The Applicant must implement all reasonable and feasible measures to minimise the release of greenhouse gas emissions from the development.</p>	Greenhouse Gas Emissions are managed on site by mobile plant and equipment being fitted with latest and energy efficient motors which contain emissions control. These are maintained to manufactures standard.	C	<p>Pre start checks were reviewed for 11/5/2021 Volvo excavator Model # 480DL checked the vehicle for defects. Two items were noted as requiring maintenance (spot lights on roof and bent railing). The maintenance requirement then gets diarised.</p> <p>The site visit inspected the plant maintenance areas and interviews with the Peter Roberts – Director KIS quarries and Coraki Quarry manager indicate that maintenance is largely outsourced.</p>	Greenhouse Gas Emissions are managed on site by mobile plant and equipment being fitted with latest and energy efficient motors which contain emissions control. These are maintained to manufactures standard. Maintenance records were viewed on site during the site audit.	C
18	<p>SOIL AND WATER;</p> <p>Water Supply</p> <p>The Applicant must ensure that it has sufficient water for all stages of the development and, if necessary, adjust the scale of operations under the consent to match its available water supply, to the satisfaction of the</p>	Section 2.2 of the Water Management Plan documents water re-use on site. This includes using water contained in the sediment ponds for water spraying for dust suppression.	C	<p>Site visit</p> <p>Consultation: Former Quarry manager Murry Payne – Quarry Solutions</p>	<p>Water tanks are at the top of the cut, water is pumped up from the basins and reused on site.</p> <p>Interviews with staff indicate that water has never been purchased for use as site water.</p> <p>The former manager noted that during very dry periods when the onsite sediment basins were low, QS did use</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	Secretary.				surface water collected in the quarry sump of the nearby QS Woodburn Quarry to ensure that sufficient water was available for dust control at the Coraki Quarry.	
19	<p>SOIL AND WATER;</p> <p>Water Discharges</p> <p>The Applicant must comply with the discharge limits in any relevant EPL, or with section 120 of the POEO Act.</p>	There have been no discharges from site to date	NT	<p>Site interviews</p> <p>Site visit</p>	There have been no discharges from site to date.	NT
20	<p>SOIL AND WATER;</p> <p>Groundwater</p> <p>In the event that groundwater in excess of negligible quantities is intersected during extraction activities, the Applicant must undertake a hydrogeological investigation, in consultation with DPI - Water, to the satisfaction of the Secretary. The investigation must report on groundwater sources, levels, yield and quality; identify any risks to groundwater users or groundwater dependent ecosystems and propose recommended management measures.</p> <p>The Applicant must implement reasonable and feasible management measures recommended by the hydrogeological investigation, to the satisfaction of the Secretary.</p>	The extraction limit of AHD 18 was designed specifically so that groundwater would not be intercepted. Therefore there is no risk of intercepting groundwater at AHD 18.	C	EIS	The extraction limit of AHD 18 was designed specifically so that groundwater would not be intercepted. Therefore, there is no risk of intercepting groundwater at AHD 18	NT

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
21	<p>SOIL AND WATER;</p> <p>Water Management Plan</p> <p>The Applicant must prepare a Water Management Plan for the development to the satisfaction of the Secretary. This plan must:</p> <ul style="list-style-type: none"> a) Be prepared by suitably qualified and experienced person/s approved by the Secretary; b) Be prepared in consultation with the EPA and DPI - Water; c) Be submitted to the Secretary for approval within 6 months of the date of this consent, or prior to the commencement of operations, whichever is earlier, unless otherwise agreed by the Secretary; d) Include a: <ul style="list-style-type: none"> i. Site Water Balance that includes details of: ii. The volume of water deficit and/or surplus for dry, average and wet years, considering all planned water management infrastructure; iii. Sources and security of water supply, including on-site water storages; iv. Water use and management on site; v. Any off-site water transfers or discharges including discharge volumes and frequency; vi. Reporting procedures; and vii. Measures that would be 	<p>The Water Management Plan was approved by Secretary on 24 January 2018. This includes the surface water management and balance system. The site visit noted that in accordance with the plan the following was implemented.</p> <p>Clean water diversion drains</p> <p>Dirty water diversion drains</p> <p>Water storages (sedimentation basins)</p> <p>Dedicated and protected Stockpiling areas</p> <p>On-site reuse of surface water runoff (in dust carts)</p> <p>Discussions with staff indicate that there has been no need for basin dosing or offsite release of water. No monitoring required as there are no discharges.</p>	C	<p>The Water Management Plan was approved by Secretary on 24 January 2018</p>	<p>The site visit noted that in accordance with the plan the following was implemented.</p> <p>Clean water diversion drains</p> <p>Dirty water diversion drains</p> <p>Water storages (sedimentation basins)</p> <p>Dedicated and protected Stockpiling areas</p> <p>On-site reuse of surface water runoff (in dust carts)</p> <p>Even in flood events water is contained in basins and in the excavation in the pit.</p> <p>The site has been designed to be well in excess of Seelems Creek</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p>implemented to minimise clean water use on site; and</p> <p>e) Surface Water Management Plan, that includes:</p> <p>a) Detailed baseline data on surface water flows and quality in water bodies that could potentially be affected by the development;</p> <p>b) A detailed description of the surface water management system on site including the:</p> <ul style="list-style-type: none"> i. Clean water diversion system; ii. Erosion and sediment controls; iii. Dirty water management system; and iv. Water storages; <p>c) Provision of a 40 metre buffer zone between watercourses and quarrying operations; and</p> <p>d) A program to monitor and report on:</p> <ul style="list-style-type: none"> i. Any surface water discharges; ii. The effectiveness of the water management system; and iii. Surface water flows and quality in local watercourses. <p>The Applicant must implement the approved management plan as approved from time to time by the Secretary.</p>					

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
22	<p>TRANSPORT;</p> <p>Transport Routes</p> <p>All laden trucks travelling from the development to the Pacific Highway must travel via Petersons Quarry Road, Lagoon Road, Casino – Coraki Road, Queen Elizabeth Drive and Coraki - Woodburn Road. Trucks returning to the site from the Pacific Highway must return via the same route and enter the development via Seelems Road or Petersons Quarry Road.</p> <p>This condition does not apply:</p> <ul style="list-style-type: none"> a) When road closures on the above route are in place; b) When delivering to sites not involving travel on the Pacific Highway, such as within the local area or sites to the northwest or north of the quarry (e.g. Casino or Lismore); and c) In an emergency to avoid the loss of lives, property and/or to prevent environmental harm. 	<p>All drivers are Site Inducted and agree to the Drivers Code of Conduct which is outlined in Section 4 of the Transport Management Plan.</p> <p>All trucks have a GPS and IBMS (Integrated Vehicle Management System) installed which tracks the location of the drivers and alerts when they are speeding or have driven off the allocated transportation route.</p> <p>There have been no complaints from Council regarding the transportation route.</p> <p>During consultation with the community an issue was raised that trucks leaving Petersons and Coraki Quarry would be traveling on narrow roads which are also school bus routes. The system integrated in the trucks is also in the local school buses. This notifies the truck driver of nearby school buses so he has time to plan the trip and slow down.</p>	<p>C</p> <p>All drivers are Site Inducted and agree to the Drivers Code of Conduct which is outlined in Section 4 of the Transport Management Plan.</p> <p>All trucks have a GPS and IVMS (Integrated Vehicle Management System) installed which tracks the location of the drivers and alerts when they are speeding or have driven off the allocated transportation route.</p> <p>Road safety Audits 2021 (prepared by TTM)</p>	<p>Traffic audit reviewed the haul routes and noted that the driver code of conduct is being adhered to. This report also made a recommendation that Transport Management Plan be updated to note that the Pacific Highway now bypasses Woodburn and the most direct route to and from the quarry to the Pacific Highway is now via Uralba Street rather than River Street through the Woodburn village. Discussions with the Quarry management team indicate that the revision of the TMP is underway.</p>	C
23	<p>TRANSPORT;</p> <p>Road Upgrades</p> <p>The Applicant must cause the following road upgrade works to be undertaken to the satisfaction of the Council or the RMS (whichever is the relevant roads authority):</p> <p>(a) prior to trucks returning to the site</p>	<p>Emails between Richmond Valley Council, RMS and Quarry Solutions were provided showing that the damage repair works at the intersections of Petersons Quarry Road and Lagoon Road; Lagoon Road and Casino – Coraki Road; and Woodburn – Coraki Road and the Pacific Highway, were costed and works approved by RMS/RVC. The emails showed that this work was planned for in September</p>	<p>C</p> <p>Site interviews</p> <p>Site visit</p>	<p>The road upgrade works at Seelems Road has not been triggered as Seelems Road is currently not in use.</p> <p>b Road upgrades were completed prior to this audit period.</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p>utilising Seelems Road, provision of a minimum 6 metre sealed carriageway on Seelems Road from Petersons Quarry Road to a point approximately 200 metres west of the entrance to the industrial facility at 30 Seelems Road; and</p> <p>(b) prior to commencing despatch of laden trucks from the development, asphaltic concrete/hot mix sealing of the intersections of Petersons Quarry Road and Lagoon Road; Lagoon Road and Casino – Coraki Road; and Woodburn – Coraki Road and the Pacific Highway.</p>	<p>2016 (emails dated 15, 21 and 22 September 2016), with quarrying operations commencing on site in October 2016. Road and intersection upgrades have been completed and were viewed while on site visit. Invoices to RVC from Quarry Solutions for the completed works dated 30 September 2016 was provided as evidence that the works were completed prior to the quarry opening n October 2016.</p>				
24	<p>TRANSPORT;</p> <p>Road Upgrades</p> <p>Prior to commencing the road upgrade works required under condition 23, the Applicant must:</p> <ol style="list-style-type: none"> a) Notify Council and/or the RMS (whichever is the relevant roads authority) in writing of any existing damage to the sections of road and the intersections listed in condition 23; and b) Lodge a defects liability bond with Council based on 10% of the quantity-surveyed cost of the upgrade c) works for roads for 	<p>Email evidence of notification of damage to roads and required repair works was noted in emails between council and RVC and Quarry Solutions in September 2016 (emails dated 15, 21 and 22 September 2016).</p> <p>Evidence of the defects liability bond was provided through a bank guarantee that was provided to RMS on the 26 September 2016, for the release of the defects liability bond as per the details below</p> <ul style="list-style-type: none"> • GX Liability No 22986, to the value of \$38,500.00, to be held for the duration of the construction period; • GX Liability No 22987, to the value of \$38,500.00, to be held for the duration of the defects liability period. 	C		This work was completed prior to this reporting period.	C

