

Gunlake Quarry Independent Environmental Audit

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1. Introduction

This audit has been prepared in accordance with the NSW Department of Planning Industry and Environment (DPIE) Independent Audit Post Approval Requirements June 2018. The following document sets out the scope of the audit, methodology and audit findings.

1.1 Background

Gunlake Quarry (the Quarry) is a hard rock quarry operated by Gunlake Quarries Pty Ltd (Gunlake) and is located approximately 7 km northwest of Marulan, off the Brayton Road.

This audit represents the first independent compliance audit for Gunlake Quarries under the State Significant Development (SSD) consent LEC 2017/108663. Condition 11 of Schedule 5 of the development consent requires that an independent audit be undertaken to verify compliance with the relevant conditions of consent. This first audit is required to be conducted within 12 months of the date of commencing the development and every three years thereafter. The effective date of development commencement under the current approval was 7th August 2018. The previous approvals held were surrendered on the 6th August 2018.

1.2 Development Consent

Gunlake Quarry originally commenced operation following the receipt of Project Approval 07_0074 which was granted by the Minister for Planning under Part 3A of the Environmental Planning and Assessment Act 1979 (EP&A Act) on 24 September 2008. This approval was subject to three modifications and ultimately replaced by the current SSD approval granted by the Land and Environment Court on 30th June 2017.

The SSD approval involved an extension to the quarry footprint and increase in quarry extraction rate to 2 million tonnes per annum. The approval is currently the subject of a proposed modification to Condition 32 of Schedule 3 in relation to Biodiversity Offsets. At the date of this audit, this modification has not yet been approved. There was also some overlap between the SSD approval and the Part 3A approval up until its surrender.

1.3 EPA Environment Protection Licence

The quarry holds Environment Protection Licence 13012 administered by the Environment Protection Authority covering all scheduled activities undertaken at the Quarry. The licence anniversary date for EPL 13012 is 13th July each year.

1.4 Audit objectives

The conduct of this audit included the following activities:

- Review of all environmental management plans;
- Review of all collected environmental monitoring data;
- Interviews with key management personnel;
- Detailed site inspection; and
- Consultation with relevant government agencies and the Community Consultative Committee.

The following report provides an assessment of compliance against the current SSD approval, the implementation of the required management plans and assessment of environmental performance of the operation. A detailed checklist against the conditions of the development consent is attached. The checklist follows the requirements of the Independent Audit Post Approval Requirements 2018 published by the Department of Planning and Environment. The following sections detail the status of the current operation, environmental management provisions and performance and compliance.

1.5 Audit Scope

The scope of this audit includes consideration and assessment of:

- conditions of SSD 2017/108663;
- management plan requirements and effectiveness;
- implementation of the environmental management plans;
- requirements of relevant regulatory agencies;
- the key regulatory risks, including past or future risks;
- assessment of actual impacts compared to predicted impacts documented in the environmental impact assessment;
- the performance of the operation;
- any environmental incidents or community complaints;
- feedback received from regulatory agencies on the performance of the operation or on any issues of concern; and
- feedback received from the community consultative committee on the performance of the operation.

As this is the first audit of the new consent, the requirement to assess the implementation of previous audit findings is not relevant, however audits and reviews conducted on previous Project Approval have been referred to.

1.6 Audit Criteria

In June 2018, the NSW Department of Planning, Infrastructure and Environment (DPIE) issued the Independent Audit Guideline which seeks to ensure that independent audits of State Significant Developments in NSW are conducted in a consistent manner and meet minimum standards expected by the Government. These guidelines are applicable to this and subsequent audits for Gunlake Quarry.

The consent lists a number of performance measures in Schedule 3. These cover noise, blasting, air quality, soil and water, transportation, biodiversity, heritage, waste and visual impacts. The criteria are largely based on the data provided in the EIS and commitments made by Gunlake Quarry.

1.7 Endorsement of Auditor

Mr Robert Byrnes of International Environmental Consultants Pty Ltd was approved by the Department of Planning to undertake the independent audit. Correspondence from DPIE is attached in Appendix B. Mr Byrnes holds a Bachelor of Science and post graduate qualifications

in environmental science and has 35 years experience in environmental assessment and management of mining and extractive industries.

1.8 Audit Period

The audit period covers the date of commencement of SSD 2017/108663, that is, 7th August 2018 to 30th September 2019.

2. Audit Methodology

The audit process involved the interview of site personnel, a review of documentation and samples of records provided by quarry management and a site inspection of the operations to determine the level of compliance of the operations and assess the status of the quarry's operational performance. The audit process and methodology are described in more detail in the sections below.

2.1 Document Review

Documents, information and data available for this audit included:

- Environmental studies contained in the SSD EIS.
- Environmental management plans prepared in response to the approval.
- Monitoring data and reporting.
- Internal company documents such as weighbridge records.
- Advice from government agencies obtained through email and/or telephone discussions;
- Advice from the Community Consultative Committee; and
- Site inspection and interviews with Ed O'Neil and David Kelly.

A list of documents used, reviewed or sighted as part of the audit is provided in Section 3.1. Specific environmental management plans are listed in Section 3.1.1. These were separately reviewed and used to assess effectiveness of environmental management systems on site. Several additional documents were sighted during the audit interviews including quarry plans, survey documents, production records and equipment maintenance records. These were viewed but no copies were made.

2.2 Opening meeting

The opening meeting was held onsite at Gunlake Quarry office at on 26th July 2019. The audit scope was discussed as well as information requirements for the audit. The audit methodology was described including the need for verification. The verification could be in the form of sighting documents, cross checking a sample of monitoring data or digital records, confirmation advice from agencies and visual inspection. The on site interviews were arranged and a short site inspection was undertaken.

2.3 Site Interviews and Inspections

2.3.1 Site Interviews

Interviews were held on 26th July and 14th August 2019. David Kelly was present for each meeting while Ed O'Neil was present for the second meeting. During these interviews, each condition of consent was methodically worked through. Where necessary, evidence was requested to verify compliance. A more detailed site inspection was conducted after each interview day to confirm some aspects of the consent requirements.

All information requested was provided at the time of the interview or by email shortly after. The full list of information made available for the audit is provided in Section 3.1.

2.3.2 Data Collection and Verification

Where possible, documents and data were collected and reviewed prior to the on site audit inspections. Several documents were provided during the site visit.

All information obtained during the audit process was verified by the auditor where possible. For example, statements made by site personnel were verified by viewing documentation and/or site inspections where possible. Photographs were taken of key points around the site.

AS/NZS ISO 19011 Guidelines for Auditing Management Systems, provides a protocol for verification of environmental data. The environmental monitoring data was verified by the following methods:

- cross checking a random set of 6 Laboratory Chain of Custody forms and corresponding Certificates of Analysis.
- Checking 10 random blast reports with the result summaries provided in the online reporting.
- Review of the daily weighbridge records for June 2019 to determine actual truck numbers and start times.
- Checking the most recent 4 noise survey results.

No samples or measurements were taken for third party verification.

2.3.3 Site Inspections

A total of three separate site inspection were undertaken which focused on but was not limited to the operations and management of the following areas:

- The current extraction area including the main in-pit sump;
- Processing and stockpiling site;
- Overburden emplacement including the outer face of completed batters;
- Survey points showing the approved development footprint;
- Rehabilitation areas;
- The water management system including pollution control ponds and main drainage lines;
- The Biodiversity Offset Areas; and
- Fuel and oil containment facilities, workshop and storage areas.

2.4 Closing Meeting

The closing meeting was held onsite at Gunlake Quarry office on 17th October 2019. The objectives of this meeting were to discuss any outstanding matters, present preliminary findings and outline the process for finalising the audit report.

2.5 Authority Liaison

The following agencies and organisations were contacted as part of this audit.

- Department of Planning, Infrastructure and Environment.
- Roads and Maritime Services.

- WaterNSW.
- Goulburn Mulwaree Shire Council.
- Environment Protection Authority.
- Office of Environment and Heritage.

Responses received are contained in Appendix B and summarised in the following table.

Authority	Response	Comment
DPIE	Requested particular attention to: 1. Traffic 2. Blasting 3. Approved extraction limits/disturbance areas (conditions 18 to 20 of Schedule 2)	Truck transport levels have been checked and verified as complying with approval conditions. Blasting records have been inspected and demonstrate compliance. The approved footprint has been surveyed and the pegs were inspected during the audit.
WaterNSW	Areas of Concern: 1. On-site effluent management system a. Does the system have adequate capacity b. Is the system working properly (it has failed in the past) 2. Management of the existing eroding areas	The septic system was inspected and there was no sign of discharge or runoff from the irrigation area. The system is inspected by licensed contractor on a quarterly basis. Phosphorus levels below the unit are low but there is elevated Nitrogen which indicates the unit may need attention. There is still evidence of erosion on site which forms part of the recommendations.
RMS	1. Condition 26a) requires the developer to construct an acceleration lane. They have constructed the lane and achieved practical completion. They have to rectify a few issues (which they are aware of) before we can issue them with final completion (and return their bond which we retain under a legal agreement with them titled a Works Authorisation Deed). 2. RMS requests your audit verify Gunlake are complying with their conditions of consent with respect to Condition 9 of Schedule 2.	Since the date of the RMS advice, Gunlake has fully resolved the remaining issues in relation to the acceleration lane. The bond has now been returned. Condition 9 refers to product transport. This audit can confirm that the maximum daily movements have not been exceeded.
Council	At this point in time there are no issues of concern that Council wish to raise for inclusion within the audit. Through Council's participation in the Community Consultative Committee I can advise that all issues relating to noise appear to have been resolved, primarily via the enclosure of the crusher, whilst Council's concerns in relation to traffic have been alleviated via the completion of the required haul route upgrade.	Council's comments in relation to the functioning of the CCC have also been confirmed by the Chair as discussed in Section 2.5.1.
EPA	Correspondence received and provided in Appendix C. Four complaints received over past 2 years, all involved noise and blasting. The EPA undertook unattended noise monitoring and the quarry was demonstrated to comply with noise limits. Other complaints investigated and the quarry was either not the cause or was complying. EPA advised that there are dust issues associated with extractive industries in the Marulan area which is a general concern and will be undertaking announced and unannounced site inspections of all licensed premises to ensure licensees are proactive in the management of dust from their premises.	The issue of noise has been covered in this audit. Based on the data available, this audit can also confirm that the noise levels generated by the quarry are in line with the assessment contained in the EIS and as listed in the development consent. The issue of dust generation forms part of the recommendations of this audit.
OEH	OEH advised that the audit should focus on: Condition 38 of Schedule 3, require the lodgement of Biodiversity and Rehabilitation plan. The audit could investigate how this plan has been implemented, in particular in relation to the requirements for fencing, stock exclusion, implementation of weed and erosion control, establishment of nest boxes, and the progress on passive regeneration in the biodiversity offset areas.	This audit has confirmed that the Biodiversity and Rehabilitation Plan was lodged with OEH as a draft on 19 th February 2018 and a response was received by OEH on 5 th March 2018. The revised plan was relodged with OEH but has yet to receive final approval The Biobanking Agreement has been executed and is moving through the administrative process. The Biobanking area has been fenced and nest boxes have been installed.

	<p>Condition 39 schedule 3 also require the lodgement of a biodiversity and Rehabilitation bond – determine whether this bond been lodged.</p> <p>Condition 32 of the Project Approval (07-0074) and Condition 30(a) of the Development Consent (SSD 7090) requires the preparation of an Aboriginal Heritage Management Plan (AHMP). We provided comments on a revised AHMP back on 16 February 2018.</p> <p>We suggest the Audit focuses on aspects regarding the adequacy of the AHMP, including but not limited to; Confirm that the OEH comments from 16 February 2018 were incorporated into a new revised AHMP. A copy of this revised AHMP should be forwarded to us for our records. Confirm that consultation on revisions of the AHMP has been undertaken with the Aboriginal community. Confirm whether the safeguards and mitigation measures outlined in the consent, EIS commitments and AHMP have been followed.</p>	<p>The Bond will be required once the Plan has been approved. This is anticipated following approval of the Mod 1 application.</p> <p>AHMP has been approved by the DPIE on 16th April 2018</p> <p>OEH comments were addressed in the Plan and confirmed by email to OEH dated 5th March 2018.</p> <p>Consultation log contained in AHMP included 29 registered Aboriginal parties. Comments were received from 3 parties and addressed in the final AHMP. The AHMP was approved by DPIE on 16th April 2018.</p>
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2.5.1 Community Consultative Committee

Mr Don Elder, the Chair of the Community Consultative Committee (CCC) was contacted by email and telephone. Mr Elder relayed the request for input to the CCC members and his response was as follows:

“Two community members of the CCC have responded to my request for input to assist you with your audit. No response from any other member. To summarise the responses:

- There are concerns about traffic noise. It is not known whether Gunlake has reached the level where it has to comply with Condition 9 but this Condition must be observed when it does.
- Litter on the main cartage road is a continuing problem. It is recognised that this is not solely Gunlake drivers but more action should be taken to reduce litter.
- Gunlake has a Code of Conduct for drivers but this is being breached particularly in relation to distance between trucks.
- Gunlake does not appear to ‘recognise the value and importance of the CCC’. There have been at least two instances of this. Firstly, in not advising the CCC of an appeal it had lodged and secondly not fully advising on the application to vary the consent. I agree with this comment and in both instances, I found out about these matters from either Press reports or correspondence or from other CCC members. The situation has improved over the last two or so years but there is room for more improvement. It is embarrassing for Community Members to be questioned by members of the community about some company action they know nothing about.”

A telephone conversation with Mr Elder occurred on 6th September 2019. The following notes were derived from the conversation:

- The operation of the CCC had improved over the years and is currently functioning very well.
- There are no current outstanding environmental issues at the quarry.

- The most recent issue was noise which involved a separate noise investigation by the EPA. This issue was resolved to his knowledge following the enclosure of the primary crusher.
- Truck transport will be an ongoing issue, but the company appears to be proactively resolving issues as they arise.
- There have been some communication problems in the past, but the new company representative has resolved this issue.

The minutes of the CCC meetings are provided on the Gunlake Web page. These minutes demonstrate that the meetings provide an update on the quarry operation, transport and markets, employment, consent issues, community feedback and complaints. Several meetings discussed the progressive upgrading of the primary transport route which appears to be a key issue of concern to the community. The CCC is also provided with copies of correspondence with agencies and community members, monitoring data and reports.

2.6 Compliance Status Descriptors

The reporting of results from the compliance audit was determined based on the definitions presented below in Table 1. The results of the compliance audit are presented in Appendix A.

Status	Description
Compliant	The auditor has collected sufficient verifiable evidence to demonstrate that all elements of the requirement have been complied with within the scope of the audit.
Non-compliant	The auditor has determined that one or more specific elements of the conditions or requirements have not been complied with within the scope of the audit.
Not triggered	A requirement has an activation or timing trigger that has not been met at the time when the audit is undertaken, therefore an assessment of compliance is not relevant.

The current DPIE guidelines do not allow for separate categories of non-compliance. However, AS/NZS ISO 19011 provides for grading of nonconformities and non-compliances. The purpose of grading is to reflect the severity of environmental risk associated with the non-compliance. This audit presents the findings in accordance with the three categories provided in the DPIE guidelines but also provides an additional comment where considered appropriate, on severity using the following grading:

- The non-compliance has or could result in an exceedance of assessment criteria or environmental harm.
- The non-compliance has not and would be unlikely to result in an exceedance of assessment criteria or environmental harm.
- The non-compliance is administrative in nature and has not and could not in itself result in an exceedance of assessment criteria or environmental harm.

In addition to the above descriptions of non-compliance, the audit has included observations and comments on the adequacy of environmental controls and procedures.

3. Audit Findings

3.1 Documentation Used in the Audit

The documents used in this audit have been separated into assessment and approval related, environmental management plans and other data sources and reports.

3.1.1 Environmental Management Plans

Gunlake have updated their environmental management plans following the receipt of the SSD approval. These plans are all listed on their web page. The following plans have been reviewed as part of this audit:

- Environmental Management Strategy April 2016 <http://www.gunlake.com.au/wp-content/uploads/2016/05/Gunlake-EMS.pdf>
- Aboriginal and Heritage Management Plan April 2018 <https://www.gunlake.com.au/wp-content/uploads/2018/07/Gunlake-Aboriginal-Heritage-Management-Plan-2018.pdf>
- Noise and Blast Management Plan April 2018 <https://www.gunlake.com.au/wp-content/uploads/2018/07/Gunlake-Noise-and-Blast-Management-Plan-2018.pdf>
- Air Quality Management Plan April 2018 <https://www.gunlake.com.au/wp-content/uploads/2018/07/Gunlake-Air-Quality-Management-Plan-2018.pdf>
- Rehabilitation and Biodiversity Offset Management Plan October 2015 <http://www.gunlake.com.au/wp-content/uploads/2016/05/Rehabilitation-and-Biodiversity-Offset-Management-Plan.pdf>
- Biodiversity and Rehabilitation Management Plan dated February 2018. In draft form awaiting determination of MOD1 application.
- Traffic Management Plan April 2018 <https://www.gunlake.com.au/wp-content/uploads/2018/07/Gunlake-Traffic-Management-Plan-2018.pdf>
- Soil and Water Management Plan April 2018 <https://www.gunlake.com.au/wp-content/uploads/2018/07/Gunlake-Soil-Water-Management-Plan-2018.pdf>

Most of these plans represent revised versions of the original plans prepared under the Part 3A approval.