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
	which the Council is the relevant roads authority.				
25	<p>TRANSPORT;</p> <p>Monitoring of Product Transport</p> <p>The Applicant must, by the use of a weighbridge, make, and retain for at least 12 months, records of the time of arrival, time of dispatch, weight of load and vehicle identification for each laden truck dispatched from the development. These records must be made available to the Department on request and a summary included in the Annual Review.</p>	<p>Weighbridge data recorded internally using 'i-Weigh' software. Reports provided for Feb 2017, June 2017, August 2017 and November 2017. Reports show the count of trucks per hour for each day.</p> <p>2016 Annual Review is available on Coraki Quarry website.</p>	<p>C</p> <p>Weighbridge data</p> <p>Annual reviews, 2018, 2019 and 2020</p>	<p>Weighbridge data is maintained for all laden trucks recording the required data</p> <p>A review of annual reviews shows that a summary is included in the reports.</p>	C
26	<p>TRANSPORT;</p> <p>Operating Conditions</p> <p>The Applicant must:</p> <ul style="list-style-type: none"> Ensure that all laden trucks entering or exiting the site have their loads covered; and Ensure that all laden trucks exiting the site are cleaned of materials that may fall on the road, before leaving the site. Use its best endeavours to ensure that appropriate signage is displayed on all trucks used to transport product from the development so they can be easily identified by road users. 	<p>Covering loads part of site induction and Drivers Code of Conduct (Attachment 2 of the Transport Management plan). Random inspections of load covering are completed by checking remote camera over the weighbridge.</p> <p>Reference to trucks being covered and cleaned within monthly checklist (Section 12.10) and within Transport Management Plan (Chapter 4).</p> <p>Monthly checklist (Section 12.10) includes measure that trucks must have identifying features, such as a registration plate or sign, in the event of a complaint.</p> <p>All internal haul roads are gravel. No evidence of tracking during site to public roads.</p>	<p>C</p> <p>Covering loads part of site induction and Drivers Code of Conduct (Attachment 2 of the Transport Management plan).</p> <p>Site interviews & Site visit</p>	<p>The site visit noted that trucks are covered.</p> <p>The induction material includes this requirement. It is also a legal requirement for all road users.</p> <p>Random inspections of load covering are completed by checking remote camera over the weighbridge. No dates are recorded</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
27	<p>TRANSPORT;</p> <p>Transport Management Plan</p> <p>The Applicant must prepare a Transport Management Plan for the development to the satisfaction of the Secretary. This plan must:</p> <ul style="list-style-type: none"> a) Be prepared in consultation with RMS and Council and submitted to the Secretary for approval within 6 months of the date of this consent, or prior to the commencement of despatch of laden trucks from the development, whichever is earlier, unless otherwise agreed by the Secretary; b) Provide a clear description of the transport routes; c) Describe the processes in place for the control of truck movements; d) Describe the measures to be implemented to minimise noise from transport operations; e) Detail the procedures for receiving and addressing complaints from the community concerning traffic issues associated with heavy vehicles arriving at or leaving the development; f) Describe the driver induction and training processes; g) Include a Drivers' Code of Conduct that details the safe and quiet driving practices that must be used by drivers transporting products to and from the quarry, particularly having regard to 	<p>A TMP has been prepared and was first issued to the DPE on 16.9.16, the plan was updated in response to DPE comments and reissued in October 2017.</p>	<p>C</p> <p>TMP October 2017</p> <p>Monthly traffic monitoring data</p> <p>Draft Traffic Safety audit – TTM traffic engineering (11/5/2021)</p>	<p>The transport management plan is implemented via the driver code of conduct included in the induction material.</p> <p>There have been no further changes to the TMP.</p> <p>A traffic road safety audit was completed by TTM in 2021 and found no non compliances with the TMP. The report recommended that the Transport Management Plan be updated to note that the Pacific Highway now bypasses Woodburn and the most direct route to and from the quarry to the Pacific Highway is now via Uralba Street rather than River Street through the Woodburn village.</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p>school bus routes, intersections or sections of road where there is potential for close interactions between passing trucks, and the location of residential properties and associated private access roads; and</p> <p>h) Describe the measures that would be put in place to ensure compliance with the Drivers' Code of Conduct.</p> <p>The Applicant must implement the management plan as approved by the Secretary.</p>					
28	<p>TRANSPORT;</p> <p>Independent Traffic Audit</p> <p>Within 6 months of commencement of transport operations, and every three years thereafter, unless the Secretary directs otherwise, the Applicant must commission a suitably qualified person, whose appointment has been approved by the Secretary, to conduct an independent traffic audit of the development. This audit must:</p> <ul style="list-style-type: none"> i. Have the site verification component of the audit undertaken without prior notice to the Applicant; ii. Assess the impact of the development on the performance of the road network; ii. Investigate any incidents involving heavy vehicles 	<p>Independent Traffic Audit completed by TMM Consulting Pty Ltd on 22 March 2017. Response to Department was submitted by Jim Lawler on 11 April 2017 (email provided during audit) which is within the 1 month required by the Condition of Consent.</p> <p>The Independent Traffic Audit is available on the Coraki Quarry website.</p>	C	<p>TTM (Draft May 2021) Traffic Road Safety audit</p> <p>https://www.planningportal.nsw.gov.au/major-projects/project/4751 Showing extension of time to submit/undertake road safety audit</p>	<p>An extension of time to undertake the traffic management report was granted by DPIE on 26/06/2020, allowing the report to be submitted by y 30 June 2021.</p> <p>The auditor received a copy of the draft Traffic Road Safety Audit dated May 2021.</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p>associated with the development, including reviewing any community complaints;</p> <ul style="list-style-type: none"> v. assess the effectiveness of the Drivers Code of Conduct; and v. Recommend any necessary measures to reduce or mitigate any adverse (or potentially adverse) impacts. <p>Within one month of receiving the audit report, or as otherwise agreed by the Secretary, the Applicant must submit a copy of the audit report to the Secretary, with a response to any of the recommendations contained in the audit report, to the satisfaction of the Secretary.</p>					
29	<p>ABORIGINAL HERITAGE;</p> <p>Aboriginal Cultural Heritage Management Plan</p> <p>The Applicant must prepare an Aboriginal Cultural Heritage Management Plan for the development to the satisfaction of the Secretary. This plan must:</p> <ul style="list-style-type: none"> • be prepared in consultation with OEH and the Aboriginal community, and be submitted to the Secretary for approval prior to the commencement of operations; and 	<p>Aboriginal Cultural Heritage Management Plan approved by the Secretary.</p> <p>Two non-disturbance zones are on site and defined by the vegetated bunds on site. Zones are clearly defined as per the approved site plan.</p> <p>The unexpected finds procedure is outlined in Item 20 of the Quarry Site Induction.</p> <p>The Local Aboriginal Land Council for the Coraki locality is a part of the quarry grant fund group.</p>	C	<p>Aboriginal Cultural Heritage Management Plan (November 2017)</p>	<p>Two non-disturbance zones are on site and defined by the vegetated bunds on site. Zones are clearly defined as per the approved site plan.</p> <p>There have been no changes to this plan and no unexpected finds have occurred.</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<ul style="list-style-type: none"> • Include: <ul style="list-style-type: none"> ○ A detailed description of the measures that would be implemented to protect Aboriginal sites outside the quarry disturbance area including the two Indigenous Heritage Non-disturbance Zones (shown in Appendix 2); ○ A description of the measures that would be implemented if any new Aboriginal objects or skeletal remains are discovered during quarrying operations; and ○ Protocol for the ongoing consultation and involvement of the Aboriginal community in the conservation and management of Aboriginal cultural heritage on the site. <p>The Applicant must implement the management plan as approved by the Secretary.</p>					
30	ABORIGINAL HERITAGE; Aboriginal Cultural Heritage Management Plan	No unexpected finds.	C	Aboriginal Cultural Heritage Management Plan (November 2017)	There have been no changes to this plan and no unexpected finds have occurred	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p>If any item or object of Aboriginal heritage significance is identified on land associated with the development, the Applicant must ensure that:</p> <ul style="list-style-type: none"> a) All work in the immediate vicinity of the Aboriginal item or object ceases immediately; b) A 10 m buffer area around the item or object is cordoned off with high visibility flagging tape, or the like; and c) The OEH is contacted immediately. <p>Work in the vicinity of the Aboriginal item or object may only recommence in accordance with the provisions of Part 6 of the <i>National Parks and Wildlife Act 1974</i>.</p>					

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT									
31	<p>BIODIVERSITY AND REHABILITATION;</p> <p>The Applicant must rehabilitate the lands associated with the development to the satisfaction of the Secretary. This rehabilitation must be generally consistent with the rehabilitation strategy in the EIS and must comply with the objectives in Table 6.</p> <p><small>Table 6: Rehabilitation objectives</small></p> <table border="1"> <thead> <tr> <th>Feature</th> <th>Objective</th> </tr> </thead> <tbody> <tr> <td>Lands associated with the development (as a whole)</td> <td> <ul style="list-style-type: none"> Safe, stable and non-polluting Final landform integrated with surrounding landscape as is reasonable and feasible, and taking into account the impacts of the development when the development is completed </td> </tr> <tr> <td>Surface Infrastructure</td> <td> <ul style="list-style-type: none"> Decommissioned and removed, unless necessary for the operation of Petersons Quarry or other development </td> </tr> <tr> <td>Quarry Benches and Pit Floor</td> <td> <ul style="list-style-type: none"> Revegetated using a combination of native and introduced vegetation corridors, which link or </td> </tr> </tbody> </table>	Feature	Objective	Lands associated with the development (as a whole)	<ul style="list-style-type: none"> Safe, stable and non-polluting Final landform integrated with surrounding landscape as is reasonable and feasible, and taking into account the impacts of the development when the development is completed 	Surface Infrastructure	<ul style="list-style-type: none"> Decommissioned and removed, unless necessary for the operation of Petersons Quarry or other development 	Quarry Benches and Pit Floor	<ul style="list-style-type: none"> Revegetated using a combination of native and introduced vegetation corridors, which link or 	Rehabilitation not triggered.	NT	<p>Site visit</p> <p>Letter to DPIE dated 18 September 2020 requesting SEARs for extension of the Petersons Quarry to include Coraki Quarry</p> <p>Secretary's environmental assessment requirements (SEARS) for proposed development dated 7 December 2020</p>	<p>Progressive rehabilitation has not yet commenced because terminal benches have not been reached.</p> <p>Works are underway to lodge a development application for the extension of the Petersons Quarry to use the areas of disturbance of the Coraki Quarry. It is intended that the Petersons Quarry would continue to operate over the Coraki Quarry area and therefore take on the long term rehabilitation obligations for the site.</p> <p>The auditor was provided with a copy of the SEARS for this proposed development.</p>	NT
Feature	Objective													
Lands associated with the development (as a whole)	<ul style="list-style-type: none"> Safe, stable and non-polluting Final landform integrated with surrounding landscape as is reasonable and feasible, and taking into account the impacts of the development when the development is completed 													
Surface Infrastructure	<ul style="list-style-type: none"> Decommissioned and removed, unless necessary for the operation of Petersons Quarry or other development 													
Quarry Benches and Pit Floor	<ul style="list-style-type: none"> Revegetated using a combination of native and introduced vegetation corridors, which link or 													
32	<p>BIODIVERSITY AND REHABILITATION;</p> <p>Progressive Rehabilitation</p> <p>The Applicant must rehabilitate the lands associated with the development progressively, that is, as soon as reasonably practicable following disturbance. All reasonable and feasible measures must be taken to minimise the total area exposed for dust generation at any time. Interim stabilisation measures must be implemented where reasonable and feasible to control dust emissions in disturbed areas that are not active and which are not ready for final</p>	Rehabilitation not triggered as still in development stage.	NT	Refer above	NT									

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
	rehabilitation. <i>Note: It is accepted that parts of the lands associated with the development that are progressively rehabilitated may be subject to further disturbance in future.</i>				
33	<p>BIODIVERSITY AND REHABILITATION;</p> <p>Biodiversity and Rehabilitation Management Plan</p> <p>The Applicant must prepare a Biodiversity and Rehabilitation Management Plan for the site to the satisfaction of the Secretary. This plan must:</p> <ul style="list-style-type: none"> a) Be prepared in consultation with OEH, and be submitted to the Secretary for approval within 6 months of the date of this consent, or prior to the commencement of operations, whichever is earlier, unless the Secretary agrees otherwise; b) Provide details of the conceptual final landform and associated land uses for the site; c) Describe how the management of biodiversity would be integrated with the overall rehabilitation of the site; d) Include detailed performance and completion criteria for evaluating the performance of the biodiversity management measures and rehabilitation of the site, including triggers for 	<p>Plan dated 16 September 2016 and approved as evidenced by an email dated 6/3/18 from DPE.</p> <p>Aside from the protection of remnant vegetation on the site the requirements of the plan are not yet triggered as rehabilitation has not yet commenced. Fencing and protection of remnant vegetation on site was viewed during the site audit.</p>	<p>C Site visit</p> <p>Letter to DPIE dated 18 September 2020 requesting SEARs for extension of the Petersons Quarry to include Coraki Quarry</p> <p>Secretary's environmental assessment requirements (SEARS) for proposed development dated 7 December 2020</p>	<p>A DA is underway to extend the Petersons quarry operation to take on Coraki. This DA will take on the long term rehabilitation requirements at the site (refer COA 31 above)</p> <p>The site inspection noted (refer to photos) that no disturbance to the <i>Macadamia tetraphylla</i> Stands or Hoop Pine Dry Rainforest community.</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p>any necessary remedial action;</p> <p>e) Describe the short, medium and long-term measures that would be implemented to:</p> <p>f) Protect and enhance the remnant vegetation and habitat on the site, including the measures to:</p> <p>Protect the <i>Macadamia tetraphylla</i>, endangered ecological communities and threatened species on site;</p> <p>Rehabilitate the <i>Macadamia tetraphylla</i> buffer area, Hoop Pine Dry Rainforest community, and the Seelems Creek rehabilitation area as shown in Appendix 6;</p> <p>Ensure compliance with the rehabilitation objectives, and the progressive rehabilitation obligations in this consent;</p> <p>g) Include a program to monitor the effectiveness of these measures, and progress against the performance and completion criteria;</p> <p>h) Identify the potential risks to the successful implementation of the plan and include a description of the contingency measures that would be implemented to mitigate these risks; and</p> <p>i) Include details of who would be responsible for monitoring, reviewing, and implementing the plan.</p>					

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	The Applicant must implement the management plan as approved by the Secretary.					
34	<p>BIODIVERSITY AND REHABILITATION;</p> <p>Conservation and Rehabilitation Bond</p> <p>Within 6 months of the approval of the Biodiversity and Rehabilitation Management Plan, the Applicant must lodge a Conservation and Rehabilitation Bond with the Department to ensure that the management of biodiversity and the rehabilitation of the lands associated with the development are implemented in accordance with the performance and completion criteria set out in the Biodiversity and Rehabilitation Management Plan. The sum of the bond must be determined by:</p> <ul style="list-style-type: none"> c) Calculating the cost of rehabilitating the lands associated with the development taking into account the likely surface disturbance over the next 3 years of quarrying operations; and d) Employing a suitably qualified quantity surveyor or other expert to verify the calculated costs, to the satisfaction of the Secretary. 	<p>Not triggered. Plan approved on the 6/3/18.</p> <p>When plan was submitted to the Department a calculation for the rehabilitation bond was submitted as well.</p>	NT	<p>Minter Ellison Letter dated 2 July 2020 re transfer of Bond</p> <p>2018 Annual review</p>	<p>The Bond has been transferred from Quarry solutions to KIS.</p> <p>Rehabilitation of land is not triggered as there has been no clearing of vegetation.</p> <p>The 2018 Annual Review identified that the Bond had not been lodged by the due date of 5 October 2018 (six months from approval of the Biodiversity and rehabilitation plan on 6 March 2018).</p> <p>The bond was lodged with DPIE in May 2019</p>	NC

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p><i>Note: If the rehabilitation of the site is completed to the satisfaction of the Secretary, then the Secretary will release the bond. If the rehabilitation of the site is not completed to the satisfaction of the Secretary, then the Secretary will call in all or part of the bond, and arrange for the completion of the relevant works.</i></p>					
35	<p>BIODIVERSITY AND REHABILITATION;</p> <p>Conservation and Rehabilitation Bond</p> <p>Within 3 months of each Independent Environmental Audit (see condition 10 of Schedule 5), the Applicant must review, and if necessary revise, the sum of the Conservation and Rehabilitation Bond to the satisfaction of the Secretary. This review must consider the:</p> <ul style="list-style-type: none"> a) Effects of inflation; b) Likely cost of rehabilitating the site (taking into account the likely surface disturbance over the next 3 years of the development); and c) Performance of the implementation of the rehabilitation of the site to date. 	Not triggered as this is the first independent audit.	NT	<p>2018 Annual review</p> <p>DPIE letter re approval of Conservation Bond dated 25 June 2018</p>	<p>The bond calculation was sent to DPIE in March 2018. The first IEA was issued in May 2018.</p> <p>The amount of the bond was approved by DPIE in a letter dated 25 June 2018.</p> <p>Therefore, a review was not required within 3 months of the first IEA (as the bond had not been approved within that period).</p> <p>The 2018 Annual Review identified that the Bond had not been lodged by the due date of 5 October 2018.</p> <p>The bond was lodged with DPIE in May 2019</p>	C
36	<p>VISUAL IMPACTS;</p> <p>The Applicant must implement all reasonable and feasible measures to</p>	Internal bunds and bunds surrounding site are covered well vegetated.	C	Site visit	Internal bunds and bunds surrounding site are covered well vegetated.	C

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
	minimise the visual impacts of the development, including establishing the vegetated acoustic bunds shown in Appendix 5, to the satisfaction of the Secretary.				
37	<p>WASTE;</p> <p>The Applicant must:</p> <ul style="list-style-type: none"> a) Manage on-site sewage treatment and disposal in accordance with the requirements of its EPL, and to the satisfaction of the EPA and Council; b) Minimise the waste generated by the development; c) Ensure that the waste generated by the development is appropriately stored, handled and disposed of; and d) Report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary. 	<ul style="list-style-type: none"> a) Pump out system on site (Ballina Pump Out). Tax invoice for 6 March 2018 sighted. b) No waste is generated from extraction. c) General waste and recycling serviced by Council. Waste oil is collected by Summerland Environmental. Service docket for 6 March 2018 sighted outlining 300 litres of used mineral oil was collected. d) Waste was not reported on in the 2016 annual review. Waste reported in 2017 annual review. <p>The audit recommended that A waste and recycled material register should be maintained.</p>	<p>AN C</p> <p>Annual reviews for 2018 2019 Site visit</p>	<p>Quarry Solutions had an additional toilet on site that required pump out. Septic Pump out records were available until the end of 2019. When KIS took over management of the site, this temporary toilet was removed. The toilets at the site office are has been connected to Town Sewer.</p> <p>There is no waste generated from the extraction.</p> <p>Equipment maintenance contractors are required to take waste (oily rags, replaced parts etc) offsite.</p> <p>The annual review includes a summary of was and for the 2019 review a waste register is included.</p>	C
38	<p>LIQUID STORAGE;</p> <p>The Applicant shall ensure that all liquid tanks and similar storage facilities (other than for water) are protected by appropriate bunding or other containment, in accordance with the relevant Australian Standards.</p>	<p>It was noted that the site audit undertaken on the 28th February 2018 for the annual review raised the issue of liquid storage. This inspection found that storage was not appropriate.</p> <p>However at the time of the audit it was noted that there was a new locked and self bunded container on site housing all liquid storage.</p>	<p>NC</p> <p>Currently No liquid storage on site Richmond Waste Services records 2018, 2019.</p>	<p>Quarry Solutions used to have waste oil stored in 1000L pods and recycled by Richmond Waste Services. Since KIS have taken over the quarry, there is no waste oil on site and all liquid waste is removed from site by the maintenance contractor (Westrack).</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
		<p>There is a redundant old oil tank on site that is currently not in use.</p> <p>The NC raised during the site inspection for the annual review on the 28th February noted non-conformances regarding liquid storage. This had been rectified at the time of this independent Environmental audit.</p>			
39	<p>DANGEROUS GOODS;</p> <p>The Applicant must ensure that the storage, handling, and transport of dangerous goods is done in accordance with the relevant <i>Australian Standards</i>, particularly AS1940 and AS1596, and the <i>Dangerous Goods Code</i>.</p>	<p>SDS' checked and kept in main office block – several sheets checked and are not GHS compliant and older than 5 years.</p> <p>Contact the manufacture to obtain and update to GHS compliant SDS' on site.</p>	AN C Staff interviews – weighbridge operator and admin manager	<p>Maintenance contractor (Westrack) brings all necessary equipment including oils grease and fuel.</p> <p>Fuelling is undertaken by Minitankers PTY Ltd</p>	NT
40	<p>DANGEROUS GOODS;</p> <p>The Applicant must undertake a transport safety study to the satisfaction of the Secretary and in accordance with <i>Hazardous Industry Planning Advisory Paper No 11: Route Selection (HIPAP11)</i> prior to transporting hazardous materials above the threshold contained in <i>State Environmental Planning Policy 33 Hazardous and Offensive Development</i>.</p>	No transport of dangerous goods above threshold.	C EIS Staff interviews	The EIS noted that Ammonium nitrate suspension (Class 5.1 (III) dangerous good) is used by the quarry as an explosives pre-cursor. It is not stored on site. It is transported and handled by the blasting contractor under the various licences and approvals held by the contractor. Table 2 of the SEPP 33 guideline identifies thresholds which trigger assessment. The threshold has not been triggered by the quarry. Therefore, the requirement to undertake a transport safety study in Condition 40 is not triggered.	NT