3.1.2 Environmental Studies and Assessments

The primary environmental studies and assessments used formed part of the latest SSD approval process. Earlier studies were available but were not reviewed. The documents used in this audit is as follows:

- State Significant Development (SSD) consent 2017/108663 dated 30th June 2017;
- Gunlake Quarry Extension Project Environmental Impact Statement, April 2016;
- Land Resources and Rehabilitation Study February 2016;
- Gunlake Quarry Environmental Management System August 2015;
- Gunlake Quarry Extension Surface Water Assessment February 2016;
- Gunlake Groundwater Assessment March 2016;

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- Gunlake Quarry Biodiversity Assessment March 2016;
 - Gunlake Quarry Extension Transport Assessment February 2016;
 - Gunlake Quarry Extension Noise and Vibration Assessment February 2016;
 - Gunlake Quarry Extension Air Quality and Greenhouse Gas Assessment, February 2016;
 - Gunlake Quarry Extension Project Aboriginal Cultural Heritage Assessment February 2016;
 - Gunlake Quarry Economic Assessment February 2016;
 - SSD MOD1 Statement of Environmental Effects March 2019;

3.1.3 Environmental Monitoring and Records

Environmental monitoring work associated with these plans is published on Gunlake's web page at <http://www.gunlake.com.au/gunlake-quarries/environment/> and includes:

- Collection of depositional dust at three points and atmospheric dust (PM₁₀) at two high volume air sampling sites;
- Noise and Blast monitoring at various locations;
- Collection of groundwater at four bore sites; and
- Collection of ambient surface water at two sites downstream of the quarry and at two internal ponds.

In addition to the reported monitoring data, Gunlake operate a dedicated weather station on site, undertakes routine noise monitoring of its operations and has commenced monitoring and recording of rehabilitation activities and management of the Biodiversity Offset Areas. All monitoring data and records collected by Gunlake Quarries were reviewed as part of this audit. Specific documents sighted in this audit are listed below:

- Environment Protection Licence 13012;
- Water Access Licence WAL42340 dated 26th April 2019
- Gunlake Community Consultation Committee Meeting minutes for the auditing period;
- Australian Waste Oil docket (6 random chosen);
- Gunlake Quarries Web Monitoring Reports May 2015 to September 2019;
- Dust deposition data February 2010 to September 2019;
- HVAS PM₁₀ atmospheric dust data December 2014 to July 2019;
- Groundwater monitoring results December 2014 to September 2018;
- Surface water monitoring results July 2010 to July 2019;
- Blast Reports 10 April 2015 to August 2019;
- Noise Compliance reports November 2011, April 2013 and quarterly monitoring 2019;
- Quarry survey plan and site layout;
- Sample production records showing truck numbers;
- Complaints Register; and
- Sample weighbridge docket and full spreadsheet details for July and August 2019.

3.1.4 Environmental Reports

The following additional environmental reports were reviewed as part of the audit:

- Gunlake Quarry Annual Reviews;
- Goulburn Mulwaree Council Building Approval S68/0023/0910 12th February 2010.
- Environmental Monitoring Results September 2019 <https://www.gunlake.com.au/wp-content/uploads/2019/09/Gunlake-Web-Monitoring-DC-August-31-2019-.pdf>

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- Gunlake Quarry EPA License <https://www.gunlake.com.au/wp-content/uploads/2018/11/Gunlake-Quarry-EPA-Licence.pdf>
 - Quarterly Monitoring of Chapman's Creek Report
 - Gunlake Quarry Noise Compliance Monitoring N1 Report
 - EMM Sound Power Level testing Acoustic Enclosure of Primary Crusher 29th January 2018.
 - Biobanking Agreement Application dated 19th February 2018.
 - Biobanking Credit Report, Office of Environment and Heritage dated 20th February 2018.
 - Biodiversity Assessment Report, EMM 20th February 2018.
 - Correspondence to OEHL from EMM re Offset Security Mechanism for Gunlake Quarry Biodiversity Offset Strategy dated 21st February 2018.
 - Various correspondence from government agencies in relation to the draft and final management plans.

3.2 Compliance Performance

A detailed breakdown of the audit findings is provided in Appendix A. There were 4 noted non-compliances with the development consent. Overall the operation has a very good level of compliance. The non-compliances are mostly administrative in nature and do not pose a risk to the environment, increases environmental impacts or otherwise detract from the intent of the condition.

3.3 Notices, Penalties and Prosecutions

There have been no notices or penalties issued by regulatory authorities since the quarry commenced operations. The EPA advised that they had received a total of 4 complaints over the past 2 years however on investigation, the operation of Gunlake Quarry was either not the cause or was otherwise complying with its operational requirements. Separate independent noise monitoring was undertaken by the EPA and the quarry was found to comply with its noise assessment criteria.

There have been no prosecutions or court action initiated since the quarry commenced operations. The planning platform for the quarry rests with the NSW Land and Environment Court due to the appeal process associated with the SSD approval.

3.4 Previous Audit Recommendations

This is the first audit undertaken under SSD 2017/108663. Recommendations made as a result of this initial audit are provided in Section 4.

3.5 Monitoring Data Review

Gunlake reports data required by the consent on both its web page and in its Annual Review. This data was reviewed as part of this audit and the following observations were noted:

- The prevailing wind direction is from the West to Southwest quadrant indicating that Dust Deposition Gauge 1 and the R1 HVAS PM₁₀ unit are best positioned to determine dust generation from the operation as these are located down wind from the extraction,

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- processing and overburden dumping activities. Both these gauges have shown compliance with the required deposition and atmospheric dust criteria up to August 2019. The most recent results for PM₁₀ was elevated however this was a result of widespread dust caused by abnormally high winds and prevailing drought conditions.
- ❑ There are some individual months where dust readings at DDG1 showed elevated total insoluble solids readings however the corresponding mineral dust component, that is, the ash residue was low indicating the source of the dust was not attributable to quarrying activities.
 - ❑ DDG3 is located generally upwind of the quarry but often shows elevated dust readings. This indicates that there are other sources of dust in the local area which may be contributing to the readings at the quarry. These additional dust sources should be identified and quantified.
 - ❑ Reviewing the entire dust monitoring record, the three gauges have shown variable trends since the commencement of operations. DDG1 has remained relatively stable but with a slight decrease since commencement of this audit period. The average of DDG2 and DDG3 however have increased over the past 12 months compared with earlier years.
 - ❑ Noise monitoring has progressed from external noise compliance audits to in-house monitoring. The external noise audits demonstrated compliance with noise criteria while the in-house monitoring adopts a verification approach to the original model. This approach assumes that the original noise model is sufficient to accurately predict compliance at receiver locations if measured intervening levels are at or below previously recorded levels. The data obtained over the past 12 months appears to confirm this approach.
 - ❑ Unattended noise monitoring conducted by the EPA in response to noise complaints also confirms that noise levels at this stage comply with performance criteria.
 - ❑ Blast monitoring continues to be undertaken by an external contractor and the results show compliance and adequate blast design systems.
 - ❑ Surface water monitoring results show slight variations over the past year. The variation can be attributed to the fact that the monitored streams are ephemeral and therefore water quality reflects the flow regime rather than any influence from the quarry. Although the quarry does not discharge water, the monitoring program attempts to sample during periods when all sites exhibit flowing water. This was not possible over the past 12 months due to the prevailing drought conditions. Gunlake do not have a licence to discharge water however the results of on site water quality monitoring over this audit period show that the water would be suitable to discharge.
 - ❑ Background Nitrogen levels in Chapmans Creek have increased however as the quarry has not discharged water, this is likely the result of localised fertiliser application. An issue raised by WaterNSW in relation to the performance of the onsite septic system could not be examined in detail. At the time of the audit, the irrigation system was dry and there was no indication of leakage or overflow. This will need further examination.
 - ❑ Groundwater monitoring also shows slight variation in water quality since commencement of the quarry. There has been a slight increase in salt concentration in bore GM13 since the commencement of the drought but other water quality parameters do not indicate contaminants from the quarry. There are no statistic variations in water quality since the commencement of the SSD and there is no indication that the quarry has had any impact on groundwater quality.

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- Groundwater piezometric data show very consistent groundwater levels since the approval of the SSD. This is the same as historic data. There is also little evidence that levels have been adversely affected by the drought. There does not appear to be any localised drawdown from the quarry excavation however this is expected to occur as the quarry deepens and extends. The EIS predicted that during the first five years excavation that no impacts to groundwater levels would occur however a 2m draw down would occur progressively from year 5 onwards. At this stage, the monitoring data confirms the EIS predictions.
 - Monitoring of the Biodiversity Offset and Riparian Management Zone is monitored by taking quarterly photos from 4 sites. These photos do not show any significant change to the vegetation however there is evidence of drier groundcovers due to the severe drought. There has been no dieback which has been common in the region. There is a section of gully erosion in the riparian zone however there is no evidence of this extending since the commencement of the SSD.
 - Photographic records of the rehabilitation areas show a deterioration in vegetation cover, health and vigour. Given the prevailing drought conditions this is to be expected however it needs to be carefully monitored to ensure tubestock planting do not ultimately fail.
 - The monitoring data records are kept on site and were easily located during the audit interviews. Data summaries are hosted on Gunlake's web page and the sample of raw data collected demonstrated that the web page summaries are accurate.

3.6 Site Inspection and On-Site Environmental Management

The site inspection covered all aspects of the quarry operation and a photographic record is provided in Appendix C. The inspection included:

- Office and weighbridge;
- Workshop and storage area;
- Waste treatment area;
- Crushing, screening and stockpile area;
- Extraction area;
- Overburden emplacement;
- Rehabilitation areas;
- Creeks, drainage channels, dams and external embankments; and
- Biodiversity offset area.

A separate drive around the site using public roads to obtain views of the quarry from a distance was undertaken as well as observations of quarry trucks entering and leaving the site. Trucks using the Hume Highway acceleration lane and merging with highway traffic was also observed.

On the day of the site inspection, all trucks left the site with their loads covered. There were no observed traffic issues and intersection performance was satisfactory with no truck queues. There was no evidence of visual dust leaving the quarry when viewed at a distance or from any publicly accessible vantage point.

During the site inspection, the water pollution control systems were functioning correctly with no evidence of past offsite discharge or poor quality water. There was evidence of erosion of some drainage lines which will need to be corrected. Erosion is often a problem during drought periods

as the protective vegetation cover reduces and when storm events occur, soil is easily mobilised. The main drainage lines are rock lined however there is some bypassing caused by sediment build-up.

The current extraction area, processing and stockpiling site and overburden emplacement were inspected and no visible dust was observed. A water cart was in operation at the time of the audit inspection.

The outer face of completed batters along the existing overburden emplacement and noise bund have been rehabilitated. The quality of the rehabilitation is good however there is evidence of water stress due to the prevailing drought conditions. An observation was made that some trees may die and if this occurs they should be replaced when rainfall improves.

There was some minor rill erosion evident where ground cover is light. These will need to be corrected by filling and shaping. Additional planting may be necessary for stabilisation. Revegetation activities should occur when soil moisture improves.

The water management system was inspected. There are several rock protected channels which lead to the pollution control ponds on the eastern side of the quarry. These control runoff from the emplacement area and part of the quarry. All channels have been protected from erosion by either complete rock lining or through the use of regular rock check dams. Both measures are standard "Blue Book" methods.

The Biodiversity Offset Area was inspected. Fencing of the offset areas has been completed. It was noted that natural regeneration is occurring and evidence of this was recorded during this audit. The regeneration is largely coming from the original remaining shade trees so it will be important to ensure that adequate diversity is maintained in the future. This may require planting of additional species, particularly ground cover and shrubs in order to achieve the stated objective of Biodiversity Offset Management Plan to "Enhance offset areas on site to improve habitat value, riparian zones and vegetation community function".

There is also evidence of minor woody weeds (blackberry) and some tussock grass encroaching in the offset areas. This will require ongoing controls to ensure infestations do not increase. In time, the regenerating native community will adequately control weeds.

An inspection of the fuel and oil containment facilities, workshop and storage areas showed adequate house keeping and did not indicate any areas of potential pollution, contamination or non-compliance.

3.7 Community Liaison

Inspection of the community complaints register showed that there have been no complaints during the audit period. A review of the minutes of the Community Consultation Committee (CCC) meeting indicate that most issues are quickly resolved. Noise and traffic issues has been regularly discussed. Minutes are prepared which document each issue raised by the committee, Gunlake's response and agreed actions to be taken. Minutes are presented at each CCC meeting. This process satisfies the consultation requirements of Condition 4 of Schedule 5 of the approval and the Department's CCC guidelines.

As discussed in Section 2.5.1, the CCC was contacted as part of this audit and a number of issues were raised. The function and purpose of the CCC is considered satisfactory and issues raised are proactively addressed and resolved by Gunlake.

3.8 Authority Liaison

As part of this audit, the Department of Industry and Environment, Environment Protection Authority, Roads and Maritime Service, Office of Environment and Heritage, Goulburn Mulwaree Council and WaterNSW were contacted by email to seek their input on any issues of concern or on any specific matters to be addressed in the audit. A summary of the issues raised is provided in Section 2.5.

The issues raised by WaterNSW have formed recommendations for future actions. This audit could not confirm that the on site effluent management system was functioning correctly. Records indicated that the unit has been serviced and there was no indication of overload, spillage or previous failure, however elevated Nitrogen levels below the unit indicates that there could be issues with the treatment system.

DPIE raised traffic, blasting and approved disturbance limits as issues to be addressed. This audit can confirm that traffic and blasting is currently being managed in accordance with the consent and no additional management initiatives are considered necessary. The development approved site footprint has been surveyed and pegged.

The RMS raised specific issues in relation to the finalisation of the acceleration lane which were resolved during the course of this audit and the bond has been returned to Gunlake. The RMS also requested verification of product transport and daily truck movements which were confirmed as part of this audit.

Goulburn Mulwaree Council raised no specific issues but confirmed that the CCC was functioning satisfactorily while the EPA noted general concerns in relation to dust generation in the region. The EPA also advised that it had received some complaints but upon investigation, which included noise monitoring, confirmed that the quarry was meeting its noise limits.

OEH sought specific information and confirmation on matters in relation to the Biodiversity and Rehabilitation Plan as well as the Aboriginal Heritage. These issues are addressed as part of this audit. It should be noted that the Biodiversity and Rehabilitation Plan has not yet been approved however the Biobanking Agreement has been executed. Some components of this aspect are the subject of an application to modify the consent (referred to as MOD1) and as a consequence, DPIE has provided an extension to the time required to finalise this matter.

3.9 Record Keeping

The success of the Environmental Management System often rests with good data collection, proper analysis of data and record keeping. The environmental data is all kept on site and there is a system to enable ongoing management of data to identify trends and potential future exceedences. There are Trigger Action Response Plans available for noise and dust.

3.10 Environmental Management Plan Review

All required environmental management plans have been developed and where necessary approved by DPIE. The Rehabilitation and Biodiversity Offset Management however has yet to

be updated following approval of the SSD. Gunlake advised that this is due to the current modification application which deals specifically with this issue, as well as the finalisation of the Biobanking Site, and the plan will be updated once both are completed to which an extension of time has been granted by NSW DPIE.

The Environmental Management Strategy (EMS) should be updated to include details of the SSD approval and changes to production and transport rates. The structure and content of the EMS is otherwise satisfactory.

The water balance contained in the Water Management Plan may need be reviewed in light of the extended drought. The plan considers the potential need to irrigate excess water which could have been necessary prior to the quarry extension in higher than average rain years. With the larger quarry footprint and lower than average rainfall, there is a minimal likelihood of this being required in future. There may however, be the need to store greater water quantity during rainfall periods to enable sufficient water storage for dust suppression in low rainfall years as is the case at present.

The erosion and sedimentation control plan in Chapter 4 of the Water Management Plan provides a detailed description of the type of controls needed on site. These have been implemented in accordance with the plan however this audit has shown that some of these structures require maintenance work to improve their performance.

The remaining management plans are currently being implemented on site and no inadequacies have been identified.

3.11 Actual vs Predicted Impacts

The 2019 Annual Review included an assessment of actual impacts versus predicted impacts and indicated that the measured impacts have all been in line with those predicted in the EIS and listed in the consent. The assessment included dust, noise and blasting and found the quarry was in compliance. The raw data used in the Annual Review was checked and no evidence has been identified that would otherwise contradict these conclusions.

Information was also provided on rehabilitation, erosion and sedimentation, surface water quality and groundwater levels. The criteria used to assess environmental performance have been derived from the EIS and development consent while the monitoring program has been designed to verify the achievement of the performance criteria. As this audit covers the first year of operations under the new SSD, there is insufficient data to determine compliance. This will come over time when there is more data to develop trends.

This audit has identified that the prevailing drought has caused notable stress in the rehabilitation areas and bare patches are at risk of erosion.

3.12 Previous Annual Review and Compliance Recommendations

The 2019 Annual Review was the first prepared under the current approval. The Annual Review did not provide the required Compliance Table. It was noted in the audit interview that Gunlake management determined that it was prudent to allow this audit to reflect the compliance status of the operation as the audit period and the Annual Review period were essentially the same. This audit has noted 4 non-compliances which it is recommended to be followed up by Gunlake and discussed in the 2020 Annual Review.

3.13 Improvement Opportunities

Overall the site is considered well managed. Areas of concern relate largely to external factors which are outside the control of Gunlake. Rehabilitation work undertaken over recent years is surviving but showing signs of stress. Ground cover is sparse which can create dust and potential for erosion, however revegetating these areas is not possible until soil moisture improves.

Weed growth is evident around the site which needs to be addressed. This appears to be caused by the spread of weeds from neighbouring agricultural land.

Fuel and oil storage and handling systems can be improved by additional bunding and control of delivery drip points. Although the current systems are not a non-compliance issue and are currently adequately managed there is a risk of future contamination if not upgraded.

3.14 Key Strengths

The key strengths of Gunlake Quarry are listed below:

- Good location with few non-company owned residential receptors and restricted visual access to publicly accessible vantage points.
- Good truck access to and from the quarry caused largely by the construction of new road infrastructure and access point to the Hume Highway.
- Currently operating as a nil discharge site reduces the risk of off site contamination in the event of any failure within the water management system.
- Large buffer land around the quarry which will reduce the potential for new residential receptors in future.
- Large resource of State significance with over 100 year life.

4. Recommendations

4.1 Summary of Recommendations

The following recommendations have resulted from this audit:

- Update the Rehabilitation and Biodiversity Offset Management Plan following determination of the SSD MOD1 application and finalisation of the BioBanking Agreement.
- Repair areas of erosion within the stormwater control system below the original emplacement area.
- Spray areas of tussock and blackberry.
- Investigate the performance of the sewage treatment system and investigate causes of elevated nitrogen downstream of the site.
- Review and update the Water Management Plan with respect to very low rainfall scenarios and determine if there are opportunities to store and conserve additional water on site.
- Review the existing groundwater monitoring program with a view to increasing the number of monitoring bores, particularly on the western side of the quarry footprint in order to more accurately determine draw down as the quarry develops.
- When rainfall improves determining the presence of seeps and springs on nearby privately owned land in accordance with Condition 22 iv) point 6.
- When soil moisture improves, revegetated bare and eroded sections within the rehabilitation areas.
- Ensure all stormwater ponds are desilted following storm events to maintain capacity.
- Determine any additional external sources of dust which affect the readings of DDG3.
- Undertake water quality monitoring when water flowing in both of the surface water monitoring sites.
- Determine species diversity in the Biodiversity Offset Area to enable comparison with undisturbed vegetation communities. Plan for the potential for additional sowing or planting of tube stock to supplement ground cover and shrubs which are currently missing.
- Ensure regular driver training is conducted in accordance with the Driver Code of Conduct and Transport Management Plan.
- Update Environmental Management Strategy.

Appendix A – Compliance Status Table

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
Schedule 2: Administrative				
1	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.	Environmental Management Strategy April 2016 2019 Annual Review 30/9/19	Prevention measures implemented are described in documentation	Compliant
2	The Applicant must carry out the development:			
	(a) generally in accordance with the EIS; and	Gunlake Quarry Extension Project EIS	Development matches EIS at this stage of the quarry development	Compliant
	(b) in accordance with the conditions of this consent, the Development Layout Plan and the Statement of Commitments.	Gunlake Quarry Extension Project EIS- Table 17.1	Inspection and review of documents did not identify non-compliance	Compliant
3	If there is any inconsistency between the documents in condition 2(a), the most recent document shall prevail to the extent of the inconsistency. However, the conditions of this consent shall prevail over all documents in condition 2(a) to the extent of any inconsistency.	Site inspection and comparison of EIS figures and text, site survey pegs were inspected	Comparisons showed consistency between the development and the EIS	Compliant
4	The Applicant must comply with any requirement/s of the Secretary arising from the Department's assessment of:			
	(a) any strategies, plans, programs, reviews, audits, reports or correspondence that are submitted in accordance with this consent (including any stages of these documents);	Environmental Monitoring Results September 2019 Rehabilitation and Biodiversity Offset Management Plan Aboriginal Heritage Management Plan Noise and Blast Management Plan Air Quality Management Plan Gunlake Environmental Management Strategy Traffic Management Plan Final Soil and Water Management Plan	Documents listed comply with consent requirements. The Biodiversity Offset Plan requires updating once the modification application is determined. Other matters listed in Section 3.10	Compliant
	(b) any reviews, reports or audits undertaken or commissioned by the Department regarding compliance with this consent; and	Environmental Monitoring Results September 2019 Rehabilitation and Biodiversity Offset Management Plan Aboriginal Heritage Management Plan Noise and Blast Management Plan Air Quality Management Plan	Documents listed comply with associated requirements.	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
		Gunlake Environmental Management Strategy Traffic Management Plan Final Soil and Water Management Plan		
	(c) the implementation of any actions or measures contained in these documents.	Environmental Monitoring Results September 2019 Rehabilitation and Biodiversity Offset Management Plan Aboriginal Heritage Management Plan Noise and Blast Management Plan Air Quality Management Plan Gunlake Environmental Management Strategy Traffic Management Plan Final Soil and Water Management Plan	Documents listed comply with associated requirements. These actions need to be followed for the life of the quarry. Management plans may need to be updated in light of operational changes or in response to monitoring data	Compliant
5	The Applicant may carry out quarrying operations on the site for 25 years from the date of notification, as stipulated under Condition 10(a), Schedule 2.	Noted	Effective date of commencement August 2018	
6	The Applicant must not undertake quarrying operations below a level of 572 m AHD.	Site photos On site quarry plans	SSD extraction has only reached the second bench.	Compliant
7	The Applicant must not transport more than 2 million tonnes of quarry products from the site in any calendar year.	Traffic Management Plan April 2018 – Section 2.3, Table 2.1 Production records provided but not copied	Production currently below approved production level	Compliant
8	The Applicant must not receive more than 30,000 tonnes of cured concrete waste on the site in any calendar year. The volume of cured concrete waste held on site at any one time must not exceed 2,500 tonnes. No other material classified as waste under the <i>EPA Waste Classification Guidelines 2014</i> (or its latest version) may be received on site.	Delivery dockets sighted. Advised that waste concrete materials are only sourced from Gunlake operations and no third party material is received	Less than limit of cured concrete received Volume of cured concrete waste held on site does not exceed limit No other waste received on site	Compliant
9	The Applicant must limit laden and unladen truck movements, taken together, as follows:			
	(a) where road works required by condition 26 of Schedule 3 of this consent have not been completed to the satisfaction of the relevant roads authorities:	Traffic Management Plan April 2018 – Section 2.3, Table 2.1	Production currently below approved production level	Compliant
	i. no more than 164, including no more than 25 outbound laden movements on the secondary transport route, per working day (averaged over the working days in each calendar month); and	Roadworks signed off 31/7/18 Checked weigh bridge dockets	Outbound laden movements below limit	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	ii. a maximum of 320, including a maximum of 38 outbound laden truck movements on the secondary transport route, on any working day;	Roadworks signed off 31/7/18 Check weigh bridge docket above	Outbound laden movements below limit	Compliant
	(b) until annual quarry production exceeds 1 million tonnes:			
	i. no more than 196, including no more than 25 outbound laden movements on the secondary transport route, per working day (averaged over the working days in each calendar month); and	Correspondence date 6/8/18 re commencement		Compliant
	ii. a maximum of 440, including a maximum of 38 outbound laden truck movements on the secondary transport route, on any working day;	Correspondence date 6/8/18 re commencement		Compliant
	c) after annual quarry production exceeds 1 million tonnes and until annual quarry production exceeds 1.5 million tonnes:	Correspondence date 6/8/18 re commencement		Compliant
	i. no more than 292, including no more than 25 outbound laden movements on the secondary transport route, per working day (averaged over the working days in each calendar month); and	Correspondence date 6/8/18 re commencement		Compliant
	ii. a maximum of 470, including a maximum of 38 outbound laden truck movements on the secondary transport route, on any working day; and	Correspondence date 6/8/18 re commencement		Compliant
	(d) after annual quarry production exceeds 1.5 million tonnes and until and while ever annual quarry production is 2 million tonnes:	Correspondence date 6/8/18 re commencement		
	i. no more than 370, including no more than 25 outbound laden movements on the secondary transport route, per working day (averaged over the working days in each calendar month, except for the 2-monthly periods of November/December and January/February, during which it may be averaged over the working days in the relevant 2-monthly period); and	Checked weigh bridge data, annual production schedule sighted but not copied	Outbound laden movements below limit	Compliant
	ii. a maximum of 490, including a maximum of 38 outbound laden truck movements on the secondary transport route, on any working day.	Checked weigh bridge data, annual production schedule sighted but not copied	Outbound laden movements below limit	Compliant
10	The Applicant must notify the Department in writing of the date on which it will commence:			
	(a) development permitted under this consent, at least 14 days prior to commencing that development; and	Surrender of MP0074 to the DPIE provided such notice		Compliant
	(b) quarrying operations under this consent, at least 14 days prior to commencing those operations.	Surrender of MP0074 to the DPIE provided such notice		Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
11	Within six months of commencing development under this consent, or as otherwise agreed by the Secretary, the Applicant must surrender the project approval MP 07_0074 for the Gunlake Quarry granted on 24 September 2008, in accordance with the EP&A Regulation.	Gunlake letter dated 1/8/18	Original consent has been surrendered.	Compliant
12	Following the commencement of development under this consent, the conditions of this consent shall prevail to the extent of any inconsistency with the conditions of project approval MP 07_0074.		Noted	Compliant
13	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.	Construction certificate issued by Goulburn Mulwaree Council 12 February 2010. Provided and sighted Council Approvals: OSMF/20/0910 (13/01/2010) – On-site sewage Management facility S68/0023/0910 (12/2/2010) – shed and workshop	Noted	Compliant
14	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.	Interview response	No buildings were demolished as part of the SSD	Compliant
15	Unless the Applicant and the applicable authority agree otherwise, the Applicant must:			
	(a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the development; and	Interview response	No public infrastructure removed or repaired	Not Triggered
	(b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development.	Interview response	No public infrastructure removed or repaired	Not Triggered
16	The Applicant must ensure that all the plant and equipment used at the site is:			
	(a) maintained in a proper and efficient condition; and	Sighted pre-start checklists	Checklists indicate sufficient maintenance schedule	Compliant
	(b) operated in a proper and efficient manner.	Sighted pre-start checklists	Checklists indicate efficient operation	Compliant
17	The Applicant must:			
	(a) provide annual quarry production data to DRG and the Secretary using the standard form for that purpose; and	Reported as at 30 th June	Reporting prepared	Compliant
	(b) include a copy of this data in the Annual Review.	2019 Annual Review 30/09/2019	Copy of production data not included in Annual Review	Non-Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
18	Prior to commencing quarrying operations under this consent, the Applicant must:			
	(a) engage a registered surveyor to mark out the boundaries of the approved disturbance area; and	CPC surveyors on site on 21 st February 2018	Disturbance area matches boundary lines	Compliant
	(b) submit a survey plan of these boundaries with applicable GPS coordinates to the Secretary.	28/2/18 submitted	Documentation demonstrates proof of submission	Compliant
19	While quarrying operations are being carried out, the Applicant must ensure that the boundaries of the approved disturbance areas are clearly marked at all times in a manner that allows operating staff to clearly identify these approved limits.	Quarry Plans available on site Audit site inspection covered external boundary pegs	Inspection of clear and obvious boundary markings	Compliant
20	The Applicant must ensure that:			
	(a) no quarrying operations take place outside the approved disturbance area; and	Site inspection	Operations are inside disturbance area at the time of the audit inspection	Compliant
	(b) the haul road between the extraction area and western overburden emplacement area is clearly marked at all times, has the minimum width required for safe hauling operations, and includes erosion and sedimentation measures to minimise impacts from the use of the road on Chapmans Creek.	Site inspection	Haul road clearly marked out, correct width and includes erosion prevention measures	Compliant
21	The Applicant must pay to Council an annual financial contribution toward the maintenance of Council-owned roads along its primary and secondary transport routes. The contribution must be determined in accordance with the <i>Goulburn Mulwaree s94 Development Contributions Plan 2009</i> , or any subsequent relevant contributions plan adopted by Council.	2019 Annual Review 30/9/19- Section 4.2.2	Proof of payment made	Compliant
22	Following commencement of development under this consent, the contribution must be paid to Council within one month of the anniversary of the date of this consent each year and reported in the Annual Review.	2019 Annual Review 30/9/19- Section 4.2.2 Invoice sighted from Council for period June 30 2019	Section 94 contributions have been paid to Council, however details of the payment were not provided in the Annual Review	Non-compliant
Schedule 3 – Environmental Performance				
1	Upon receiving a written request from the owner of the land listed in Table 1, the Applicant must acquire the land in accordance with condition 5 of Schedule 4.	Noise and Blast Management Plan April 2018- Section 2.1	No written requests from residents	Compliant
2	Upon receiving a written request from the owner of any residence listed in Table 2, the Applicant must implement additional mitigation measures at the residence, in consultation with the landowner.	Noise and Blast Management Plan April 2018- Section 2.1 Interview details provided of air conditioning installed in	No written requests from residents	Compliant
3	The Applicant must achieve at least a 5 dB(A) reduction in the measured sound power level of the primary crusher by enclosing	Crusher enclosed on 28/2/18 Site inspection	Visual evidence that primary crusher is enclosed. The EPA	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	the primary crusher within two months of commencing development under this consent and prior to operating the primary crusher outside the hours of 7 am to 6 pm Monday to Saturday.	Noise and Blast Management Plan April 2018- Section 3.2	undertook unattended monitoring and confirmed the operation complies	
	The Applicant must engage a suitably qualified and experienced acoustical practitioner to measure the sound power level of the primary crusher before and after constructing the enclosure to demonstrate that the enclosure has resulted in a 5 dB(A) sound power level reduction. A report from the acoustical practitioner must be provided to the Secretary within 30 days of constructing the enclosure.	Noise and Blast Management Plan April 2018- Section 3.2 Report from EMM 29 th January 2018	Proof of required sound power level reduction provided. The EPA also undertook unattended monitoring and confirmed overall site noise performance.	Compliant
4	The Applicant must comply with the operating hours set out in Table 3.	2019 Annual Review 30/9/19 – Section 4.1.5 Time sheets Noise and Blast Management Plan April 2018- Section 2.4	Hours of operation occur within scheduled operating hours	Compliant
5	The following activities may be carried out on the site outside the hours specified in condition 4:			
	(a) delivery or dispatch of materials as requested by Police or other authorities; and	Advice at interview that condition not triggered		Not Triggered
	(b) emergency work to avoid the loss of lives, property and/or to prevent environmental harm.	Advice at interview that condition not triggered		Not Triggered
6	The Applicant must ensure that operational noise generated by the development does not exceed the criteria in Table 4 at any residence on privately-owned land.	Noise and Blast Management Plan April 2018- Section 2.1 Gunlake Quarry Noise Compliance Monitoring N1 Report	Operational noise has not exceed criteria during the audit period	Compliant
	Noise generated by the development is to be measured in accordance with the relevant requirements and exemptions (including certain meteorological conditions) of the NSW Industrial Noise Policy. Appendix 4 sets out the meteorological conditions under which these criteria apply and the requirements for evaluating compliance with these criteria.	Noise and Blast Management Plan April 2018- Sections 2.1 & 3.5 Gunlake Quarry Noise Compliance Monitoring N1 Report	Noise monitoring meets relevant requirements and exemptions	Compliant
	However, the noise criteria in Table 4 do not apply if the Applicant has an agreement with the relevant landowner to exceed the noise criteria, and the Applicant has advised the Department in writing of the terms of this agreement.	Noted		Not triggered
7	The Applicant must:			