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
41	<p>BUSHFIRE;</p> <p>The Applicant must:</p> <p>a) Ensure that the development is suitably equipped to respond to any fires on site; and</p> <p>b) Assist the NSW Rural Fire Service and emergency services as much as possible if there is a fire in the vicinity of the site.</p>	<p>a) Water truck on site for use in emergencies and for dust suppression. Large quantities of water stored in sediment ponds available.</p> <p>b) There have been no fires to date therefore this has not been triggered</p>	C Site visit	There has been no requirement to date to respond to bushfire, however the site has basins and water storage tanks if required.	NT
SCHEDULE 4- ADDITIONAL PROCEDURES					
1	<p>NOTIFICATION OF LANDOWNERS</p> <p>As soon as practicable and no longer than 7 days after obtaining monitoring results showing:</p> <p>a) An exceedance of any relevant criteria in Schedule 3, the Applicant must notify the affected landowners in writing of the exceedance, and provide regular monitoring results to each affected landowner until the development is again complying with the relevant criteria; and</p> <p>b) An exceedance of any relevant air quality criteria in Schedule 3, the Applicant must send a copy of the NSW Health fact sheet entitled “<i>Mine Dust and You</i>” (as may be updated from time to time) to the affected landowners and current tenants of the land (including the tenants of land which is not privately-owned).</p>	<p>a) Not triggered because agreement is not exceeded. There have been exceedances in criteria outlined in conditions, however, agreement with landowners allowed 5 dB and exceedance was below.</p> <p>b) No exceedances of air quality.</p>	NT Coraki document display Emonitoring Complaint and incident procedure notification forms date 28.8.2018,11,10.18 & 30.4.2019	The audit noted that two of the incident reports for noise exceedances, it was documented that landholders were notified the day after the monitoring results were received by Quarry Solutions. There is no documented evidence that for the June 2018 exceedance that landowners were notified on the incident report however staff interviews indicate that this did occur. Further it is documented in the	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
2	<p>INDEPENDENT REVIEW</p> <p>If an owner of privately-owned land considers the development to be exceeding the relevant criteria in Schedule 3, then he/she may ask the Secretary in writing for an independent review of the impacts of the development on his/her land.</p>	Not triggered	NT	<p>Staff interview</p> <p>Data review</p>		NT
3	<p>INDEPENDENT REVIEW</p> <p>If the Secretary is satisfied that an independent review is warranted, then within 2 months of the Secretary's decision the Applicant must:</p> <p>a) Commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Secretary, to:</p> <ul style="list-style-type: none"> • Consult with the landowner to determine his/her concerns; • Conduct monitoring to determine whether the development is complying with the relevant criteria in Schedule 3; and • If the development is not complying with these criteria then identify measures that could be implemented to ensure compliance with the relevant criteria; <p>b) Give the Secretary and landowner a copy of the independent review; and</p> <p>c) Comply with any written requests</p>	Not triggered.	NT			NT

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	made by the Secretary to implement any findings of the review.					
4	<p>INDEPENDENT REVIEW</p> <p>If the independent review determines that the development is complying with the relevant impact assessment criteria in Schedule 3, then the Applicant may discontinue the independent review with the approval of the Secretary.</p> <p>If the independent review determines that the development is not complying with the relevant impact assessment criteria in Schedule 3, then the Applicant must:</p> <ul style="list-style-type: none"> a) Implement all reasonable and feasible measures, in consultation with the landowner, to ensure that the development complies with the relevant criteria, and conduct further monitoring to determine whether these measures ensure compliance; or b) Secure a written agreement with the landowner to allow exceedances of the relevant impact assessment criteria; to the satisfaction of the Secretary. <p>If the further monitoring referred to under paragraph (a) above determines that the development is complying with the relevant impact assessment criteria, then the Applicant may discontinue the</p>	Not triggered.	NT			NT

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	independent review with the approval of the Secretary.					
SCHEDULE 5- ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING						
1	<p>ENVIRONMENTAL MANAGEMENT</p> <p><i>Environmental Management Strategy;</i></p> <p><i>If the Secretary requires;</i> the Applicant must prepare an Environmental Management Strategy for the development to the satisfaction of the Secretary. This strategy must:</p> <ol style="list-style-type: none"> a) Be submitted to the Secretary for approval within 6 months of the date of this consent or prior to the commencement of operations, whichever is earlier; b) Be prepared in consultation with Council; c) Provide the strategic framework for the environmental management of the development; d) Identify the statutory approvals that apply to the development; e) Describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development; f) Describe the procedures that would be implemented to: <ul style="list-style-type: none"> • Keep the local community and relevant agencies informed 	<p>Environmental Management Strategy approved by Secretary on 24 January 2018. Plans were submitted to Department on 22 November 2017. Email from DOP sighted.</p> <p>With submission of Management Plans (MP) evidence on consultation with council was included. In preparation of each specific MP, council was consulted with. MPs make part of EMS.</p>	C	EMS Nov 2019	The EMS was revised after the application for Mod 3.	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p>about the operation and environmental performance of the development;</p> <ul style="list-style-type: none"> • Receive, record, handle and respond to complaints; • Resolve any disputes that may arise during the course of the development; • Respond to any non-compliance; • Respond to emergencies; and <p>g) Include:</p> <ul style="list-style-type: none"> • Copies of any strategies, plans and programs approved under the conditions of this consent; and • A clear plan depicting all the monitoring to be carried out under the conditions of this consent. <p>The Applicant must implement the approved management strategy as approved from time to time by the Secretary.</p>					
1A	<p>ENVIRONMENTAL MANAGEMENT</p> <p><i>Evidence of Consultation;</i></p> <p>Where consultation with any public authority is required by the conditions of this consent, the Applicant must:</p> <p>a) Consult with the relevant public authority prior to submitting the required document to the Secretary for approval;</p>	<p>Consultation for each plan was undertaken where required. We noted that the Water management plan and the Aboriginal cultural heritage management plan have consultation appended to the plan itself.</p> <ul style="list-style-type: none"> ○ An email dated 9/9/16 from the EPA was sighted re the NMP. ○ The Blast management plan condition did not require consultation with any agency therefore none was done. ○ The Air quality management plan condition did not require consultation with any agency therefore none was done. 	C		Further consultation for the preparation of plans has not been undertaken. Only minor revisions to plans have occurred.	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<ul style="list-style-type: none"> b) Submit evidence of this consultation as part of the relevant document; c) Describe how matters raised by the authority have been addressed and any matters not resolved; and d) Include details of any outstanding issues raised by the authority and an explanation of disagreement between any public authority and the Applicant. 	<ul style="list-style-type: none"> o Correspondence with RMS dated 16/9/16 were sighted regarding consultation for the TMP and Council on the 15/9/16. 				
2	<p>ENVIRONMENTAL MANAGEMENT</p> <p><i>Management Plan Requirements;</i></p> <p>The Applicant must ensure that the management plans required under this consent are prepared in accordance with any relevant guidelines, and include:</p> <ul style="list-style-type: none"> a) Detailed baseline data b) A description of: <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 	<p>All management plans have now been approved by DPE and relevant agencies are included the requirements of this condition.</p>	C		<p>All plans were prepared and submitted prior to the previous audit period.</p> <p>As a result of reviews in response to audits or monitoring or modifications The EMS and noise management plan have been updated.</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p>management measures;</p> <p>c) A description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria;</p> <p>d) A program to monitor and report on the:</p> <ul style="list-style-type: none"> • Impacts and environmental performance of the development; and • Effectiveness of any management measures (see (c) above); <p>e) A contingency plan to manage any unpredicted impacts and their consequences 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 development over time;</p> <p>g) A protocol for managing and reporting any:</p> <ul style="list-style-type: none"> • Incidents; • Complaints; • Non-compliances with statutory requirements; and • Exceedances of the impact assessment criteria and/or performance criteria; and <p>h) A protocol for periodic review of the plan.</p> <p><i>Note: The Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.</i></p>					

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
3	<p>ENVIRONMENTAL MANAGEMENT</p> <p><i>Revision of Strategies, Plans and Programs;</i></p> <p>Within 3 months of the submission of an:</p> <ul style="list-style-type: none"> e) Incident report under condition 7 below; f) Annual review under condition 9 below; g) Audit report under condition 10 below; and h) Any modifications to this consent, <p>The Applicant must review the strategies, plans and programs required under this consent, to the satisfaction of the Secretary. Where this review leads to revisions in any such document, then within 4 weeks of the review the revised document must be submitted for the approval of the Secretary.</p> <p><i>Note: 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 development.</i></p>	<p>Incident report for noise exceedance reviewed strategies and provided all relevant information to DPE in accordance with Schedule 5 COA 7.</p> <p>Annual Review submitted March 2017. Review completed at same time.</p> <p>This is the first audit</p> <p>There is a current modification being prepared regarding the location of the processing unit.</p> <p>No reviews have led to a change in plans to date.</p>	<p>C</p> <p>Annual review 2018, 2019,2020</p> <p>1837.620.004 Documentation Review_SSD7036_Schedule 5 Condition 3.pdf - https://groundworkplus.egnyte.com/dl/KNQ1zdA5Hh</p> <p>1837.620.005 Documentation Review_SSD7036_Schedule 5 Condition 3.pdf - https://groundworkplus.egnyte.com/dl/EBBgHbh9vC</p> <p>1837.620.006 Documentation Review_SSD7036_Schedule 5 Condition 3_due to Mod 3_20 June 2019.pdf - https://groundworkplus.egnyte.com/dl/cmXMJSWzwb</p> <p>1837_300_012_Documentation Review_SSD7036_Schedule 5 Condition 3_due to 2019 Annual Review.pdf - https://groundworkplus.egnyte.com/dl/VeFWSGIZNT</p>	<p>Noise incidents occurred in in June 2018 and September 2018. A review of strategies, plans and programs had not been conducted in response to those incidents.</p> <p>Therefore a non compliance has been raised against this condition in relation to the lack of review of strategies in response to the 2018 noise incidents.</p> <p>In response to the 2018 Annual review, a review of strategies plans and programs was undertaken. (1837.620.004 Documentation Review_SSD7036_Schedule 5 Condition 3.pdf)</p> <p>A dust complaint from the public was made to the EPA in February 2019 and a noise incident occurred in March 2019, which triggered a review of strategies, plans and programs to be undertaken in April 2019: (1837.620.005 Documentation Review_SSD7036_Schedule 5 Condition 3.pdf)</p> <p>Mod 3 (Processing plant location) was granted in May 2019, which triggered a review of strategies, plans and programs: (1837.620.006 Documentation Review_SSD7036_Schedule 5 Condition 3_due to Mod 3_20 June 2019.pdf)</p> <p>The 2019 Annual review undertaken in March 2020 and then revised in April</p>	NC