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	(a) implement best practice management to minimise the construction, operational and road transportation noise of the development, particularly during the evening and night periods;	Noise and Blast Management Plan April 2018 – Sections 1.2 & 3.2	Description of noise management measures in place. No exceedences during audit period	Compliant
	(b) minimise the noise impacts of the development during meteorological conditions when the noise criteria in this consent do not apply (see Appendix 4);	Noise and Blast Management Plan April 2018- Section 3.2	Description of noise management measures in place. Internal procedure to check on site weather station data	Compliant
	(c) carry out quarterly attended noise monitoring, unless otherwise agreed by the Secretary, to determine whether the development is complying with the relevant conditions of this consent; and	2019 Annual Review 30/9/19 – Section 6.5 Noise and Blast Management Plan April 2018 – Sections 1.2 Section	Results of quarterly attended noise monitoring provided	Compliant
	(d) regularly assess noise monitoring data and modify and/or stop operations on site to ensure compliance with the relevant conditions of this consent, to the satisfaction of the Secretary.	2019 Annual Review 30/9/19 - Section 6.5 Noise and Blast Management Plan April 2018 – Sections 1.2 Gunlake Web monitoring report Sept 19	Assessment of noise monitoring data provided and shows compliance	Compliant
8	The Applicant must prepare a Noise Management Plan for the development to the satisfaction of the Secretary. This plan must:			
	(a) be prepared in consultation with the EPA;	Noise and Blast Management Plan April 2018 - Section 5.3	Evidence of consultation with EPA	Compliant
	(b) be submitted to the Secretary within six months of commencing development under this consent and prior to commencing quarrying operations under this consent;	Noise and Blast Management Plan April 2018 - Noted	Submission before due date	Compliant
	(c) describe the measures that would be implemented to ensure:			
	<ul style="list-style-type: none"> compliance with the noise criteria in this consent; 	Noise and Blast Management Plan April 2018 -Section 3.2 Gunlake Quarry Noise Compliance Monitoring N1 Report	Evidence of noise emissions below criteria	Compliant
	<ul style="list-style-type: none"> best practice noise management is being employed; 	Noise and Blast Management Plan April 2018 -Section 3.2	Description of noise management measures in place	Compliant
	<ul style="list-style-type: none"> noise impacts of the development are minimised during meteorological conditions under which the noise criteria in this consent do not apply (see Appendix 4); and 	Noise and Blast Management Plan April 2018 -Section 3.2	Procedures provided	Compliant
	<ul style="list-style-type: none"> best practice management is being employed to minimise the noise impacts on the primary transport route and the secondary transport route; 	Noise and Blast Management Plan April 2018 -Section 3.2	Description of noise management measures in place. Enclosure of the primary crusher completed	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	(d) describe the proposed noise management system; and	Noise and Blast Management Plan April 2018 – Chapter 3 Gunlake Quarry Noise Compliance Monitoring N1 Report	Description of noise management measures in place. Monitoring data demonstrates compliance	Compliant
	(e) include a monitoring program to be implemented to measure noise from the development against the noise criteria in Table 4, and which evaluates and reports on the effectiveness of the noise management system on site.	Noise and Blast Management Plan April 2018 – Chapter 3 Gunlake Quarry Noise Compliance Monitoring N1 Report	Monitoring commitments and subsequent results provided in web reports	Compliant
	The Applicant must implement the Noise Management Plan as approved by the Secretary.	Noise and Blast Management Plan April 2018	No evidence found of noise controls not being implemented	Compliant
9	A noise compliance assessment of the traffic noise impacts of the project must be undertaken within two months of annual dispatches of quarry products exceeding 1 million, 1.5 million and 1.9 million tonnes. The assessment must be conducted by a suitably qualified and experienced acoustical practitioner and must assess compliance of the traffic noise impacts against the predictions in the EIS and relevant road noise criteria. The traffic noise compliance assessment reports must be provided to the Department within 1 month of each assessment.	1/8/18 Condition 9 notice to DPIE re commencing truck movements Noise and Blast Management Plan April 2018- Section 3.6	Not yet required	Not Triggered
10	The Applicant must ensure that blasting on site does not cause any exceedance of the criteria in Table 5.	Noise and Blast Management Plan April 2018 – Section 2.2 Environmental Monitoring Results September 2019 – Section 3	Criteria not exceeded	Compliant
11	The Applicant may carry out a maximum of 2 blasts per week, unless an additional blast is required following a blast misfire. This condition does not apply to blasts required to ensure the safety of the quarry or workers on site.	Noise and Blast Management Plan April 2018 – Section 4.2 Environmental Monitoring Results September 2019- Section 3	Blasting below limits	Compliant
12	During blasting operations, the Applicant must:			
	(a) implement best practice management to:			
	<ul style="list-style-type: none"> protect the safety of people and livestock in the areas surrounding blasting operations; 	Noise and Blast Management Plan April 2018- Section 4.2	Best practice management measures implemented as described in plan	Compliant
	<ul style="list-style-type: none"> protect public or private infrastructure/property in the surrounding area from damage from blasting operations and 	Noise and Blast Management Plan April 2018 - Section 4.2	Best practice management measures implemented as described in plan	Compliant
	<ul style="list-style-type: none"> minimise the dust and fume emissions of blasting; 	Noise and Blast Management Plan April 2018 - Section 4.2	Best practice management measures implemented as described in plan	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	(b) operate a suitable system to enable the local community to get up-to-date information on the proposed blasting schedule on site;	Noise and Blast Management Plan April 2018 - Sections 4.2 & 5.4	Adequate information provided to community members	Compliant
	(c) co-ordinate the timing of blasting on site with the timing of blasting at Johnniefelds quarry and Lynwood quarry to minimise potential cumulative blasting impacts of the three quarries; and	Noise and Blast Management Plan April 2018	Blasting does not coincide with blasting schedules at local quarries	Compliant
	(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.	Noise and Blast Management Plan April 2018- Sections 3.4, 4.3 & 4.4 Environmental Monitoring Results September 2019- Section 3	Evidence of monitoring program with results provided	Compliant
13	The Applicant must prepare a Blast Management Plan for the development to the satisfaction of the Secretary. This plan must:			
	(a) be submitted to the Secretary for approval within six months of commencing development under this consent and prior to commencing quarrying operations under this consent;	Noise and Blast Management Plan April 2018 – Noted	Evidence of submission	Compliant
	(b) describe the measures that would be implemented to ensure compliance with the blast criteria and operating conditions of this consent;	Noise and Blast Management Plan April 2018 – Section 4.2	Compliance measures implemented as described in plan	Compliant
	(c) include measures to manage flyrock;	Noise and Blast Management Plan April 2018 – Section 4.2	Compliance measures implemented as described in plan	Compliant
	(d) include a monitoring program for evaluating and reporting on compliance with the blasting criteria in this consent;	Noise and Blast Management Plan April 2018 – Chapter 4	Evidence of monitoring program with results provided	Compliant
	(e) include a protocol for investigating and responding to complaints; and.	Noise and Blast Management Plan April 2018 – Section 5.2	Existing protocol	Compliant
	(f) include community notification procedures for blasting, which includes:			
	i. a notification process to alert any resident who registers an interest in the blasting schedule to be notified at least 24 hours in advance of each blast;	Noise and Blast Management Plan April 2018 – Section 4.2 Noted in interview	Adequate information provided to community members	Compliant
	ii. a blasting hotline, or alternative system agreed to by the Secretary, to enable the public to obtain up-to-date information on blasting operations; and	Noise and Blast Management Plan April 2018 – Section 4.2 Noted in interview	Adequate information provided to community members	Compliant
	iii. information on how the public will be kept informed of the hotline, or any alternative system.	Noise and Blast Management Plan April 2018 – Section 4.2	Adequate information provided to community members	Compliant
14	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 6 at any residence on privately-owned land.	Air Quality Management Plan April 2018 – Section 4.2.1 Water truck in operation on most days Water sprays available on transfer points	Avoidance and management measures implemented as described in plan No visible dust from premises at time of audit inspection	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
15	The Applicant must:			
	(a) implement best practice management to minimise the dust emissions of the development;	Air Quality Management Plan April 2018 – Section 4.1	Best practice management measures implemented as described in plan	Compliant
	(b) regularly assess meteorological and air quality monitoring data and relocate, modify and/or stop operations on site to ensure compliance with the air quality criteria in this consent;	Air Quality Management Plan April 2018 – Section 4.1 Audit interview	Evidence of regular monitoring data assessments Procedures in place for high wind events to limit or stop site activities	Compliant
	(c) minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see note d under Table 6);	Air Quality Management Plan April 2018 – Section 4.1 Audit interview	Dust management measures implemented as described in plan Procedures in place for high wind events to limit or stop site activities	Compliant
	(d) monitor and report on compliance with the relevant air quality conditions in this consent; and	Air Quality Management Plan April 2018 – Section 4.1 Web monitoring reports	Monitoring data and reporting provided Data available on web page	Compliant
	(e) minimise the area of surface disturbance and undertake progressive rehabilitation of the site, to the satisfaction of the Secretary.	Air Quality Management Plan April 2018 – Section 4.1, 4.4 Site inspection	Evidence of rehabilitation activities on site. Rehabilitation under stress due to drought	Compliant
16	The Applicant must prepare an Air Quality Management Plan for the development to the satisfaction of the Secretary. This plan must:	Air Quality Management Plan April 2018	Plan provided	Compliant
	(a) be prepared in consultation with the EPA;	Air Quality Management Plan April 2018-Section 1.5	Plan reviewed and by EPA	Compliant
	(b) be submitted to the Secretary for approval within six months of commencing development under this consent and prior to commencing quarrying operations under this consent;	Air Quality Management Plan April 2018 - Noted	Submission before due date	Compliant
	(c) describe the measures that would be implemented to ensure:			
	<ul style="list-style-type: none"> compliance with the relevant conditions of this consent; 	Air Quality Management Plan April 2018 – Chapter 3	Best practice management measures implemented as described in plan	Compliant
	<ul style="list-style-type: none"> best practice management is being employed; and 	Air Quality Management Plan April 2018 – Chapter 3	Best practice management measures implemented as described in plan	Compliant
	<ul style="list-style-type: none"> the air quality impacts of the development are minimised during adverse meteorological conditions and extraordinary events; 	Air Quality Management Plan April 2018 – Chapter 3	Best practice management measures implemented as described in plan.	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
			Procedures in place to reduce activities during adverse weather conditions.	
	(d) describe the proposed air quality management system, including a minimum of two High Volume Air Samplers in locations agreed to by the EPA;	Air Quality Management Plan April 2018 – Section 6.1	Air quality management system described in plan. HVAS units inspected on site.	Compliant
	(e) include an air quality monitoring program that:			
	<ul style="list-style-type: none"> is capable of evaluating the performance of the development; 	Air Quality Management Plan April 2018 - Chapter 3 Site inspection results	Sufficient air quality monitoring program	Compliant
	<ul style="list-style-type: none"> includes a protocol for determining any exceedances of the relevant conditions of consent; 	Air Quality Management Plan April 2018 - Chapter 3 Audit interview	Data is reviewed by Gunlake on a monthly basis or when results are obtained from ALS laboratories	Compliant
	<ul style="list-style-type: none"> effectively supports the air quality management system; and 	Air Quality Management Plan April 2018 - Chapter 3 Audit interview	Sufficient air quality monitoring program. Data reviewed by Gunlake management	Compliant
	<ul style="list-style-type: none"> evaluates and reports on the adequacy of the air quality management system. 	Air Quality Management Plan April 2018 - Chapter 3 Audit interview Web reports	Sufficient air quality monitoring program Data available on web page Data reviewed by Gunlake management on a monthly basis	Compliant
17	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 6 at any occupied residence on quarry-owned land unless:			
	(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	Air Quality Management Plan April 2018 – Section 2.1 Audit interview	Proof of notification provided in interview	Compliant
	(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.	Air Quality Management Plan April 2018 – Section 2.1	Noted	Not triggered
18	For the life of the development, the Applicant must ensure that there is a suitable meteorological station 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 guideline</i> .	Site inspection noted location of meteorological station Audit interview confirmed Gunlake understanding of the need to continue weather monitoring for the life of the operation	Gunlake currently own and maintain a meteorological station	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
19	The Applicant must implement all reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site.	Air Quality Management Plan April 2018 Section 2.3 Audit interview	Best practice management measures implemented as described in plan	Compliant
20	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 Secretary.	Soil and Water Management Plan April 2018 Water Access Licence WAL42340	Evidence of water budgets prepared. Water Access Licence obtained however Water Balance should be reviewed in light of prevailing drought conditions	Compliant
21	The Applicant must comply with the discharge limits in any EPL, or with section 120 of the POEO Act.	Soil and Water Management Plan April 2018 Section 3.3, Tables 5.1 & 5.2 Gunlake Quarry EPA License Web Monitoring reports	Site operates as nil discharge. Surface water monitoring data undertaken to determine potential water quality should discharges occur	Compliant
22	The Applicant must prepare a Soil and Water Management Plan for the development to the satisfaction of the Secretary. This plan must:			
	(a) be prepared by suitably qualified and experienced person/s approved by the Secretary;	Soil and Water Management Plan April 2018	Secretary approval achieved; plan has been prepared	Compliant
	(b) be prepared in consultation with the EPA, WaterNSW and DPI Water;	Soil and Water Management Plan April 2018 Gunlake Quarry EPA License	Plan reviewed and approved by EPA, WaterNSW and DPI Water	Compliant
	(c) be submitted to the Secretary for approval within six months of commencing development under this consent and prior to commencing quarrying operations under this consent;	Soil and Water Management Plan April 2018	Submission prior to due date	Compliant
	(d) include a:			
	(i) Site Water Balance that includes:			
	<ul style="list-style-type: none"> • details of: <ul style="list-style-type: none"> ○ sources and security of water supply; ○ water use and management on site; ○ any off-site water transfers; and ○ reporting procedures; and • measures that would be implemented to minimise clean water use on site; 	Soil and Water Management Plan April 2018 – Chapter 4	Site Water Balance reviewed and could be updated to take account of current drought conditions	Compliant
	○ sources and security of water supply;	Soil and Water Management Plan April 2018- Section 4.1	Site Water Balance provided	Compliant
	○ water use and management on site;	Soil and Water Management Plan April 2018- Section 4.2	Site Water Balance provided	Compliant
	○ any off-site water transfers; and	Soil and Water Management Plan April 2018- Section 4.3	Site Water Balance provided	Compliant
	○ reporting procedures; and	Soil and Water Management Plan April 2018- Section 4.4 and Chapter 9	Site Water Balance provided	Compliant
	• measures that would be implemented to minimise clean water use on site;	Soil and Water Management Plan April 2018- Section 4.4	Management measures implemented as described in plan	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	(ii) Erosion and Sediment Control Plan that:			
	<ul style="list-style-type: none"> is consistent with the requirements of the <i>Landcom's Managing Urban Stormwater: Soils and Construction manual</i>; 	Soil and Water Management Plan April 2018- Section 7.1	Consistency is evident in plan; some repair work is required on site	Compliant
	<ul style="list-style-type: none"> identifies activities that could cause soil erosion and generate sediment; 	Soil and Water Management Plan April 2018- Section 7.2	Activities identified in plan	Compliant
	<ul style="list-style-type: none"> describes measures to minimise soil erosion and the potential for the transport of sediment to downstream waters, including for the haul road between the extraction area and the western emplacement area; 	Soil and Water Management Plan April 2018- Section 4.2.2- 4.2.9	Management measures implemented as described in plan	Compliant
	<ul style="list-style-type: none"> describes the location, function, and capacity of erosion and sediment control structures, including for the haul road between the extraction area and the western emplacement area; and 	Soil and Water Management Plan April 2018- Section 4.1	Control structures present and described in plan	Compliant
	<ul style="list-style-type: none"> describes what measures would be implemented to maintain (and if necessary decommission) the structures over time. 	Soil and Water Management Plan April 2018- Section 7.2.2- 7.2.9	Management measures implemented as described in plan	Compliant
	(iii) Surface Water Management Plan, that includes:			
	<ul style="list-style-type: none"> detailed baseline data on surface water flows and quality in water bodies that could potentially be affected by the development; 	Soil and Water Management Plan April 2018- Chapter 2 and Section 5.2	Data provided in plan	Compliant
	<ul style="list-style-type: none"> surface water impact assessment criteria; 	Soil and Water Management Plan April 2018- Section 5.3	Criteria provided in plan	Compliant
	<ul style="list-style-type: none"> a protocol for managing any exceedances of the surface water impact assessment criteria; 	Soil and Water Management Plan April 2018	Protocol for managing exceedances implemented as described in plan	Compliant
	<ul style="list-style-type: none"> a detailed description of the surface water management system on site including the: <ul style="list-style-type: none"> clean water diversion system; 	Soil and Water Management Plan April 2018- Section 4.2	Description provided in plan	Compliant
	<ul style="list-style-type: none"> dirty water management system; 	Soil and Water Management Plan April 2018 – Section 4.2.10	Description provided in plan	Compliant
	<ul style="list-style-type: none"> water storages, including their capacity to contain dirty water during flood events; 	Soil and Water Management Plan April 2018 – Section 4.2.10	Description provided in plan	Compliant
	<ul style="list-style-type: none"> irrigation areas; and 	Soil and Water Management Plan April 2018– Section 5.4.4	Description provided in plan	Compliant
	<ul style="list-style-type: none"> design of creek and stream crossings; and 	Soil and Water Management Plan April 2018– Section 5.4.5	Description provided in plan	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	<ul style="list-style-type: none"> • a program to monitor and report on: <ul style="list-style-type: none"> ○ the effectiveness of the water management system in ensuring that the development has a neutral or beneficial effect on downstream receiving waters; ○ channel stability of the watercourses on the site; ○ surface water flows and quality in watercourses on the site; ○ surface water discharges from the site, including provisions for sampling of water quality during discharge events; ○ the impact of the irrigation areas on water quality; 			
	<ul style="list-style-type: none"> ○ the effectiveness of the water management system in ensuring that the development has a neutral or beneficial effect on downstream receiving waters; 	Soil and Water Management Plan April 2018– Section 5.4	Monitoring program and reports provided	Compliant
	<ul style="list-style-type: none"> ○ channel stability of the watercourses on the site; 	Soil and Water Management Plan April 2018– Section 5.4 Quarterly Monitoring of Chapman's Creek Report	Monitoring program and reports provided	Compliant
	<ul style="list-style-type: none"> ○ surface water flows and quality in watercourses on the site; 	Soil and Water Management Plan April 2018– Section 5.4	Monitoring program and reports provided	Compliant
	<ul style="list-style-type: none"> ○ surface water discharges from the site, including provisions for sampling of water quality during discharge events; 	Soil and Water Management Plan April 2018– Section 5.4	Monitoring program and reports provided. Site currently operates as nil discharge. All water is recycled on site	Compliant
	<ul style="list-style-type: none"> ○ the impact of the irrigation areas on water quality; 	Soil and Water Management Plan April 2018– Section 5.4	Monitoring program and reports provided. Irrigation not undertaken to date. Water Balance should be reviewed and need for future irrigation assessed.	Compliant
	<ul style="list-style-type: none"> • details of the on-site waste water management system, including the effluent disposal area, that demonstrates there is adequate capacity for the wastewater loads generated by the development; 	Soil and Water Management Plan April 2018– Section 5.6 Audit interview	Management system implemented as described in plan High nitrogen levels below unit requires further investigation.	Compliant
	(iv) Groundwater Management Plan that includes:			Compliant
	<ul style="list-style-type: none"> • detailed baseline data on groundwater levels, flows and quality in the region; 	Soil and Water Management Plan April 2018- Chapter 2 and Section 6.2	Data provided in plan. This data was provided in earlier plans and could be updated	Compliant
	<ul style="list-style-type: none"> • groundwater impact assessment criteria for monitoring bores; 	Soil and Water Management Plan April 2018- Chapter 6	Criteria provided in plan. No evidence to draw down	Compliant
	<ul style="list-style-type: none"> • a program to monitor: 	Soil and Water Management Plan April 2018- Chapter 6	Monitoring program implemented as detailed in plan	Compliant
	<ul style="list-style-type: none"> • groundwater levels and quality on the site; 	Soil and Water Management Plan April 2018- Chapter 6	Monitoring program implemented as detailed in plan	Compliant
	<ul style="list-style-type: none"> • the impacts of the development on any groundwater dependent ecosystems; 	Soil and Water Management Plan April 2018- Chapter 6	Monitoring program implemented as detailed in plan	Compliant
	<ul style="list-style-type: none"> • the impacts of the development on any groundwater bores, springs and seeps on privately-owned land; and 	Soil and Water Management Plan April 2018- Chapter 6	Monitoring program should be reviewed with a view to	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
			increasing the number of monitoring bores particularly on the western side of the quarry.	
	<ul style="list-style-type: none"> a protocol for the investigation of identified exceedances of the groundwater impact assessment criteria. 	Soil and Water Management Plan April 2018- Chapter 6	Monitoring program implemented as detailed in plan	Compliant
23	The Applicant must keep accurate records of all truck movements to and from the site (including time of arrival and dispatch) and publish a summary of records, which includes daily maximum and calendar month averages, on its website every 6 months.	Web reporting September 2019		Compliant
24	The Applicant must:			
	(a) ensure that all laden trucks entering or exiting the site have their loads covered, with the exception of loads consisting solely of boulders greater than one tonne in weight;	Traffic Management Plan April 2018 – Section 2.5 Audit site inspection	All trucks leaving the site were covered.	Compliant
	(b) ensure that all laden trucks exiting the site are cleaned of material that may fall on the road, before leaving the site; and	Traffic Management Plan April 2018 – Section 2.5	There is no truck wash on site however the long access road stops dust from being tracked onto public roads Visual evidence of clean trucks leaving site	Compliant
	(c) use its best endeavours to ensure that appropriate signage is displayed on all trucks used to transport quarry product from the development so they can be easily identified by road users.	Traffic Management Plan April 2018 – Section 2.5 Site inspection and interview Email to DPIE dated 19 -9-2019	Gunlake Trucks are signposted however private contractors are not. Gunlake intends to progressively use its own fleet	Compliant
25	The Applicant must prepare a Traffic Management Plan for the development to the satisfaction of the 25. Secretary. This plan must:			
	(a) be prepared in consultation with the RMS and Council;	Traffic Management Plan April 2018- Section 1.5 Draft provided to RMS 21/1/16 and Council on 2/2/18	RMS and Council have been consulted	Compliant
	(b) be submitted to the Secretary for approval within six months of commencing development under this consent and prior to commencing quarrying operations under this consent;	Updated plan submitted on 16/4/2018	Submission on time	Compliant
	(c) describe the measure that would be implemented to avoid dispatching and/or receiving large groups or convoys of laden trucks from the site onto public roads;	Traffic Management Plan April 2018 - Section 3.6 Interview	Drivers are encouraged to avoid forming convoys and are required to maintain a 300 m gap between trucks	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	(d) include a Drivers' Code of Conduct as required under condition 28 of Schedule 3;	Traffic Management Plan April 2018 – Appendix B	Evidence provided of training in the driver behaviour code Code of Conduct provided in Appendix B of Traffic Management Plan	Compliant
	(e) describe the measures that would be put in place to ensure compliance with the Drivers' Code of Conduct; and	Traffic Management Plan April 2018 – Section 3.10	Chapter 3 describes measures ensuring compliance	Compliant
	(f) include measures to minimise the transmission of dust and tracking of material onto the surface of the public road from vehicles leaving the quarry.	Traffic Management Plan April 2018 - Section 3.5	Dust mitigation measures discussed	Compliant
26	Prior to transporting more than 62,500 tonnes per calendar month of quarry products from the site, either under this consent or under this consent in combination with MP 07_0074 (while ever it has not been surrendered), the Applicant must implement and complete:			
	(a) Red Hills Road and Hume Highway intersection works - construct an additional 500m long (including taper) left turn northbound acceleration lane at the intersection of Red Hills Road and the Hume Highway in accordance with the relevant Austroads intersection design requirements and to the satisfaction of the Secretary and RMS; and	Traffic Management Plan April 2018 - Section 2.1.1 Advice from RMS as part of this audit	Works were inspected and all remaining matters with RMS have been resolved.	Compliant
	(b) Brayton Road and Quarry Access Road intersection works - upgrade the intersection of the quarry access road with Brayton Road in accordance with Austroads intersection design requirements, to the satisfaction of the local roads authority including carrying out the following:	Traffic Management Plan April 2018 – Section 2.1.2 Audit inspection	Works complete and inspected	Compliant
	i. laying asphalt; and	Traffic Management Plan April 2018 – Section 2.1.2	Works complete and inspected	Compliant
	ii. constructing an acceleration lane on Brayton Road for truck traffic turning right from the Quarry Access Road onto Brayton Road, to be located south of the quarry intersection, and starting at the intersection.	Traffic Management Plan April 2018 – Section 2.1.2	Works complete and inspected	Compliant
	(c) General Road Upgrade Works- the primary transport route shall be upgraded such that it conforms with current Austroads standards and is generally in accordance with the plans entitled Primary Transport Route Road Upgrade Plans prepared by EMM dated 29 June 2017, Map 1 - 39. Detailed road works plans, including relevant supportive calculations and modelling, shall be	Traffic Management Plan April 2018- Section 2.1.3	Works complete and inspected	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	submitted to the local roads authority for approval, which outlines the extent of works to be undertaken. The applicant must:			
	i. Obtain a survey of the primary transport route from a registered surveyor of the entire road corridor. This should show road corridor boundaries, sealed and unsealed pavement extents, line markings, signage, hazards, driveways and intersections, shoulders and any significant vegetation within the corridor that would be affected by the road upgrade works. The survey shall include sufficient detail to indicate the levels and grades of existing pavement, shoulder and clear zone areas.	Traffic Management Plan April 2018-Section 2.1.3	Survey and upgrade complete and inspected	Compliant
	ii. The design plans shall show the full extent of works, including at a minimum, earthworks, road widening, shoulders and clear zones, stopping areas, bus bays, drainage, line marking, pavement upgrades, signage and vegetation to be removed or retained. The design plans shall include long-sections of roads and the drainage system, and representative road cross-sections which identify the extent of upgrade works.	Traffic Management Plan April 2018-Section 2.1.3	Design plans and upgrade complete and inspected	Compliant
	iii. The design plans shall demonstrate that 3.1 m wide lanes are provided along the primary transport route.	Traffic Management Plan April 2018-Section 2.1.3	Greater than 3.1m wide lanes complete and inspected as per Council design requirement.	Compliant
	iv. The design plans shall demonstrate that 1.5 m wide shoulders, with 0.5 m width being sealed, are provided along the primary transport route. Where this is not achieved, alternative measures are to be provided, and justification is to be given which demonstrates that the non-compliance does not result in an unacceptable road safety outcome.	Traffic Management Plan April 2018-Section 2.1.3	Widened road shoulders complete and inspected	Compliant
	v. The design plans shall demonstrate that 3.0 m wide clear zones are provided along the primary transport route. Where this is not achieved, alternative measures are to be provided generally in accordance with the plans entitled Primary Transport Route Road Upgrade Plans prepared by EMM dated 29 June 2017, Map 1 - 39.	Traffic Management Plan April 2018-Section 2.1.3	Wide clear zones are complete and inspected	Compliant
	vi. The design plans must identify all trees and native vegetation that need to be removed as a part of the	Traffic Management Plan April 2018-Section 2.1.3	Identified vegetation has been removed	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	works. Lawful approval for any vegetation removal must be provided to the local roads authority prior to the removal of any vegetation in association with the road works.			
	vii. A geotechnical report shall be provided to the local roads authority in respect of existing road pavement conditions, pavement carrying capacity, and requirements to upgrade the pavement to accommodate the increase in truck traffic. The geotechnical report shall document the existing pavement by way of borehole and strength testing, at a sampling frequency that will adequately characterise the existing pavement.	Traffic Management Plan April 2018- Section 2.1.3 Site Interview	Works complete and inspected Geotechnical report completed and sighted during audit interview	Compliant
	viii. A drainage design shall be submitted as a part of the road works plans. This will include relevant calculations and modelling of the road drainage system, and document the extent of drainage works required for the works. The drainage design shall be undertaken such that there will be no detrimental impact on the drainage system within the road corridor, on adjoining properties, or local vegetation.	Traffic Management Plan April 2018- Section 2.1.3 Plans sighted	Road drainage system complete and inspected	Compliant
	ix. The design plans shall be certified by suitably qualified civil engineer to be compliant with Austroads standards.	Traffic Management Plan April 2018- Section 2.1.3 Plans sighted	Works complete and inspected Upgrade plans certified and compliant	Compliant
	(d) In addition to the matters specified in (c) above, in respect of the primary transport route - carry out road safety upgrades generally in accordance with the plans entitled Primary Transport Route Road Upgrade Plans prepared by EMM dated 29 June 2017, Map 1 – 39, and subject to any requirements or variations requested by Council as the roads authority including:	Traffic Management Plan April 2018- Section 2.1.4	Works complete and inspected	Compliant
	i. line-marking and signage along the primary transport route, including by:	Traffic Management Plan April 2018- Section 2.1.4 Interview and inspection	Signage in place and line marking complete and inspected	Compliant
	• marking hidden driveways;	Traffic Management Plan April 2018- Section 2.1.4	Driveways are marked and have been inspected	Compliant
	• upgrade line markings and increase signage; and	Traffic Management Plan April 2018- Section 2.1.4	Signage in place and line marking completed and inspected	Compliant
	• following discussions and agreement with Council, any upgrades required to improve school bus stop safety.	Traffic Management Plan April 2018- Section 2.1.4	Works complete and inspected	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
			Safety included in Code of conduct	
	ii. installing centre double white line-marking with retroreflective pavement markers along the full length (or along such sections as are otherwise required by Council) of the primary transport route, to prevent overtaking;	Traffic Management Plan April 2018-Section 2.1.4 Interview and inspection	Construction of double lines complete and inspected	Compliant
	iii. installing edge line-marking on pavement edges with retroreflective pavement markers along the full length (or along such sections as are otherwise required by the Council) of the primary transport route;	Traffic Management Plan April 2018-Section 2.1.4	Works complete and inspected	Compliant
	iv. carrying out an analysis of the frequency of heavy fogs on the primary transport route within a 1 month period and in consultation with the Council;	Traffic Management Plan April 2018-Section 2.1.4 Interview and inspection	Fog study completed and sighted during interview	Compliant
	v. (v) installing guide posts and spacings along appropriate sections of the primary transport route in consultation with the Council. The guide post spacing is to be determined on the basis of the analysis of the frequency of heavy fogs to be prepared by the Applicant as per condition (d)(iv).	Traffic Management Plan April 2018-Section 2.1.4 Interview and inspection	Fog study completed and sighted during interview	Compliant
	(e) Any application to Council under s138 of the Roads Act 1993 for the Primary Transport Route upgrade works is to be in accordance with the plans entitled Primary Transport Route Road Upgrade Plans prepared by EMM dated 29 June 2017, Map 1 – 39, and a copy of such application is to be provided to the Secretary no later than 2 working days after its lodgement with Council.	Traffic Management Plan April 2018-Section 2.1.4 Council as roads authority made changes to the Primary Transport Route design under four separate Section 138 Approvals		Not Triggered
27	The Applicant must install and operate a video camera at the intersection of Red Hills Road and the Hume Highway, to the satisfaction of the Secretary. The Applicant must install the camera prior to commencing quarrying operations under this consent and operate the camera until the Hume Highway intersection acceleration lane is constructed and fully operational. The camera must be located in a fixed position with a field of view that accurately records heavy vehicles (including truck identification numbers) merging from Red Hills Road to travel north along the Hume Highway. Recordings from the camera must be examined weekly by the Applicant to ensure safe merging practices at the intersection, securely stored for at least	Traffic Management Plan April 2018-Section 2.1.5 Interview and inspection	The approved NSW RMS Road Occupancy Licences and Major WAD documents required 24 hour on site traffic control in lieu of cameras.	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	60 days and made available to the Department and RMS on request.			
28	Prior to transporting more than 62,500 tonnes per calendar month of quarry products from the site, the Applicant must prepare a Truck Driver Code of Conduct and submit it to the Secretary for approval. The Truck Driver Code of Conduct is to:			
	(a) require induction of all truck drivers, including a requirement to read the Truck Driver Code of Conduct and sign a Truck Driver Induction Form, prior to commencing truck driving duties to and from the site;	Traffic Management Plan April 2018 - Chapter 3	Record of induction training sighted	Compliant
	(b) include all speed restrictions for the primary transport route and secondary transport route in the Truck Driver Induction Forms;	Traffic Management Plan April 2018- Section 3.3	Record of training regarding speed limits sighted	Compliant
	(c) incorporate provisions regarding anti-social behaviour and anti-littering practices;	Traffic Management Plan April 2018- Appendix A- Figure 2 Appendix B- Gunlake Quarry- Truck Driver Code of Conduct & Induction	Record of training regarding anti-social behaviour and littering sighted	Compliant
	(d) incorporate details of the safe and quiet driving practices that must be used by drivers transporting products to and from the quarry (particularly on the primary and secondary transport routes) and on safe merging practices at the intersection of Red Hills Road and the Hume Highway;	Traffic Management Plan April 2018- Chapter 3 and Section 3.7	Record of training regarding safe driving practices sighted	Compliant
	(e) incorporate provisions prohibiting overtaking moving vehicles on the primary transport route and secondary transport route;	Traffic Management Plan April 2018 – Section 3.9.3	Record of training on overtaking regulations sighted	Compliant
	(f) incorporate provisions prohibiting the use of air brakes by inbound trucks at the Red Hills and Hume Highway intersection (except in the case of emergencies) and include provisions for truck drivers to be educated regarding the acceptable use of air brakes on local roads;	Traffic Management Plan April 2018 - Appendix B- Gunlake Quarry- Truck Driver Code of Conduct & Induction Audit interview	Record of training regarding the use of air brakes sighted	Compliant
	(g) include a copy of the Applicant's drug and alcohol policy; and	Traffic Management Plan April 2018 - Appendix B- Gunlake Quarry- Truck Driver Code of Conduct & Induction	Record of training regarding drug and alcohol sighted	Compliant
	(h) incorporate mechanisms for ensuring compliance with the Truck Driver Code of Conduct including a mechanism for the Applicant's onsite manager to conduct random compliance checks (no less than once per quarter) of driver behaviour along the primary transport route and secondary transport route.	Traffic Management Plan April 2018 - Appendix B- Gunlake Quarry- Truck Driver Code of Conduct & Induction Audit Interview	Record of training sighted	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
29	Within 10 years of commencing development under this consent, and every 10 years thereafter, the Applicant must commission, commence and pay the full cost of a Transport Options Review for the development. This review must:	Covered in Traffic Management Plan April 2018 – Section 2.2 but not triggered for this audit		Not Triggered
	(a) be conducted by a suitably qualified, experienced and independent expert/s whose appointment has been endorsed by the Secretary;	Not Triggered		Not Triggered
	(b) include detailed consultation with Transport for NSW, RMS and Council;	Not Triggered		Not Triggered
	(c) review the economic, social and environmental costs and benefits of all reasonable and feasible options for the transport of quarry products from the site (including by rail and including trucks movements currently permitted by this consent);	Not Triggered		Not Triggered
	(d) recommend any appropriate measures or actions to reduce the economic, social and environmental costs associated with transport of quarry products from the site, and	Not Triggered		Not Triggered
	(e) be conducted and reported to the satisfaction of the Secretary.	Not Triggered		Not Triggered
30	The Applicant must prepare an Aboriginal Heritage Management Plan for the development to the satisfaction of the Secretary. The plan must:	Aboriginal and Heritage Management Plan April 2018	Document reviewed	Compliant
	(a) be prepared by suitably qualified and experienced persons whose appointment has been endorsed by the Secretary;	Evidence of endorsement by Secretary provided	Management plan was prepared by same consultant as prepared the EIS heritage studies	Compliant
	(b) be prepared in consultation with OEH and the Registered Aboriginal Parties;	Aboriginal and Heritage Management Plan April 2018- Section 1.5 and Chapter 2	Evidence of consultation provided in AHMP	Compliant
	(c) be submitted to the Secretary for approval within six months of commencing development under this consent and prior to commencing quarrying operations under this consent; and	Aboriginal and Heritage Management Plan April 2018		Compliant
	(d) include a description of the measures that would be implemented to:			
	i. protect, monitor and manage known sites of archaeological significance;	Aboriginal and Heritage Management Plan April 2018- Chapter 5		Compliant
	ii. manage any new Aboriginal objects or relics that are discovered;	Aboriginal and Heritage Management Plan April 2018- Chapter 6		Compliant
	iii. store Aboriginal heritage items salvaged on site; and	Aboriginal and Heritage Management Plan April 2018- Section 5.6		Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	iv. ensure ongoing consultation and involvement of the Registered Aboriginal Parties in the conservation and management of Aboriginal cultural heritage on the site.	Aboriginal and Heritage Management Plan April 2018- Chapter 2		Compliant
31	The Applicant must implement the Biodiversity Offset Strategy, including:			
	(a) protecting, enhancing and maintaining the Biodiversity Areas identified in condition 32 of Schedule 3; and	Rehabilitation and Biodiversity Offset Management Plan October 2015- Table 3.3	Draft revision to management plan prepared but is awaiting outcome of MOD1 application before finalising	Compliant
	(b) retiring the biodiversity credits identified in condition 34 of Schedule 3, in accordance with the <i>Framework for Biodiversity Assessment - NSW Biodiversity Offsets Policy for Major Projects</i> ; to the satisfaction of the Secretary and OEH.	Rehabilitation and Biodiversity Offset Management Plan October 2015 Interview Biobanking Credit Report, OEH February 2018	A Biodiversity Assessment Report was prepared and BioBanking Agreement Application lodged in February 2018. This details the offset strategy and retirement of credits and is currently in the final stages of assessment	Compliant
32	The Applicant must protect, enhance and maintain the Biodiversity Areas described in Table 7 and shown conceptually on the plan in Appendix 5, to achieve the objectives in Table 7 to the satisfaction of the Secretary and OEH.	Rehabilitation and Biodiversity Offset Management Plan October 2015 Biobanking Agreement Application	BioBanking Agreement Application lodged February 2018 pending approval. This is an ongoing commitment which Gunlake have formally made an undertaking to comply with and is awaiting approval from OEH	Compliant
33	Prior to commencing quarrying operations under this consent, unless otherwise agreed with the Secretary, the Applicant must make suitable arrangements to provide long-term security and funding for the Biodiversity Areas identified in condition 32 of Schedule 3, to the satisfaction of the Secretary and OEH.	Rehabilitation and Biodiversity Offset Management Plan October 2015 Biobanking Agreement Application Interview Biobanking Credit Report, OEH February 2018 Letter of extension issued by DPIE	BioBanking agreement was executed on 25 May 2019	Compliant
34	The Applicant must retire the biodiversity credits set out in Table 8, in accordance with the <i>Framework for Biodiversity Assessment - NSW Biodiversity Offsets Policy for Major Projects</i> to the satisfaction of the Secretary and OEH. The credits identified in Table 8 include credits arising from the carrying out of the primary transport route upgrade works referred to in condition 26. If the vegetation to be removed is less than anticipated at the date of this consent the credits arising from these upgrade works may be reduced if approved by the Secretary provided the	Rehabilitation and Biodiversity Offset Management Plan October 2015 Biobanking Agreement Application Interview Biobanking Credit Report, OEH February 2018	BioBanking credit report prepared and lodged in February 2018. Application to retire credits in final stages of assessment. BioBanking agreement was executed on 25 May 2019. As there is no specified timeframe for this component, and the application is pending approval	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	number of credits does not fall below the minimum number identified in column 2 of the table.		from OEH it is outside Gunlake's control.	
35	Within eighteen months of commencing development under this consent, unless otherwise agreed with the Secretary, the Applicant must make suitable arrangements to provide long-term security and funding for the Biodiversity Offset Areas used to retire the credits identified in condition 34 of Schedule 3, through a Biobanking Agreement under the <i>Threatened Species Conservation Act 1995</i> , to the satisfaction of OEH.	Rehabilitation and Biodiversity Offset Management Plan October 2015	BioBanking Agreement Application lodged February 2018 and executed on 25 May 2019	Not Triggered
36	The Applicant must rehabilitate the site 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 9.	Rehabilitation and Biodiversity Offset Management Plan October 2015 Interview Site Inspection	Rehabilitation works are undertaken progressively. All batters that have been completed are shaped, topdressed and sown.	Compliant
37	The Applicant must rehabilitate the site progressively, that is, as soon as reasonably practicable following disturbance. All reasonable and feasible measures must be taken to minimise the total area exposed for dust generation at any time. Interim stabilisation measures must be implemented where reasonable and feasible to control dust emissions in disturbed areas that are not active and which are not ready for final rehabilitation.	Rehabilitation and Biodiversity Offset Management Plan October 2015 Air Quality Management Plan April 2018 Interview Site Inspection	Rehabilitation works are undertaken progressively. All batters that have been completed are shaped, topdressed and sown.	Compliant
38	The Applicant must prepare a Biodiversity and Rehabilitation Management Plan for the development to the satisfaction of the Secretary. This plan must:			
	(a) be prepared in consultation with OEH, DPI Fisheries and Council;	Rehabilitation and Biodiversity Offset Management Plan October 2015 Draft Rehabilitation and Biodiversity Offset Management Plan February 2018	Gunlake currently operate under the 2015 Plan. The current draft plan prepared under the current consent had been sent to OEH, DPI-Fisheries and Council for consultation	Compliant
	(b) be submitted to the Secretary within twelve months of commencing development under this consent and prior to commencing quarrying operations under this consent unless the Secretary agrees otherwise;	Rehabilitation and Biodiversity Offset Management Plan October 2015 Draft Rehabilitation and Biodiversity Offset Management Plan February 2018	The plan has been submitted to DPIE and awaits outcome of Biodiversity Modification before being finalised.	Compliant
	(c) provide details of the conceptual final landform and associated land uses for the site;	Rehabilitation and Biodiversity Offset Management Plan October 2015	Draft plan provides conceptual final landform profiles and descriptions	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
		Draft Rehabilitation and Biodiversity Offset Management Plan February 2018		
	(d) describe how the implementation of condition 31 of Schedule 3 would be integrated with the overall rehabilitation of the site;	Rehabilitation and Biodiversity Offset Management Plan October 2015 Draft Rehabilitation and Biodiversity Offset Management Plan February 2018 Interview	The current draft plan provides details of the biodiversity offset area within the overall rehabilitation of the site	Compliant
	(e) include detailed performance and completion criteria for evaluating performance under condition 31 of Schedule 3 and rehabilitation of the site, including triggers for any necessary remedial action;	Draft Rehabilitation and Biodiversity Offset Management Plan February 2018 Interview	Table 3.5 provides details of performance and completion criteria	Compliant
	(f) describe the short, medium and long term measures that would be implemented to:			
	<ul style="list-style-type: none"> manage remnant vegetation and habitat, including within the Biodiversity Areas and any areas that would be used to offset the biodiversity credits identified in condition 34 of Schedule 3; and 	Rehabilitation and Biodiversity Offset Management Plan October 2015- Table 3.3 Draft Rehabilitation and Biodiversity Offset Management Plan February 2018 Interview	The plan has not been approved but includes measures to manage and enhance remnant vegetation	Compliant
	<ul style="list-style-type: none"> ensure compliance with the rehabilitation objectives and progressive rehabilitation obligations in this consent; 	Rehabilitation and Biodiversity Offset Management Plan October 2015- Table 3.3 Draft Rehabilitation and Biodiversity Offset Management Plan February 2018 Interview	The plan has not been approved but includes measures to monitor and measure compliance with rehabilitation obligations	Compliant
	(g) include a detailed description of the measures that would be implemented over the next 3 years (to be updated for each 3 year period following initial approval of the plan) including the procedures to be implemented for:	Draft Rehabilitation and Biodiversity Offset Management Plan February 2018 Interview		
	<ul style="list-style-type: none"> maximising the salvage of environmental resources within the approved disturbance area, including tree hollows, vegetative and soil resources, for beneficial reuse in the enhancement of the offset area or site rehabilitation; 	Rehabilitation and Biodiversity Offset Management Plan October 2015- Section 3.2 Draft Rehabilitation and Biodiversity Offset Management Plan February 2018	Actions are included and a timeframe provided. Also included in the current approved plan	Compliant
	<ul style="list-style-type: none"> restoring and enhancing the quality of native vegetation and fauna habitat in the biodiversity offset and rehabilitation areas through assisted natural 	Rehabilitation and Biodiversity Offset Management Plan October 2015- section 3.1 & 3.7	Included in the current approved version of the plan	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	regeneration, targeted vegetation establishment and the introduction of fauna habitat features;			
	<ul style="list-style-type: none"> protecting vegetation and fauna habitat outside the approved disturbance area on-site; 	Rehabilitation and Biodiversity Offset Management Plan October 2015- Section 3.1.3	Included in the current approved version of the plan	Compliant
	<ul style="list-style-type: none"> protecting the Chapmans Creek riparian buffer area shown on the figure in Appendix 6 in accordance with the Policy and <i>Guidelines for Fish Habitat Conservation and Management</i>; 	Rehabilitation and Biodiversity Offset Management Plan October 2015- Section 3.1.3 Quarterly Monitoring of Chapman's Creek Report	Included in the current approved version of the plan Monitoring work has been commenced	Compliant
	<ul style="list-style-type: none"> minimising the impacts on native fauna, including undertaking pre-clearance surveys; 	Rehabilitation and Biodiversity Offset Management Plan October 2015- Section 3.2 & 3.6	Preclearing surveys were available for inspection	Compliant
	<ul style="list-style-type: none"> establishing vegetation screening to minimise the visual impacts of the site on surrounding receivers; 	Rehabilitation and Biodiversity Offset Management Plan October 2015- Section 3.7.4 Interview response	Vegetation screening vegetation has not been planted due to drought conditions	Non-compliant
	<ul style="list-style-type: none"> ensuring minimal environmental consequences for threatened species, populations and habitats; 	Rehabilitation and Biodiversity Offset Management Plan October 2015- Section 3.2 Draft Rehabilitation and Biodiversity Offset Management Plan February 2018	Ongoing measures discussed in the plan. Ongoing compliance will need to be assessed over time	Compliant
	<ul style="list-style-type: none"> collecting and propagating seed; 	Rehabilitation and Biodiversity Offset Management Plan October 2015- Section 3.2	No evidence provided that seed has been collected, suitably stored and propagated	Non-compliant
	<ul style="list-style-type: none"> controlling weeds and feral pests; 	Rehabilitation and Biodiversity Offset Management Plan October 2015- Section 3.4	Evidence of past weed control however this will be an ongoing compliance issue	Compliant
	<ul style="list-style-type: none"> controlling erosion; and 	Rehabilitation and Biodiversity Offset Management Plan October 2015- Section 3.6.1 Interview and site inspection	The plan includes details of erosion controls. The site inspection showed evidence that erosion controls require maintenance work	Compliant
	<ul style="list-style-type: none"> managing bushfire risk; 	Rehabilitation and Biodiversity Offset Management Plan October 2015- Section 3.8	Plan includes appropriate measures to manage bushfire risk	Compliant
	(h) include a program to monitor and report on the effectiveness of these measures, and progress against the performance and completion criteria;	Rehabilitation and Biodiversity Offset Management Plan October 2015- Table 3.3	Monitoring has commenced and reports were available	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
		Rehabilitation monitoring reports sighted		
	i. identify the potential risks to the successful implementation of condition 31 of Schedule 3, and include a description of the contingency measures that would be implemented to mitigate these risks; and	Rehabilitation and Biodiversity Offset Management Plan October 2015- Section 2.1	Risks discussed however the latest plan is yet to be approved. Site is operating on its current approved plan	Compliant
	ii. include details of who would be responsible for monitoring, reviewing, and implementing the plan.	Rehabilitation and Biodiversity Offset Management Plan October 2015 – Section 1.4	Monitoring reports were made available	Compliant
39	Within 6 months of the approval of the Biodiversity and Rehabilitation Management Plan, the Applicant must lodge a Biodiversity and Rehabilitation Bond with the Department to ensure that the Biodiversity Offset Strategy and rehabilitation of the site are implemented in accordance with the performance and completion criteria set out in the plan and the relevant conditions of this consent. The sum of the bond must be determined by:	Draft Rehabilitation and Biodiversity Offset Management Plan February 2018	Once the Plan is approved by the DPIE, following Mod 1 and the Biobank Site finalisation the Rehabilitation Bond can be calculated.	Not Triggered
	(a) calculating the cost of implementing the Biodiversity Offset Strategy over the next 3 years for the Biodiversity Areas identified in condition 32 of Schedule 3;			Not Triggered
	(b) calculating the cost of rehabilitating all disturbed areas of the site, taking into account the likely surface disturbance over the next 3 years of quarrying operations; and			Not Triggered
	(c) employing a suitably qualified quantity surveyor or other expert to verify the calculated costs, or by using the Rehabilitation Cost Estimate spreadsheet tool (RCE) issued by DRG.			Not Triggered
40	Within 3 months of each Independent Environmental Audit (see condition 11 of Schedule 5), the Applicant must review, and if necessary revise, the sum of the Biodiversity and Rehabilitation Bond to the satisfaction of the Secretary. This review must consider the:			Not Triggered
	(a) effects of inflation;			Not Triggered
	(b) likely cost of implementing the Biodiversity Offset Strategy and rehabilitating all disturbed areas of the site (taking into account the likely surface disturbance over the next 3 years of the development); and			Not Triggered
	(c) performance of the implementation of the Biodiversity Offset Strategy and rehabilitation of the site to date.			Not Triggered

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
41	The Applicant must implement all reasonable and feasible measures to minimise the visual and off-site lighting impacts of the development to the satisfaction of the Secretary.			Not Triggered
42	The Applicant must:			
	(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;	Gunlake Quarry 2019 Annual Review Section 6.10- Waste Management OSMF/20/0910 (13/01/2010) – On-site sewage Management facility	Approved design and operation with no evidence of overflow or operational problems however high nitrogen levels below the treatment system should be investigated	Compliant
	(b) minimise the waste generated by the development;	Gunlake Quarry 2019 Annual Review Section 6.10- Waste Management		Compliant
	(c) ensure that the waste generated by the development is appropriately stored, handled, and disposed of; and	Gunlake Quarry 2019 Annual Review Section 6.10- Waste Management		Compliant
	(d) report on waste management and minimisation in the Annual Review,	Gunlake Quarry 2019 Annual Review Section 6.10- Waste Management		Compliant
43	Except as expressly permitted in an EPL, the Applicant must not receive waste (with the exception of the cured concrete transported to the site in accordance with condition 8 of Schedule 2) at the site for storage, treatment, processing, reprocessing or disposal.	Interview	Data sighted on concrete waste receipt	Compliant
44	The Applicant must ensure that all tanks and similar storage facilities (other than for water) are protected by appropriate bunding or other containment, in accordance with the relevant Australian Standards.	Site inspection Interview	Site inspection of fuel and oil stores. Some items require ongoing management but comply with standards	Compliant
45	The Applicant must ensure that the storage, handling, and transport of dangerous goods is done in accordance with the relevant Australian Standards, particularly AS1940 and AS1596, and the <i>Dangerous Goods Code</i> .	Site inspection Interview	Site inspection of fuel and oil stores. Some items require ongoing management but comply with standards	Compliant
46	The Applicant must:			
	(a) ensure that the development is suitably equipped to respond to any fires on site; and	Gunlake Quarry 2019 Annual Review Section 6.8 Bushfire	Bushfire compliant connections provided	Compliant
	(b) assist the Rural Fire Service and emergency services as much as possible if there is a fire in the vicinity of the site.	Gunlake Quarry 2019 Annual Review Section 6.8 Bushfire Interview responses	No requests to date but Gunlake advised that they have had contact with the RFS, including various on site employees	Compliant
Schedule 4 – Additional Procedures				
1	Within 2 months of the commencement of development under this consent, the Applicant must notify in writing the owner of:			