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
					<p>2020, identified non-compliances including the noise incident in March 2019.</p> <p>In response to the 2019 Annual review, a review was undertaken of the strategies, plans and programs: (1837_300_012_Documentation Review_SSD7036_Schedule 5 Condition 3_due to 2019 Annual Review.pdf)</p> <p>The 2020 Annual Review was undertaken in March 2021, no non-compliances were identified, a review of strategies, plans and programs was conducted: (2513_300_011_LTRO_Review of documents.pdf)</p> <p>It is noted that the:</p> <ul style="list-style-type: none"> • ITA was received in May 2021 and will trigger a review of strategies, plans and programs; and • IEA will be received in May 2021 and will trigger a review of strategies, plans and programs 	
4	<p>ENVIRONMENTAL MANAGEMENT</p> <p><i>Updating and Staging of Strategies, Plans or Programs;</i></p> <p>To ensure that strategies, plans and programs required under this consent are updated on a regular basis, and that</p>	As the quarry has only been operational since 10 October 2016 this requirement has not been triggered.	NT	<ul style="list-style-type: none"> • EMS (approved 24 January 2018, revised October 2019) • Air Quality Management Plan (approved 24 January 2018) 	The NMP and EMS were updated and submitted to the DPIE in response to MOD#3.	C

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
	<p>they incorporate any appropriate additional measures to improve the environmental performance of the development, the Applicant may at any time submit revised strategies, plans or programs for the approval of the Secretary. With the agreement of the Secretary, the Applicant may also submit any strategy, plan or program required by this consent on a staged basis.</p> <p>With the agreement of the Secretary, the Applicant may prepare a revision of or a stage of a strategy, plan or program without undertaking consultation with all parties nominated under the applicable condition in this consent.</p> <p><i>Notes:</i></p> <ul style="list-style-type: none"> • <i>While any strategy, plan or program may be submitted on a staged basis, the Applicant will need to ensure that the operations associated with the development are covered by suitable strategies, plans or programs at all times.</i> • <i>If the submission of any strategy, plan or program is to be staged; then the relevant strategy, plan or program must clearly describe the specific stage/s of the development to which the strategy, plan or program applies; the relationship of this stage/s to any future stages; and the trigger for updating the strategy, plan or program.</i> 		<ul style="list-style-type: none"> • Transport Management Plan (approved 24 January 2018) • Blast Management Plan (approved 24 January 2018) • Aboriginal Cultural Heritage Management Plan (approved 24 January 2018) • Biodiversity and Rehabilitation Management Plan (approved 6 March 2018) • Noise Management Plan (approved 29 October 2019) • Water Management Plan (approved 6 March 2018) 		

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
5	<p>REPORTING</p> <p><i>Adaptive Management;</i></p> <p>The Applicant must assess and manage development-related risks to ensure that there are no exceedances of the criteria and/or performance measures in Schedule 3. Any exceedance of these criteria and/or performance measures constitutes a breach of this consent and may be subject to penalty or offence provisions under the EP&A Act or EP&A Regulation.</p> <p>Where any exceedance of these criteria and/or performance measures has occurred, the Applicant must, at the earliest opportunity:</p> <ul style="list-style-type: none"> 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) and submit a report to the Department describing those options and any preferred remediation measures or other course of action; and c) Implement remediation measures as directed by the Secretary; to the satisfaction of the 	<p>Adaptive management is occurring as evidenced by the noise incident outlined above. Long term changes were however not required.</p>	C	Refer Schedule 3 COA 4	The noise management measures we adapted to manage noise exceedances.	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	Secretary.					
6	<p>REPORTING</p> <p><i>Community Consultative Committee;</i></p> <p>If directed by the Secretary, the Applicant must establish and operate a Community Consultative Committee (CCC) for the development to the satisfaction of the Secretary. Any such CCC must be operated in general accordance with the Department's Community Consultative Committee Guidelines for State Significant Projects, November 2016 (or its latest version).</p> <p><i>Notes:</i></p> <ul style="list-style-type: none"> <i>The CCC is an advisory committee. The Department and other relevant agencies are responsible for ensuring that the Applicant complies with this consent.</i> <i>In accordance with the guidelines, the Committee should comprise an independent chair and appropriate representation from the Applicant, Council and the local community.</i> 	Not triggered as currently not directed to have a CCC.	NT		NT	

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
7	<p>REPORTING</p> <p>Incident Notification</p> <p>The Applicant must immediately notify the Department and any other relevant agencies immediately after it becomes aware of an incident. The notification must be in writing to compliance@planning.nsw.gov.au and identify the development (including the development application number and name) and set out the location and nature of the incident.</p>	<p>The non compliance in relation to noise was reported to the EPA and Department of Planning within 7 days of receipt of the noise assessment undertaken (the exceedance of noise actually occurred on the 29 September, but the report was not received from the noise consultant until the 5 December) as evidenced in the email dated 8 December 2017.</p>	<p>C</p> <p>June 2018 noise non compliance notification</p> <ul style="list-style-type: none"> 1837_EMI_180829_Murray Payne_Petersons Quarry - Coraki noise notification.msg - https://groundworkplus.egnyte.com/dl/FrGcik06Uu <p>September 2018 noise non compliance notification</p> <ul style="list-style-type: none"> 1837_EMI_181011_Murray Payne_Petersons Quarry - Coraki noise notification.msg - https://groundworkplus.egnyte.com/dl/wzTKd8YWIF <p>March 2019 noise non compliance notification</p> <ul style="list-style-type: none"> 1837_EMI_190503_Brett Conlan_Noise notification.msg - https://groundworkplus.egnyte.com/dl/VfZSagVhtE <p>February 2019 Dust Complaint</p> <ul style="list-style-type: none"> The 2019 Annual review identified that the EPA advised QS of a dust complaint on 12 February 2019. The statement in the 2019 Annual Review identifies that QS responded to the EPA and DPIE on that same day. It is understood that the EPA and DPIE did not require 	<p>The audit found that all non compliances were reported in accordance with this condition.</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
				any further actions by QS in response to the complaint. KIS (the current operator of the quarry) and Groundwork Plus do not hold copies of that correspondence between QS and the EPA and DPIE.		
7A	<p>Within seven days of becoming aware of a non-compliance, the Applicant must notify the Department of the non-compliance. The notification must be in writing to compliance@planning.nsw.gov.au and identify the development (including the development application number and name), set out in the condition of this consent that the development is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance.</p> <p>Note: A non-compliance which has been notified as an incident does not need to also be notified as a non-compliance.</p>			Refer COA 7 above		C
8	<p>REPORTING</p> <p>Regular Reporting</p> <p>The Applicant must provide regular reporting on the environmental performance of the development on its</p>	<p>The Blast Management Plan requires that results of monitoring relating to blasting are required to be published on Quarry Solutions Website as per the EPA's reporting requirements for publishing pollution data.</p> <p>At the time of the site audit blast data for Coraki</p>	NC	<p>All reporting is provided on the website at:</p> <p>Coraki document display Emonitoring</p>		C

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
	<p>website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this consent.</p>	<p>Quarry was not available on Quarry Solutions website. However, since the audit e-monitoring data for Coraki Quarry has been linked under the Petersons Quarry webpage as Coraki is reported as part of the Petersons EPL. It is noted that Quarry solutions have written agreement from all neighbours stating that they don't need to be notified of each blast:</p> <ul style="list-style-type: none"> • 1905 Casino – Coraki Road, Coraki (28/1/16) • 65 Spring Hill Road Coraki (28/1/16) • 140 Newmans Road (LOT 401), Coraki (28/1/16) • 325 Lagoon Road, West Coraki (28/1/16) • 75 Spring Hill Road, Coraki (30/11/15) • 50 Springhill Road, Coraki (30/1/15) • 285 Lagoon Road, West Coraki (28/1/16) • 95 Spring Hill Road, Coraki (29/1/16) • 200 Lagoon Road, West Coraki (10/?/16) <p>During the document review for this audit the Blasting data was added to the website.</p> <p>Aboriginal Cultural Heritage Management Plan requires on-going consultation through updates to the Quarry Solutions website (Section 4.2 of ACHMP). No updates in regards to Aboriginal Cultural Heritage are available on the website.</p> <p>At the time of the site audit blast data for Coraki Quarry was not available on Quarry Solutions website. However, since the audit e-monitoring</p>			

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
		data for Coraki Quarry has been linked under the Petersons Quarry webpage as Coraki is reported as part of the Petersons EPL			
9	<p>REPORTING</p> <p>Annual Review</p> <p>By the end of March each year, or other timing as may be agreed by the Secretary, the Applicant must review the environmental performance of the development to the satisfaction of the Secretary. This review must:</p> <p>a) Describe the development (including any rehabilitation) that was carried out in the previous reporting period, and the development that is proposed to be carried out over the current calendar year;</p> <p>b) Include a comprehensive review of the monitoring results and complaints records of the development over the previous calendar year, which includes a comparison of these results against the:</p> <ul style="list-style-type: none"> • Relevant statutory requirements, limits or performance measures/criteria; • Requirements of any plan or program 	<p>Two annual reports have been submitted. Evidence of both was provided at the time of the audit.</p>	<p>C</p> <p>Annual reviews 2018, 2019, 2020</p> <p>Coraki document display Emonitoring</p>	<p>All annual reviews have been submitted in the required time frame.</p> <p>Copies of the annual review are available on the website</p> <p>Reviews have been prepared in compliance with these requirements.</p> <p>DPIE requested waste registers be included in the annual review in 2018, the audit noted that this was done.</p> <p>A review of the 2020 annual review and DPIEs response notes that they accept the review and that it is recommended that the results of quarterly noise monitoring be included in the reports.</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
	<p>required under this consent;</p> <ul style="list-style-type: none"> • The monitoring results of previous years; and • The relevant predictions in the documents listed in condition 2(a) of Schedule 2; <p>c) Identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;</p> <p>d) Identify any trends in the monitoring data over the life of the development;</p> <p>e) Identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and</p> <p>f) Describe what measures will be implemented over the current calendar year to improve the environmental performance of the development.</p> <p>The Applicant must ensure that copies of the Annual Review are submitted to Council and are available to the Community Consultative Committee (see condition 6 of Schedule 5) and</p>				