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	(a) the residences listed in Table 2 of Schedule 3 that they are entitled to ask the Applicant to install additional noise mitigation measures at the residences; and	Interview response Email trail available		Compliant
	(b) notify any tenants of quarry-owned land of their rights under this consent.	Interview response	No tenancy agreements with receptors	Not triggered
2	Prior to entering into any tenancy agreement for any land owned by the Applicant that is predicted to experience exceedances of the recommended dust and/or noise criteria, the Applicant must:	Interview response	No tenancy agreements with receptors	Not triggered
	(a) advise the prospective tenants of the potential health and amenity impacts associated with living on the land, and give them a copy of the NSW Health fact sheet entitled "Mine Dust and You" (as may be updated from time to time); and	Interview response	No tenancy agreements with receptors	Not triggered
	(b) advise the prospective tenants of the rights they would have under this consent,	Interview response	No tenancy agreements with receptors	Not triggered
3	As soon as practicable after obtaining monitoring results showing:			
	(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	Interview response	Monitoring results are provided directly and through the CCC	Compliant
	(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 "Mine Dust and You" (as may be updated from time to time) to the affected landowners and current tenants of the land (including the tenants of land which is not privately-owned).	Interview response		Not triggered
4	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.	Interview response		Not triggered
	If the Secretary is satisfied that an independent review is warranted, then within 2 months of the Secretary's decision, the Applicant must:			
	(a) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Secretary, to:	Interview response		Not triggered
	<ul style="list-style-type: none"> consult with the landowner to determine his/her concerns; 	Interview response		Not triggered

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	<ul style="list-style-type: none"> conduct monitoring to determine whether the development is complying with the relevant criteria in Schedule 3; and 	Interview response		Not triggered
	<ul style="list-style-type: none"> if the development is not complying with these criteria, then identify measures that could be implemented to ensure compliance with the relevant criteria; and 	Interview response		Not triggered
	(b) give the Secretary and landowner a copy of the independent review.	Interview response		Not triggered
5	Within 3 months of receiving a written request from a landowner with acquisition rights, the Applicant must make a binding written offer to the landowner based on:	Interview response		Not triggered
	(a) the current market value of the landowner's interest in the land at the date of this written request, as if the land was unaffected by the development, having regard to the:	Interview response		Not triggered
	<ul style="list-style-type: none"> existing and permissible use of the land, in accordance with the applicable planning instruments at the date of the written request; and 	Interview response		Not triggered
	<ul style="list-style-type: none"> presence of improvements on the land and/or any approved building or structure which has been physically commenced at the date of the landowner's written request, and is due to be completed subsequent to that date, but excluding any improvements that have resulted from the implementation of the additional noise mitigation measures in condition 2 of Schedule 3; 	Interview response		Not triggered
	(b) the reasonable costs associated with:			
	<ul style="list-style-type: none"> relocating within the Goulburn Mulwaree local government area, or to any other local government area determined by the Secretary; and 	Interview response		Not triggered
	<ul style="list-style-type: none"> obtaining legal advice and expert advice for determining the acquisition price of the land, and the terms upon which it is to be acquired; and 	Interview response		Not triggered
	(c) reasonable compensation for any disturbance caused by the land acquisition process.	Interview response		Not triggered
Schedule 5 – Environmental Management, Reporting and Auditing				
1	If the Secretary requires, the Applicant must prepare an Environmental Management Strategy for the development to the satisfaction of the Secretary. This strategy must:			

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	(a) be submitted to the Secretary for approval within 6 months of the Secretary requiring preparation of the strategy by notice to the Applicant;	Environmental Management Strategy April 2016	This document could be reviewed and updated with details of the current approval	Compliant
	(b) provide the strategic framework for environmental management of the development;	Environmental Management Strategy April 2016 - Chapter 2	This document could be reviewed and updated with details of the current approval	Compliant
	(c) identify the statutory approvals that apply to the development;	Environmental Management Strategy April 2016 - Section 1.5	This document could be reviewed and updated with details of the current approval	Compliant
	(d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development;	Environmental Management Strategy April 2016 - Section 1.4	This document could be reviewed and updated with details of the current approval	Compliant
	(e) describe the procedures that would be implemented to:			
	<ul style="list-style-type: none"> keep the local community and relevant agencies informed about the operation and environmental performance of the development; 	Environmental Management Strategy April 2016 - Chapter 4	This document could be reviewed and updated with details of the current approval	Compliant
	<ul style="list-style-type: none"> receive, record, handle and respond to complaints; 	Environmental Management Strategy April 2016 - Section 4.2	This document could be reviewed and updated with details of the current approval	Compliant
	<ul style="list-style-type: none"> resolve any disputes that may arise during the course of the development; 	Environmental Management Strategy April 2016 - Section 4.4.3	This document could be reviewed and updated with details of the current approval	Compliant
	<ul style="list-style-type: none"> respond to any non-compliance; 	Environmental Management Strategy April 2016 - Section 5.3	This document could be reviewed and updated with details of the current approval	Compliant
	<ul style="list-style-type: none"> respond to emergencies; and 	Environmental Management Strategy April 2016 - Section 5.9	This document could be reviewed and updated with details of the current approval	Compliant
	(f) include:			
	<ul style="list-style-type: none"> copies of any strategies, plans and programs approved under the conditions of this consent; and 	Environmental Management Strategy April 2016 – Component Management Plans Environmental Monitoring Results September 2019 Rehabilitation and Biodiversity Offset Management Plan Aboriginal Heritage Management Plan Noise and Blast Management Plan Air Quality Management Plan	The EMS includes all necessary plans which are prepared under the new consent. The overall EMS document should be updated	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
		Gunlake Environmental Management Strategy Traffic Management Plan Final Soil and Water Management Plan		
	<ul style="list-style-type: none"> a clear plan depicting all the monitoring to be carried out under the conditions of this consent. 	Environmental Management Strategy April 2016 - Figure 2 Appendix A	Updating would be beneficial	Compliant
2	The Applicant must ensure that the management plans required under this consent are prepared in accordance with any relevant guidelines, and include:		This is a generic condition covering all management plans	
	(a) detailed baseline data;	This audit	Refer Sections 3.1.1 and 3.10	Compliant
	(b) a description of:			
	<ul style="list-style-type: none"> the relevant statutory requirements (including any relevant approval, licence or lease conditions); 	This audit	Refer Sections 3.1.1 and 3.10	Compliant
	<ul style="list-style-type: none"> any relevant limits or performance measures/criteria; and 	This audit	Refer Sections 3.1.1 and 3.10	Compliant
	<ul style="list-style-type: none"> the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measures; 	This audit	Refer Sections 3.1.1 and 3.10	Compliant
	(c) a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria;	This audit	Refer Sections 3.1.1 and 3.10	Compliant
	(d) a program to monitor and report on the:			
	<ul style="list-style-type: none"> impacts and environmental performance of the development; and 	This audit	Refer Sections 3.1.1 and 3.10	Compliant
	<ul style="list-style-type: none"> effectiveness of any management measures (see (c) above); 	This audit	Refer Sections 3.1.1 and 3.10	Compliant
	(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;	This audit	Refer Sections 3.1.1 and 3.10	Compliant
	(f) a program to investigate and implement ways to improve the environmental performance of the development over time;	This audit	Refer Sections 3.1.1 and 3.10	Compliant
	(g) a protocol for managing and reporting any:	This audit	Refer Sections 3.1.1 and 3.10	Compliant
	<ul style="list-style-type: none"> incidents; 	This audit	Refer Sections 3.1.1 and 3.10	Compliant
	<ul style="list-style-type: none"> complaints; 	This audit	Refer Sections 3.1.1 and 3.10	Compliant
	<ul style="list-style-type: none"> non-compliances with statutory requirements; and 	This audit	Refer Sections 3.1.1 and 3.10	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	<ul style="list-style-type: none"> exceedances of the impact assessment criteria and/or performance criteria; and 	This audit	Refer Sections 3.1.1 and 3.10	Compliant
	(h) a protocol for periodic review of the plan.	This audit	Refer Sections 3.1.1 and 3.10	Compliant
3	Prior to the approval of management plans under this consent, the Applicant shall manage development undertaken pursuant to this consent in accordance with any equivalent or similar management plan/s required under project approval MP 07_0074.	This audit	Refer Sections 3.1.1 and 3.10	Compliant
4	Within 3 months of the:			
	(a) submission of an Annual Review;	This audit	Refer Sections 3.1.1 and 3.10	Not Triggered
	(b) submission of an incident report under condition 8 below;	This audit	Refer Sections 3.1.1 and 3.10	Not Triggered
	(c) submission of an audit report under condition 11 below; and	This audit	Refer Sections 3.1.1 and 3.10	Not Triggered
	(d) approval of any modifications to this consent,	This audit	Refer Sections 3.1.1 and 3.10	Not Triggered
5	To ensure that strategies, plans or programs required under this consent are updated on a regular basis, and that 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.	This audit	Refer Sections 3.1.1 and 3.10.	Not Triggered
6	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.	Environmental Monitoring Results September 2019 Gunlake Quarry 2019 Annual Review Chapter 6- Environmental Performance Chapter 7- Water Management	Refer Sections 3.1.1 and 3.10.	Compliant
	Where any exceedance of these criteria and/or performance measures has occurred, the Applicant must, at the earliest opportunity:		No exceedances were identified during the Audit period	Not Triggered
	(a) take all reasonable and feasible steps to ensure that the exceedance ceases and does not reoccur;		No exceedances were identified during the Audit period	Not Triggered
	(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		No exceedances were identified during the Audit period	Not Triggered
	(c) implement remediation measures as directed by the Secretary;		No exceedances were identified during the Audit period	Not Triggered

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
7	The Applicant must establish and operate a Community Consultative Committee (CCC) for the development to the satisfaction of the Secretary. The CCC must be operated in general accordance with the <i>Department's Community Consultative Committee Guidelines for State Significant Projects</i> (November 2016, or its latest version).	May 2019 CCC Meeting February 2019 CCC Meeting October 2018 Minutes October 2018 Company Report July 2018 Minutes July 2018 Company Report	Documents reviewed and liaison with CCC chair confirmed effective operation of the CCC	Compliant
8	The Applicant must immediately notify the Secretary and any other relevant agencies of any incident. Within 7 days of the date of the incident, the Applicant must provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested.	Audit interview	No reportable incidence occurred during the audit period	Not Triggered
9	The Applicant must provide regular reporting on the environmental performance of the development on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this consent.	Environmental Monitoring Results September 2019	Monitoring results are available on line and easily navigated to	Compliant
10	By the end of September each year, or other timing as may be agreed by the Secretary, the Applicant must submit a report to the Department reviewing the environmental performance of the development to the satisfaction of the Secretary. This review must:			
	(a) describe the development (including any rehabilitation) that was carried out in the previous financial year, and the development that is proposed to be carried out over the current financial year;	Gunlake Quarry 2019 Annual Review Chapter 4- Operations Summary Chapter 8- Rehabilitation Chapter 12- Activities Proposed for the next Period	Draft Annual Review obtained for this audit	Compliant
	(b) include a comprehensive review of the monitoring results and complaints records of the development over the previous financial year, which includes a comparison of these results against the:			
	<ul style="list-style-type: none"> relevant statutory requirements, limits or performance measures/criteria; 	Gunlake Quarry 2019 Annual Review Chapter 6- Environmental Performance Chapter 7- Water Management	Draft Annual Review obtained for this audit	Compliant
	<ul style="list-style-type: none"> requirements of any plan or program required under this consent; 	Gunlake Quarry 2019 Annual Review	Draft Annual Review obtained for this audit	Compliant
	<ul style="list-style-type: none"> monitoring results of previous years; and 	Gunlake Quarry 2019 Annual Review Chapter 6- Environmental Performance Chapter 7- Water Management	Draft Annual Review obtained for this audit	Compliant
	<ul style="list-style-type: none"> relevant predictions in the documents listed in condition 2(a) of Schedule 2; 	Gunlake Quarry 2019 Annual Review Chapter 6- Environmental Performance	Draft Annual Review obtained for this audit	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
		Chapter 7- Water Management		
	(c) identify any non-compliance over the past financial year, and describe what actions were (or are being) taken to ensure compliance;	Gunlake Quarry 2019 Annual Review Chapter 11- Incidences and Non-compliances	Draft Annual Review obtained for this audit	Compliant
	(d) identify any trends in the monitoring data over the life of the development;	Gunlake Quarry 2019 Annual Review Chapter 6- Environmental Performance Chapter 7- Water Management	Some graphs do not include historic data	Compliant
	(e) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and	Gunlake Quarry 2019 Annual Review Chapter 6- Environmental Performance Chapter 7- Water Management	Data analysis is light and could be expanded	Compliant
	(f) describe what measures will be implemented over the current financial year to improve the environmental performance of the development.	Gunlake Quarry 2019 Annual Review Chapter 12- Activities Proposed for the next Period	List of activities could be made more specific to improving environmental performance	Compliant
11	Within a year of commencing development under this consent, and every 3 years thereafter, unless the Secretary directs otherwise, the Applicant must commission, commence and pay the full cost of an Independent Environmental Audit of the development. This audit must:	This document	The commissioning and conduct of the audit is in accordance with the required timeframe.	Compliant
	(a) be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;	This document Approval letter from DPIE attached		Compliant
	(b) include consultation with the relevant agencies;	This document		
	(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, strategy, plan or program required under these approvals);	This document	The advice obtained from DPIE was to exclude the EPL. Licence returns were reviewed and found to be in compliance	Compliant
	(d) review the adequacy of strategies, plans or programs required under the abovementioned approvals;	This document	Section 3.10	Compliant
	(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	This document	Chapter 4	Compliant
	(f) be conducted and reported to the satisfaction of the Secretary.	Pending submission/review of this document		Not Triggered
12	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 and any other NSW agency that	Pending this document	Extension was requested to allow time for input from some agencies	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	requests it, together with its response to any recommendations contained in the audit report.			
13	Within 6 months of the commencement of development under this consent, the Applicant must:			
	(a) make the following information publicly available on its website:			
	<ul style="list-style-type: none"> the documents listed in condition 2(a) of Schedule 2; 	Gunlake Website- Gunlake Quarries- Environment- The Gunlake Quarry Extension Project	Documents are available on the Gunlake web page and easily located and downloaded	Compliant
	<ul style="list-style-type: none"> current statutory approvals for the development, including any environmental protection licence and any permits or approvals under the Roads Act 1993 relating to road upgrades, etc; 	EPA License Gunlake Quarry Project (Part 3A) Modification 1 – Stage 2 Southbound Access (Part 3A Mod) Modification 2 – Quarry Expansion (Part 3A Mod) Modification 3 – Truck Movements (Part 3A Mod) Gunlake Quarry Extension Project - MOD1 (SSD Mod)	Documents are available on the Gunlake web page and easily located and downloaded	Compliant
	<ul style="list-style-type: none"> all approved strategies, plans and programs required under the conditions of this consent; 	Rehabilitation and Biodiversity Offset Management Plan Aboriginal Heritage Management Plan Noise and Blast Management Plan Air Quality Management Plan Gunlake Environmental Management Strategy Traffic Management Plan Final Soil and Water Management Plan	Documents are available on the Gunlake web page and easily located and downloaded	Compliant
	<ul style="list-style-type: none"> 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; 	Environmental Monitoring Results September 2019 Rehabilitation and Biodiversity Offset Management Plan Aboriginal Heritage Management Plan Noise and Blast Management Plan Air Quality Management Plan Gunlake Environmental Management Strategy Traffic Management Plan Final Soil and Water Management Plan	Documents are available on the Gunlake web page and easily located and downloaded	Compliant

Condition	Requirement	Evidence	Audit Findings and Recommendations	Compliance Status
	<ul style="list-style-type: none"> a complaints register, updated monthly; 	Complaints register available but no complaints received by Gunlake to date under the current consent	The EPA advised they has received four complaints but had determined that the quarry was in compliance with its EPL	Compliant
	<ul style="list-style-type: none"> the annual reviews of the development; 	Gunlake Quarry 2019 Annual Review	Documents are available on the Gunlake web page and easily located and downloaded	Compliant
	<ul style="list-style-type: none"> any independent environmental audit, and the Applicant's response to the recommendations in any audit; and 	This document	This condition will be triggered as a result of this audit	Not triggered
	<ul style="list-style-type: none"> any other matter required by the Secretary; and 	PIRMP 2019-2020 The Gunlake Quarry Extension Project	Documents are available on the Gunlake web page and easily located and downloaded	Compliant
	(b) keep this information up-to-date,	Gunlake Website- Gunlake Quarries- Environment	Evidence that documents are uploaded on a regular basis	Compliant

Appendix B – Audit Correspondence



Contact: Georgia Dragicevic
Phone: 4247 1852
Fax: 4224 9470
Email: Georgia.Dragicevic@planning.nsw.gov.au

Mr David Kelly
Head of Development
Gunlake Quarries

24 May 2019

Dear Mr Kelly

**Gunlake Extension Project - SSD 15_7090
Independent Environmental Audit**

I refer to your email dated 23 May 2019 seeking approval of Mr Robert Byrnes, of International Environmental Consultants as the lead auditor for the upcoming Gunlake Quarry Independent Environmental Audit, in accordance with Schedule 5, Condition 11 of SSD 15_7090 (the approval).