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	any interested person upon request.					
10	<p>INDEPENDENT ENVIRONMENTAL AUDIT</p> <p>Within two years of the date of this consent, and every 3 years thereafter, unless the Secretary directs otherwise, the Applicant must commission and pay the full cost of an Independent Environmental Audit of the development. This audit must:</p> <ul style="list-style-type: none"> a) Be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary; b) Include consultation with the relevant agencies; c) Assess the environmental performance of the development and whether it is complying with the relevant requirements in this consent and any relevant EPL or necessary water licences for the development (including any assessment, 	Approval for this Independent Environment Audit was received in an email dated 16/1/18	C	DPIE auditor endorsement letter dated 15 March 2021	<ul style="list-style-type: none"> a) Natascha Arens is an Exemplar global certified auditor with over 25 years' experience. She was endorsed by DPIE on 15/3/2021 b) Consultation was undertaken in the Richmond Valley Council EPA and DPIE. (refer Section 2.5 of audit report) c) This compliance table provides evidence of assessment of compliance with the consent and the EPL. d) The quarry implements the following plans and strategies : <ul style="list-style-type: none"> • EMS (approved 24 January 2018, revised October 2019) • Air Quality Management Plan (approved 24 January 2018) • Transport Management Plan (approved 24 January 2018) • Blast Management Plan (approved 24 January 2018) • Aboriginal Cultural Heritage Management Plan (approved 24 January 2018) • Biodiversity and Rehabilitation Management Plan (approved 6 March 2018) • Noise Management Plan (approved 29 October 2019) • Water Management Plan 	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p>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 development, 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> <p><i>Note: This audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Secretary.</i></p>				<p>(approved 6 March 2018)</p> <p>The audit found that all plans and strategies are being implemented and updated as required. Furthermore, the audit found that the plans and strategies are adequate.</p> <p>e) Recommendations as a result of the audit are provided in Section 4 of the audit report.</p>	
11	<p>INDEPENDENT ENVIRONMENTAL AUDIT</p> <p>Within 12 weeks of commencing this audit, or as otherwise agreed by the Secretary, the Applicant must submit a copy of the audit report to the Secretary, together with its response to any recommendations contained in the audit report, including a timetable for the implementation of any measures</p>	<p>This audit report was provided to Quarry Solutions and Groundwork Plus within 12 weeks of the completion of the site audit and off site document review.</p>	C		<p>This audit report was provided to Quarry Solutions and Groundwork Plus within 12 weeks of the completion of the site audit and off site document review.</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	proposed to address the recommendations in the report.					
11A	<p>MONITORING AND ENVIRONMENTAL AUDITS</p> <p>Any condition of this consent that requires the carrying out of monitoring or an environmental audit, whether directly or by way of a plan, strategy or program, is taken to be a condition requiring monitoring or an environmental audit under Division 9.4 of Part 9 of the EP&A Act. This includes conditions in respect of incident notification, reporting and response, non-compliance notification, compliance report and independent audit.</p> <p>Notes: For the purposes of this condition, as set out in the EP&A Act, “monitoring” is monitoring of the development to provide data on compliance with the consent or on the environmental impact of the development, and an “environmental audit” is a periodic or particular documented evaluation of the development to provide information on compliance with the consent or the environmental management or impact of the development.</p>					noted
11B	Noise, blast and air quality monitoring under this consent is not required at all privately-owned residences and the use of representative monitoring locations can be used to demonstrate compliance					Noted

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT
	with criteria.				
12	<p>ACCESS TO INFORMATION</p> <p>Within 6 months of the date of this consent, until the completion of all works, including rehabilitation and remediation, the Applicant must:</p> <p>a) Make the following information publicly available on its website:</p> <ul style="list-style-type: none"> • The documents listed in condition 2(a) of Schedule 2; • Current statutory approvals for the development; • All approved strategies, plans and programs required under the conditions of this consent; • A comprehensive summary of the monitoring results of the development, reported in accordance with the specifications in any conditions of this consent, or any approved plans and programs; • A complaints register, updated 	<ul style="list-style-type: none"> • a and b) EIS, SEE (MOD 1) and SEE (MOD 2) are available on the Quarry solutions website as per Schedule 2, Condition 2(a) • Statutory approvals for the development are available online • All approved strategies and plans and their approval dates are available online • Summary of monitoring results are uploaded online • No complaints register online – although it is noted that there have been none to date • 2016 Annual Review is available online • No audit online as not triggered (2018 audit is first required) • CCC is not triggered as not directed to conduct meetings 	C Coraki document display Emonitoring	All documents are available on the project website.	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p>monthly;</p> <ul style="list-style-type: none"> • The annual reviews of the development; • Any independent environmental audit, and the Applicant's response to the recommendations in any audit; • Minutes of any CCC meetings; • Any other matter required by the Secretary; and <p>b) Keep this information up-to-date to the satisfaction of the secretary.</p>					
APPENDIX 1: STATEMENT OF COMMITMENTS						
1	<p>PROJECT LIFE</p> <p>The project approval life will be for 7 (seven) years from the date of development consent, subject to the completion of the Pacific Highway upgrade project and noting that closure and rehabilitation activities may extend beyond the 7 (seven) year operational approval period.</p>		NT			NT
2	<p>EXTRACTION RATE</p> <p>The project must not extract more than 1,000,000 tonnes per annum from the Coraki Quarry, noting that the Coraki</p>	<p>'Product Sold vs Production Report' printout for current 2018 period (1-1-2018 to 6-3-2018) outlines current extraction at 143,143 tonnes. At current extraction rates this indicates that</p>	C		Refer Schedule 3 Condition 8	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	Quarry is separate from and in addition to the existing Petersons Quarry annual extraction volumes.	annual extraction would be under 1 million tonnes. The Annual Review for 10-10-2016 to 31-12-2016 outlines production volume of 151,303.91 tonnes, mostly from overburden removal and set up of site.				
3	HOURS OF OPERATION Quarry operations will be undertaken between 6am and 7pm Monday to Saturday.	Refer to changes to operating hours in Schedule 3 COA 1	C		Refer Schedule 3 Condition 1	C
4	HOURS OF OPERATION Blasting activities will be undertaken between 9am and 3pm Monday to Friday.	A review of Blast sheets indicates that that Blasting occurred within these limits .	C		Included in the Blast Management Plan	C
5	HOURS OF OPERATION No operations will be undertaken on a Sunday or on public holidays.	Refer to changes to operating hours in Schedule 3 COA 1	C		Refer to changes to operating hours in Schedule 3 COA 1	C
6	ENVIRONMENTAL MANAGEMENT The project will be undertaken in accordance with the EMP (refer to EIS Attachment 2). Prior to the commencement of the project the EMP will be updated to reflect relevant conditions of consent and other relevant authorities.	EMS strategy and plans approved.	C		Refer Schedule 5 Condition 1	

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
7	<p>ABORIGINAL HERITAGE MANAGEMENT PLAN</p> <p>An Aboriginal Heritage Management Plan is to be prepared. Quarry Solutions will carry out the project in accordance with an Aboriginal Heritage Management Plan.</p>	Aboriginal Cultural Heritage Management Plan approved by the Secretary and available on Coraki Quarry website	C	Refer Schedule 3 COA 29	Refer Schedule 3 COA 29	C
8	<p>ABORIGINAL HERITAGE MANAGEMENT PLAN</p> <p>The identified Non Disturbance Zones will be protected in situ for the life of the project.</p>	Two non-disturbance zones are on site and defined by the vegetated bunds on site. Zones are clearly defined as per the approved site plan.	C		Two non-disturbance zones are on site and defined by the vegetated bunds on site. Zones are clearly defined as per the approved site plan.	C
9	<p>TRAFFIC MANAGEMENT</p> <p>Sealing of Seelems Road and the first 200m of the internal access road within Lot 403 DP802985.</p>	Not triggered as Seelems Road is currently not in use.	NT		Not triggered as Seelems Road is currently not in use.	NT
10	<p>TRAFFIC MANAGEMENT</p> <p>Implementing and enforcing compliance with a Driver's Code of Conduct.</p>	Driver's Code of Conduct is enforced on site and contained within Transport Management Plan.	C		Driver's Code of Conduct is enforced on site and contained within Transport Management Plan.	C
11	<p>TRAFFIC MANAGEMENT</p> <p>Installation of forward and driver facing cameras on haulage trucks managed by Quarry Solutions.</p>	Item 12.10 of the 'Quarry Safety & Environmental Checklist' contains an item relating to trucks having installation of forward and driver facing cameras. March 2018 checklist sighted and ticked.	C		Item 12.10 of the 'Quarry Safety & Environmental Checklist' contains an item relating to trucks having installation of forward and driver facing cameras. March 2018 checklist sighted and ticked.	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
12	TRAFFIC MANAGEMENT Installation of GPS monitoring devices on haulage trucks managed by Quarry Solutions.	As above. Checklist outlines need for GPS monitoring in trucks. GPS tracking of trucks viewed during site inspection in 'The Fleet' software.	C		As above. Checklist outlines need for GPS monitoring in trucks. GPS tracking of trucks viewed during site inspection in 'The Fleet' software.	C
13	TRAFFIC MANAGEMENT Paying for the installation of GPS monitoring devices on all local school buses where permission is provided.	Discussion with Quarry staff indicates that local school buses are equipped with GPS software. Refer to Condition 23 of Condition of Consent.	C		Refer to Condition 23 of Condition of Consent.	C
14	TRAFFIC MANAGEMENT Paying the relevant s94 contributions to the Richmond Valley Council.	Refer to Schedule 2, Condition 17	C		Schedule 2, Condition 17	C
15	BIODIVERSITY The measures outlined in the BAAM Biodiversity Assessment Report (refer to EIS Attachment 5) will be implemented including, but limited to the following: <ul style="list-style-type: none"> • Implement a 25m buffer to the <i>Macadamia tetraphylla</i> located on Lot 401 and the management and monitoring actions identified in Table 4.1 of the Biodiversity Assessment Report. • Engage a fauna spotter to inspect the Hoop Pine dry rainforest community for signs of nesting by the • Black-necked Stork during May to January (inclusive). If any nesting activity is identified, a species 	Not triggered as no clearing has been conducted on site.	NT			NT

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p>management plan is to be developed and implemented.</p> <ul style="list-style-type: none"> • Restrict disturbance and access to only those areas absolutely necessary for the construction and the operation of the project. Clearly cordon off all adjacent vegetation and buffer extents that are not to be disturbed by the project, creating 'no go zones' for vehicles, materials, machinery, workers, excavated soil or fallen timber. • Implement sediment and erosion control measures, including measures to avoid the spill of earth and rock downslope of the quarry footprint into areas of retained vegetation. • Ensure a fauna spotter/catcher is present during clearing and site preparation works. • Establish 'go slow zones' (40km/hr) for vehicles and machinery where non-gazetted roads or tracks are located adjacent to patches of native vegetation communities. • Limit construction and operational work to 6am and 7pm Monday to Saturday, and any lighting within outdoor areas should comply with relevant Australian Standards and be of low spillage, with no or limited upward spillage. • Minimise vehicle and machinery access and subsequent soil compaction and weed transfer risk within and adjacent to retained vegetation. • Educate the workforce on the location of significant/sensitive communities and species and 					

Condition	Ministers Condition of Consent	Findings 2018 audit	Evidence	Findings 2021 Audit	C/NC/NT	
	potential impacts from unauthorised activities.					
16	<p>NOISE</p> <p>The noise mitigation measures specified in Section 2.6.2 of the MWA Noise and Dust Assessment (refer to EIS Attachment 6) are to be implemented and maintained for the project, including the following:</p> <ul style="list-style-type: none"> Acoustic screening by way of cut, earth bunds and/or barriers to various locations; Use of a proprietary quietened rock drill; and Operation of the processing plant at the most shielded location and/or implementation of acoustic treatments as necessary to comply with the relevant noise limits. 	<p>Vegetated acoustic bunds surround site.</p> <p>T35 drill rigs that we use are developed and optimized for construction work and quarrying applications.</p> <p>The drill rig size and output are suited to the drilling parameters at Coraki/Petersons Quarry,</p> <p>The drill rig adjusts feed pressured and hammer settings to suit the ground conditions, therefore minimising unnecessary noise and less fuel consumption.</p> <p>The drill rigs are fitted with the latest technology drifters giving highly sufficient output without wasting energy, hence excessive noise.</p> <p>Refer to Schedule 2 COA 2 re the processing plant</p>	C	Noise Management Plan	These requirements have been incorporated into the approved Noise Management Plan	C
17	<p>DUST</p> <p>The dust control measures specified in Section 4.3.3 of the MWA Noise and Dust Assessment (refer to EIS Attachment 6) are to be implemented and maintained for the project, including the following:</p> <ul style="list-style-type: none"> Watering of all haul roads and 	AQMP prepared and implemented	C		Refer Schedule 3 condition 15	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p>access roads at a rate of approximately 2 litres/m²/hour at times when dust emissions are visible from vehicle movements;</p> <ul style="list-style-type: none"> • Sealing (e.g. asphalt) part of the access road off Seelems Road for a minimum length of 200 metres west from the Seelems Road entry point; • Use of effective water sprays on the processing plant; • Effective water misting sprays to processing plant at transfer points including load-out points from elevated storage bins if utilised; • Rock drill to have an appropriate dust extraction system with collector fitted to rig and/or wet drilling via water sprays; and • Management of dust emissions from stockpiles during high wind speed conditions through appropriate use of sprinklers and/or chemical suppressant products as required. 					
18	<p>BLASTING</p> <p>The following blast management measures will be implemented for the project:</p> <ul style="list-style-type: none"> • Establish permanent blast monitoring locations at the two closest neighbouring properties, which are 140 Newmans Road (Lot 4 DP6339) and 200 Lagoon Road (Lot 12 DP6339), Coraki. • Start developing a blast vibration equation, specific to the Coraki Quarry. A suitably qualified person 	All these measures have been incorporated in to the Blast Management Plan	C	the Blast Management Plan	<p>All these measures have been incorporated in to the Blast Management Plan</p> <p>The audit found that the Blast Management Plan is being implemented</p>	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p>should be involved in this process, as using incorrect techniques can add additional cost to blast vibration control;</p> <ul style="list-style-type: none"> • Commence blasting using a maximum of a 12 m bench height and 89 mm blast holes to ensure compliance with airblast overpressure and blast vibration. After 3 blasts, the results can be reviewed and evaluated as to whether 102 mm blast holes should be implemented. The airblast overpressure and blast vibration compliance must be maintained; • Establish the recommended Blast Exclusion Zones (BEZ). If required measure the flyrock projection distances from the first 10 blasts and recalibrate the flyrock equations. This will enable optimisation of the BEZ distance. Due to the use of a conservative value for the constant K in the prediction equations it would be expected that the exclusion distance could be reduced, however this must not be taken for granted; • All blasts must be face profiled, surveyed and bore tracked to ensure airblast overpressure compliance, combined with the ability to control face burst that can cause flyrock incidents; • Blast volumes should be maximised to reduce the frequency of disturbances to the neighbouring properties. A target blast volume of 18,750m³ and 15 tonnes of bulk explosive load is recommended. Shot sizes should be limited to a 					

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p>maximum of 3 rows deep initially, to minimise vibration reinforcement if utilising a non-electric initiation system. Once actual blast vibration data has been collected and analysed shot sizes may be increased, if the data supports increasing the blast Maximum Instantaneous Charge (MIC) and remaining under 5mm/s;</p> <ul style="list-style-type: none"> • Orientate blasts with free faces not directly facing the sensitive receivers, to assist with airblast overpressure control; • Initiation sequencing for initial blasts, should target no more than a single blast hole MIC of 88kg until the vibration attenuation can be accurately assessed. • All proposed parameters are for initial blasting at the site. Once actual blast data is available from blasting at the proposed site, then parameters may be optimised using the analysis techniques outlined in this document. Site specific constant (k value) will require calibration for flyrock, blast vibration and airblast overpressure. 					
19	<p>WATER</p> <p>The surface water management system and water balance scenario prepared by Calibre Consulting (refer to EIS Attachment 8) will be implemented.</p>	<p>Soil and Water Management Plan was approved by Secretary on 24 January 2018. This includes the surface water management and balance system. The site visit noted that in accordance with the plan the following was implemented.</p> <p>Clean water diversion drains</p>	C		Refer Schedule 3 Condition 21	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
		<p>Dirty water diversion drains</p> <p>Water storages (sedimentation basins)</p> <p>Dedicated and protected Stockpiling areas</p> <p>On-site reuse of surface water runoff (in dust carts)</p> <p>Discussions with staff indicate that there has been no need for basin dosing or offsite release of water.</p>				
20	<p>WATER</p> <p>The project will be operated in accordance with the conditions of the EPL for the project once it is issued by the EPA.</p>	Refer to EPL audit checklist below	C			
21	<p>GREENHOUSE GASES AND HAZARDS</p> <p>Quarry Solutions will continue to investigate financially practicable initiatives to reduce energy consumption and greenhouse gas emissions.</p>	Greenhouse Gas Emissions are managed on site by mobile plant and equipment being fitted with latest and energy efficient motors which contain emissions control. These are maintained to manufactures standard. Maintenance records were viewed on site during the site audit.	C		Refer Schedule 3 Condition 17	C
22	<p>GREENHOUSE GASES AND HAZARDS</p> <p>Dangerous goods will be stored in accordance with dangerous goods storage requirements and relevant Australian Standards.</p>	All liquids were stored in a self bunded container at the time of the audit.	C		Refer Schedule 3 Condition 39	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
23	REHABILITATION Upon terminal benches being reached within Lot 401, the areas of disturbance within Lot 401 will be rehabilitated to a safe, stable and non-polluting state, suitable for the recommencement of the previous land use (cattle grazing).		NT			NT
24	REHABILITATION Areas of the Petersons Quarry used by the project will be returned to the land owner in a safe and stable state suitable for the continued operation of the Petersons Quarry.		NT			NT
25	COMMUNITY ENGAGEMENT Quarry Solutions will operate a free call telephone number for the Coraki Quarry for the life of the project.		C		Displayed on site entrance	C
26	COMMUNITY ENGAGEMENT Quarry Solutions will engage with the community in relation to employment opportunities and traineeships.	Consultation with Quarry staff during the audit indicated that Quarry Solutions has made contact with local primary schools offering to host school visits to Petersons Quarry. An Open Day was held on the 19 April 2018 at the Petersons / Coraki Quarry which was open to the general public. This was a 'seed' event designed to generate interest in the community and practice workplace health and safety procedures in preparation for school visit. This finding is based on consultation with staff,	NV	Annual review 2018 and 2019 Site visit & staff interviews Feb 2019 Coraki District News	No further actions have been undertaken since the previous audit However, the 2018 and 2019 Annual review stated that Quarry Solutions contributed \$5000 per quarter to community organisations, groups or individuals in the Coraki and District with grants of \$100 to \$5000 available. This was confirmed through a review of a notice in the Coraki District News. Staff interviews indicated that locals are	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
		however no auditable evidence was provided.			employed at the quarry and that local providers are used for catering and other services (eg equipment maintenance)	
27	<p>COMMUNITY ENGAGEMENT</p> <p>Quarry Solutions will provide opportunities for educational site visits by local schools and other community groups to visit the quarry.</p>	<p>Consultation with Quarry staff indicated that Quarry Solutions has made contact with high schools, vocational training providers and TAFE. The quarry has provided a point of contact within the HR department of Quarry Solutions that those organisations can liaise with in the event that a student comes forward with an interest in boiler making, mechanics, heavy vehicle operators, administration or accounting.</p> <p>This finding is based on consultation with staff, however no auditable evidence was provided.</p>	NV	<p>Interviews Terry Woods former Special Projects Manager for Quarry Solutions</p> <p>Coraki and District News Feb 2019</p>	<p>Terry Woods, advised that the last school visit and open day occurred in 2018. QS continued to engage with the community in 2019 (see Page 3 of the attached Coraki and District News from Feb 2019 outlining the grants that QS provided to the community). However, no requests for school visits were received in 2019. No requests were received in 2020 either and that is assumed to be due to COVID19 restrictions. As there is no documented evidence that KIS have provided opportunities for educational site visits by local schools and other community groups, the audit recommends that this occurs.</p>	C
APPENDIX 4- NOISE COMPLIANCE ASSESSMENT						
1	<p>APPLICABLE METEOROLOGICAL CONDITIONS</p> <p>The noise criteria in Tables 3 and 4 in Schedule 3 are to apply under all meteorological conditions except the following:</p> <ul style="list-style-type: none"> a) wind speeds greater than 3 m/s at 10 m above ground level; or b) Temperature inversion 	Included in the NVMP	C		These requirements are included in the Noise management plan	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p>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</p> <p>c) Temperature inversion conditions greater than 3°C/100 m.</p>					
2	<p>DETERMINATION OF METEOROLOGICAL CONDITIONS</p> <p>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 17 of Schedule 3.</p>	Included in the NVMP	C		This requirement is included in the Noise management plan	C
3	<p>COMPLIANCE MONITORING</p> <p>Unless otherwise directed by the Secretary, quarterly attended monitoring is to be used to evaluate compliance with the relevant conditions of this consent.</p> <p><i>Note: The Secretary may direct that the frequency of attended monitoring increase or decrease at any time during the life of the development.</i></p>	Included in the NVMP	C		Quarterly monitoring is occurring	C
4	<p>COMPLIANCE MONITORING</p> <p>Unless the Secretary agrees otherwise, this monitoring is to be carried out in accordance with the relevant requirements for reviewing performance</p>	Included in the NVMP	C		Monitoring is occurring and these requirements are included in the Noise management plan	C

Condition	Ministers Condition of Consent	Findings 2018 audit		Evidence	Findings 2021 Audit	C/NC/NT
	<p>set out in the NSW Industrial Noise Policy (as amended from time to time), in particular the requirements relating to:</p> <ul style="list-style-type: none"> 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 INP) and before comparison with the specified noise levels in the consent. 					

Appendix B Audit team agreement



Contact: Phillip Rose
Phone: 02 6670 8657
Email:

compliance@planning.nsw.gov.au

Our Ref: SSD-7036-PA-5 / SSD-7036

Jim Lawler
Project Director
6 Mayneview Street
MILTON QLD 4064

15/03/2021

Dear Mr Lawler

**Coraki Quarry (SSD-7036)
Independent Environmental Auditors Review Response Letter**

I refer to your request (**SSD-7036-PA-5**) nominating Natascha Arens and Erwin Budde as the suitably qualified, experienced and independent persons to undertake the Independent Environmental Audit in accordance with Schedule 5, Condition 10 of SSD 7036 (the **Approval**) for the Coraki Quarry project (the **Project**).

The NSW Department of Planning, Industry and Environment (the Department) has reviewed the nominations and information you have provided and is satisfied that Natascha Arens and Erwin Budde of NGH Pty Ltd are suitably qualified and experienced.

Therefore, in accordance with Schedule 5, Condition 10 of the Approval, the Secretary endorses the appointment of the following auditors:

- Natascha Arens of NGH Pty Ltd
- Erwin Budde of NGH Pty Ltd

Please ensure this correspondence is appended to the Independent Environmental Audit Report.

The Independent Environmental Audit must be prepared, undertaken and finalised in accordance with Schedule 5, Condition 10 of the Approval. The Department also recommends consideration be given to the Independent Audit Post Approval Requirements (Department 2020) to the extent that it does not contradict Schedule 5, Condition 10 of the Approval.

The Department reserves the right to request an alternate auditor or audit team for any future audits.

Notwithstanding the endorsement for the above listed auditors for this Project, each respective project approval or consent requires a request for the agreement to the auditor or audit team be submitted to the Department, for consideration of the Secretary. Each request is reviewed and depending on the complexity of future projects, the suitability of a proposed auditor or audit team will be considered.

If you wish to discuss the matter further, please contact Phillip Rose, Compliance Officer, on (02) 6670 8657.

Yours sincerely

A handwritten signature in black ink, appearing to read 'R. Sherry'. The signature is stylized with a large, circular flourish at the end.

Rob Sherry
Team Leader Compliance - Government Projects
Compliance

As nominee of the Planning Secretary

Appendix C Consultation

From: [Phillip Rose](#)
To: [Natascha Arens](#)
Cc: [Shelley McPhee](#)
Subject: RE: SSD 7036 - Coraki audit 2
Date: Tuesday, 11 May 2021 2:13:55 PM
Attachments: [image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)

Hi Natascha,

I thank you for seeking clarity regarding the proposed Independent Audit for Coraki Quarry.

I have just completed the 2020 Annual Review for the site and the performance of the site appears good.

The approval for the quarry expires in June 2023. Therefore, it would be timely to have an understanding of any environmental performance that may need consideration for end of life process. Particularly how rehabilitation and water quality are performing against the associated management plans, to identifying any matters that may need attention as the quarry starts decommissioning.

I hope this information is of assistance. Please contact me if you require any assistance or further clarity.

Kind Regards

Phillip Rose

Compliance Officer
Planning Services
Far Northern Region
NSW Department of Planning, Industry and Environment
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E: Phillip.Rose@planning.nsw.gov.au



**Planning,
Industry &
Environment**

If you are submitting a compliance document or request as required under the conditions of consent or approval, please note that the Department is no longer accepting lodgement via compliance@planning.nsw.gov.au.

The Department has recently upgraded the Major Projects Website to improve the timeliness and transparency of its post approval and compliance functions. As part of this upgrade, proponents are now requested to submit all post approval and compliance documents online, via the Major Projects Website. To do this, please refer to the instructions available [here](#).

From: Natascha Arens <natascha.a@nghconsulting.com.au>
Sent: Monday, 10 May 2021 11:07 AM

To: Phillip Rose <>

Subject: SSD 7036 - Coraki audit 2

Hello Phillip

I have been appointed as the approved independent auditor for the Coraki Quarry. The operational audit is required as part of the conditions of consent for the project. I will be conducting the site component on Thursday 13 Ma and continuing desktop work the following week.

Are there any particular aspects of the operation of the quarry that DPIE would like me to focus on?

Kind regards

NATASCHA ARENS
DIRECTOR OPERATIONS

M
E.

17/21 Mary Street, Surry Hills NSW
2010

NSW · ACT · QLD · VIC

WWW.NGHCONSULTING.COM.AU



From: [Geff Cramb](#)
To: [Natascha Arens](#)
Subject: RE: SSD 7036 - Coraki audit 2
Date: Monday, 10 May 2021 11:37:37 AM
Attachments: [image005.png](#)
[image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)

Good Morning Natascha
Thank you for your email.
I will pass on your enquiry to the relevant EPA personnel.
Someone should be in touch as soon as is practicable.
Regards
Geff

Geff Cramb

Operations Officer – Environment Management Unit
North Coast, NSW Environment Protection Authority
+61 2 6640 2510

Mon	Tues	Wed	Thurs	Fri
✓	✓	✓	✓	x

www.epa.nsw.gov.au [@EPA_NSW](#)

Report pollution and environmental incidents 131 555 (NSW only) or +61 2 9995 5555



I work flexibly. I'm sending this message now because it's a good time for me, but I don't expect that you will read, respond to or action it outside of your own regular hours.

From: Natascha Arens <natascha.a@nghconsulting.com.au>
Sent: Monday, 10 May 2021 11:10 AM
To: Geff Cramb <>
Subject: SSD 7036 - Coraki audit 2

Hello Geff

I understand that Janelle Bancroft was the regular contact for the Coraki Quarry, but that she has moved on. I have been provided your name by Jim Lawler and if you are not the right person to be contacting re this Coraki Quarry could you please pass this on to the appropriate person.

I have been appointed as the approved independent auditor for the Coraki Quarry. The operational audit is required as part of the conditions of consent for the project. I will be conducting the site component on Thursday 13 Ma and continuing desktop work the following week.

Are there any particular aspects of the operation of the quarry that the EPA would like me to focus on?

Kind regards

Appendix D Independent Audit Declaration Form

Project Name	Coraki Quarry
Consent No.	SSD 7036
Description of Project	Operation of Coraki Quarry
Project Address	Adjacent to Seelems Road and Petersons Quarry Road, Coraki
Proponent	KIS Quarries
Title of Audit	Independent Audit
Date	Site audit 13 May 2021
<p>I declare that I have undertaken the Independent Audit and prepared the contents of the attached Independent Audit Report and to the best of my knowledge:</p> <ul style="list-style-type: none"> the audit has been undertaken in accordance with relevant condition(s) of consent and the <i>Independent Audit Post Approval Requirements (Department 2018)</i>; the findings of the audit are reported truthfully, accurately and completely; I have exercised due diligence and professional judgement in conducting the audit; I have acted professionally, objectively and in an unbiased manner; I am not related to any proponent, owner or operator of the project neither as an employer, business partner, employee, or by sharing a common employer, having a contractual arrangement outside the audit, or by relationship as spouse, partner, sibling, parent, or child; I do not have any pecuniary interest in the audited project, including where there is a reasonable likelihood or expectation of financial gain or loss to me or spouse, partner, sibling, parent, or child; neither I nor my employer have provided consultancy services for the audited project that were subject to this audit except as otherwise declared to the Department prior to the audit; and I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from payment for auditing services) from any proponent, owner or operator of the project, their employees or any interested party. I have not knowingly allowed, nor intend to allow my colleagues to do so. <p>Notes:</p> <p>a) Under section 10.6 of the <i>Environmental Planning and Assessment Act 1979</i> a person must not include false or misleading information (or provide information for inclusion in) in a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is false or misleading in a material respect. The proponent of an approved project must not fail to include information in (or provide information for inclusion in) a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is materially relevant to the monitoring or audit. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000; and</p> <p>b) The <i>Crimes Act 1900</i> contains other offences relating to false and misleading information: section 307B (giving false or misleading information – maximum penalty 2 years imprisonment or 200 penalty units, or both)</p>	
Name of Auditor	Natascha Arens

Signature	25/05/2021
Qualification	B App Science, Master of Business and Environmental Management, Certified Exemplar Global Principal Environmental Auditor.
Email Address	natascha.a@nghconsulting.com.au
Company	NGH Pty Ltd
Company Address	17/21 Mary Street, Surry Hills NSW 2010

Appendix E Site Inspection Photographs



Figure 1: Dust cart in operation



Figure 2: Plant Maintenance area



Figure 3: Stockpiling



Figure 4: Quarry operations



Figure 5: Quarry operations showing vegetated benched area marking the boundary

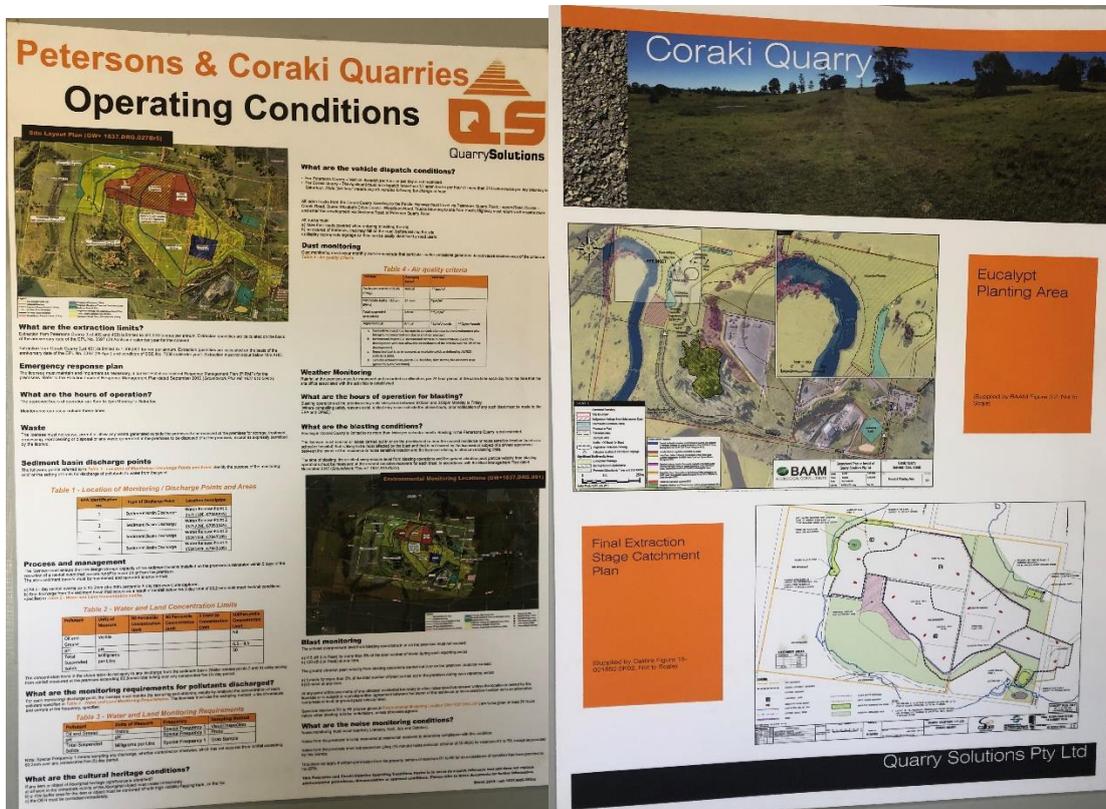


Figure 6: A1 Posters showing operating conditions and biodiversity and rehabilitation plan