Having considered the qualifications and experience of Mr Byrnes, the Secretary endorses the appointment of Mr Byrnes to undertake the audit in accordance with Schedule 5, Condition 11 of the approval. This approval is conditional on Mr Byrnes being independent of the development.

The audit is to be conducted in accordance with the IAPAR. A copy of the requirements can be found at <https://www.planning.nsw.gov.au/Assess-and-Regulate/About-compliance/Compliance-policy-and-guidelines/Independent-audit-post-approval-requirements>. Auditors may wish to have regard to AUS/NZS ISO 19011 Australian/New Zealand Standard: Guidelines for quality and/or environmental management systems.

The audit report is to include the following:

- consultation with the relevant agencies;
- a compliance table indicating the compliance status of each condition of approval;
- not use the term “partial compliance”;
- recommend actions in response to non-compliances;
- review the adequacy of plans and programs required under this consent; and
- identify opportunities for improved environmental management and performance.

Within two months of commissioning the audit, Gunlake is to submit a copy of the audit report to the Secretary and any other NSW agency that requests it, together with its response to any recommendations contained in the audit report and a timetable to implement the recommendations. Prior to submitting the audit report to the Secretary, it is recommended that Gunlake review the report to ensure it complies with the relevant consent condition.

Should you have any enquiries in relation to this matter, please contact Georgia Dragicevic, Senior Compliance Officer, on 4247 1852 or by email to Georgia.Dragicevic@planning.nsw.gov.au

Yours sincerely

Katrina O'Reilly
Team Leader Compliance
as nominee of the Secretary

robert.byrnes@iec.com.au

From: Lauren Evans <Lauren.Evans@planning.nsw.gov.au>
Sent: Monday, 26 August 2019 10:57 AM
To: robert.byrnes@iec.com.au
Cc: Georgia Dragicevic
Subject: RE: Gunlake Quarry Independent Environmental Audit

Thanks Robert

We would ask that you give particular consideration to the following issues in your audit:

- Traffic
- Blasting
- Approved extraction limits/disturbance areas (conditions 18 to 20 of Schedule 2)

Regards

Lauren Evans

Team Leader
Energy and Resource Assessments | Planning and Assessment
320 Pitt Street | GPO Box 39 | Sydney NSW 2001
T 02 9274 6311 E lauren.evans@planning.nsw.gov.au



**Planning,
Industry &
Environment**

The Department of Planning, Industry and Environment acknowledges that it stands on Aboriginal land. We acknowledge the traditional custodians of the land and we show our respect for elders past, present and emerging through thoughtful and collaborative approaches to our work, seeking to demonstrate our ongoing commitment to providing places in which Aboriginal people are included socially, culturally and economically.

From: robert.byrnes@iec.com.au <robert.byrnes@iec.com.au>
Sent: Monday, 26 August 2019 9:49 AM
To: Lauren Evans <Lauren.Evans@planning.nsw.gov.au>
Cc: Georgia Dragicevic <Georgia.Dragicevic@planning.nsw.gov.au>
Subject: RE: Gunlake Quarry Independent Environmental Audit

Hi Lauren
Please find attached endorsement from your department.
Regards
Rob Byrnes

From: Lauren Evans <Lauren.Evans@planning.nsw.gov.au>
Sent: Friday, 23 August 2019 1:18 PM
To: robert.byrnes@iec.com.au
Cc: Georgia Dragicevic <Georgia.Dragicevic@planning.nsw.gov.au>
Subject: RE: Gunlake Quarry Independent Environmental Audit
Importance: High

Hi Robert

Can you please confirm whether the Department's Compliance Branch has endorsed your appointment under condition 11 of Schedule 5?

If not, you will need to submit a formal request (including relevant qualifications and experience) to: compliance@planning.nsw.gov.au (and please copy in Georgia Dragicevic).

Regards

Lauren Evans

Team Leader
Energy and Resource Assessments | Planning and Assessment
320 Pitt Street | GPO Box 39 | Sydney NSW 2001
T 02 9274 6311 E lauren.evans@planning.nsw.gov.au



**Planning,
Industry &
Environment**

The Department of Planning, Industry and Environment acknowledges that it stands on Aboriginal land. We acknowledge the traditional custodians of the land and we show our respect for elders past, present and emerging through thoughtful and collaborative approaches to our work, seeking to demonstrate our ongoing commitment to providing places in which Aboriginal people are included socially, culturally and economically.

From: robert.byrnes@iec.com.au <robert.byrnes@iec.com.au>
Sent: Thursday, 22 August 2019 2:24 PM
To: Lauren Evans <Lauren.Evans@planning.nsw.gov.au>
Subject: Gunlake Quarry Independent Environmental Audit

Dear Lauren

Confirming that I have been commissioned by Gunlake Quarries to undertake the independent Environmental Audit as required by Condition 11, Schedule 5 of Development Consent 2017/108663. Work has commenced on the audit and we will shortly contact key agencies for advice on any issues of concern. We also intend to seek comment from the Community Consultative Committee Chair. In accordance with Condition 12 Schedule 5, our report will be provided no later than 11th October 2019 being 12 weeks from commissioning of the audit.

The audit will be conducted in accordance with 2015 Independent Audit Guidelines as well as the specific matters listed in the consent. However we would appreciate your advice on any specific matters that you require to be included in the audit.

Regards

Robert Byrnes
International Environmental Consultants
"Longmead"
700 Wombeyan Caves Road
High Range NSW 2575
Phone: 02 48785502
Mobile: 0417437120

robert.byrnesh@iec.com.au

From: Scott Martin <Scott.Martin@goulburn.nsw.gov.au>
Sent: Thursday, 5 September 2019 2:28 PM
To: 'robert.byrnesh@iec.com.au'
Cc: Michelle Hughes
Subject: RE: Gunlake Quarry Audit

Good Afternoon Rob

Thank you for your email in relation to the Gunlake Quarry Audit.

At this point in time there are no issues of concern that Council wish to raise for inclusion within the audit.

Through Council's participation in the Community Consultative Committee I can advise that all issues relating to noise appear to have been resolved, primarily via the enclosure of the crusher, whilst Council's concerns in relation to traffic have been alleviated via the completion of the required haul route upgrade.

Kind regards
Scott

Scott Martin
Director Planning & Environment

P: 02 4823 4480 | **F:** 02 4822 7999
Goulburn Mulwaree Council | Locked Bag 22 Goulburn NSW 2580
W: www.goulburn.nsw.gov.au |  [Find us on Facebook](#)

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Our Mission - To be easy to do business with



 Please consider the environment before printing this email

From: robert.byrnesh@iec.com.au [mailto:robert.byrnesh@iec.com.au]
Sent: Wednesday, 4 September 2019 2:59 PM
To: Louise.Wakefield@goulburn.nsw.gov.au
Cc: Council <Council@goulburn.nsw.gov.au>
Subject: Gunlake Quarry Audit

Hi Louise,

I have been engaged again to undertake a compliance audit of Gunlake Quarry. The audit is a requirement of Condition 11, Schedule 5 of Development Consent 2017/108663 which we have attached for your information. The audit scope will include compliance with the Development Consent and Environment Protection Licence conditions, an assessment of environmental performance and a review of the adequacy of management strategies in place to maintain compliance. I would appreciate your advice on any issues of concern or other matters which you would like included or addressed as part of the audit. The timeframe for the audit is short so we would appreciate receiving

your input by the end of September. If you require any further information or clarification please do not hesitate to contact me.

Regards

Rob Byrnes
International Environmental Consultants
"Longmead"
700 Wombeyan Caves Road
High Range NSW 2575
Phone: 02 48785502
Mobile: 0417437120

robert.byrnes@iec.com.au

From: robert.byrnes@iec.com.au
Sent: Thursday, 3 October 2019 10:29 AM
To: 'Michael Heinze'
Subject: RE: Gunlake Quarry Audit

Thanks Michael, much appreciated
Regards
Rob Byrnes

From: Michael Heinze <Michael.Heinze@epa.nsw.gov.au>
Sent: Thursday, 3 October 2019 10:14 AM
To: robert.byrnes@iec.com.au
Cc: Janine Goodwin <Janine.Goodwin@epa.nsw.gov.au>; Matthew Rizzuto <Matthew.Rizzuto@epa.nsw.gov.au>
Subject: RE: Gunlake Quarry Audit

Good morning Rob

Please find attached, the EPA's comments for your consideration in the Gunlake Quarry Audit.

Please feel free to give me a call if you wish to discuss, and let me know if you require a hard copy of the letter.

Regards
Michael

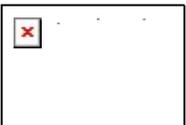
Michael Heinze

Regional Operations Officer – South East Region

South and West Branch, NSW Environment Protection Authority
+61 2 6229 7002 +61 0408 695 070

michael.heinze@epa.nsw.gov.au www.epa.nsw.gov.au  @EPA NSW

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



Please send all official electronic correspondence to queanbeyan@epa.nsw.gov.au

From: robert.byrnes@iec.com.au <robert.byrnes@iec.com.au>
Sent: Tuesday, 24 September 2019 1:11 PM
To: Michael Heinze <Michael.Heinze@epa.nsw.gov.au>
Cc: Janine Goodwin <Janine.Goodwin@epa.nsw.gov.au>
Subject: RE: Gunlake Quarry Audit

Hi Michael

That should be fine, the audit is due to be completed on 11th October however the input of the EPA is important so I am happy to seek an extension if necessary to allow sufficient time to incorporate any issues raised by the EPA.

Cheers
Rob Byrnes

From: Michael Heinze <Michael.Heinze@epa.nsw.gov.au>
Sent: Tuesday, 24 September 2019 11:15 AM
To: robert.byrnes@iec.com.au

Cc: Janine Goodwin <Janine.Goodwin@epa.nsw.gov.au>
Subject: RE: Gunlake Quarry Audit

Hi Rob

I regret that I need to ask you for a short extension of time to get a response back to you on this. While I was hoping to be able to get on to it this week, I won't have time, but should be able to get something back to you by next Thursday (3rd October).

I hope this is acceptable.

Michael

Michael Heinze

Regional Operations Officer – South East Region

South and West Branch, NSW Environment Protection Authority
+61 2 6229 7002 +61 0408 695 070

michael.heinze@epa.nsw.gov.au www.epa.nsw.gov.au [@EPA NSW](#)

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



Please send all official electronic correspondence to queanbeyan@epa.nsw.gov.au

From: robert.byrnes@iec.com.au <robert.byrnes@iec.com.au>
Sent: Tuesday, 3 September 2019 11:49 AM
To: Michael Heinze <Michael.Heinze@epa.nsw.gov.au>
Subject: Gunlake Quarry Audit

Hi Michael,

I have been engaged again to undertake a compliance audit of Gunlake Quarry. The audit is a requirement of Condition 11, Schedule 5 of Development Consent 2017/108663 which we have attached for your information. The audit scope will include compliance with the Development Consent and Environment Protection Licence conditions, an assessment of environmental performance and a review of the adequacy of management strategies in place to maintain compliance. I would appreciate your advice on any issues of concern or other matters which you would like included or addressed as part of the audit. The timeframe for the audit is short so we would appreciate receiving your input by the end of September. If you require any further information or clarification please do not hesitate to contact me.

Regards
Rob Byrnes
International Environmental Consultants
"Longmead"
700 Wombeyan Caves Road
High Range NSW 2575
Phone: 02 48785502
Mobile: 0417437120

This email is intended for the addressee(s) named and may contain confidential and/or privileged information. If you are not the intended recipient, please notify the sender and then delete it immediately.



DOC19/855775
Date: 3 October 2019

Mr Rob Byrnes
International Environmental Consultants Pty Ltd
"Longmead"
700 Wombeyan Caves Road
MITTAGONG NSW 2575

Email: robert.byrnes@iec.com.au

Dear Mr Byrnes

**RE: Gunlake Quarry, Marulan – Environment Protection Licence 13012
Compliance Audit**

I refer to your email of 3 September 2019 to the NSW Environment Protection Authority (EPA) requesting advice on any issues of concern or other matters which the EPA would like included or addressed as part of compliance audit of Gunlake Quarry. I apologise for the delay in responding to you.

The EPA understands that you have been engaged to conduct the audit of Gunlake Quarry in accordance with of Condition 11, Schedule 5 of Development Consent 2017/108663. You indicated that the purpose of this consultation is to determine if there are any matters of concern held by the EPA in relation to the performance and management of the quarry.

The EPA has had minimal interaction with Gunlake Quarry since the development consent was granted but did issue a variation to Environment Protection Licence 13012 in light of the changes required through the issuing of the consent. There have been few areas of concern for the EPA in relation to the premises through the audit period, apart from the reports to the EPA's Environment Line as listed below.

Complaints

In the two years since the Development Consent was obtained and to the date of this letter, the EPA has received four complaints relating to environmental issues, which have alleged Gunlake Quarry as being the suspect. These complaints have all related to noise.

- The oldest of these reports (August 2017) relates to an allegation of low frequency noise being experienced at a private residence a considerable distance from the quarry. As a result of this complaint, the EPA undertook unattended noise monitoring at the complainant's residence between February and March 2018. The outcome of this monitoring was that the Quarry appeared to be compliant with relevant limits and this outcome was conveyed to both Gunlake Quarries and the complainant.
- A complaint in September 2017 alleged heavy machinery operating in the early morning causing disturbance at a neighbouring property. Investigations showed that there were no operations at that time at Gunlake Quarry, and no further action was taken by the EPA.

Phone 131 555
Phone 02 6229
7002

TTY 133 677, then
ask for 131 155

PO Box 622
QUEANBEYAN
NSW 2620

Level 3
11 Farrer Place
QUEANBEYAN NSW
2620 AUSTRALIA

Queanbeyan@epa.nsw.gov.au
www.epa.nsw.gov.au
ABN 43 692 285 758

- A recent complaint alleged blasting noise causing anxiety at a neighbouring property, however blast monitoring data provided by Gunlake showed compliance with relevant limits. No further action was taken by the EPA.
- The most recent complaint related to noise involving early morning truck movements on Brayton Road, and was passed on to the Department of Planning, Industry and Environment as the Appropriate Regulatory Authority.

In summary, in relation to noise and complaints, the Quarry has been shown to be compliant with relevant limits in Environment Protection Licence 13012 and the EPA has not had to take any regulatory action against the quarry in the period relating to the audit.

Dust

While no complaints have been received in the audit period by the EPA regarding dust from Gunlake Quarry, other extractive industries in the Marulan area have been the focus of dust related complaints during the second half of 2019. The EPA notes this as an area of concern for all extractive industries and will continue to conduct both announced and unannounced site inspections of all licensed premises in the Marulan area to ensure that all licensees are proactive in the management of dust issues on their premises. The EPA would like to see this matter noted as a priority in any audit report.

If you have any queries or wish to discuss this matter further, please contact Michael Heinze on 6229 7002 or queanbeyan@epa.nsw.gov.au.

Yours sincerely



MATT RIZZUTO
UNIT HEAD – SOUTH EAST REGION
Environment Protection Authority

From: Chris Millet <Chris.MILLET@rms.nsw.gov.au>
Sent: Thursday, 5 September 2019 1:50 PM
To: robert.byrn@iec.com.au
Cc: Development Southern
Subject: FW: Gunlake Quarry Environmental Compliance Audit
Attachments: LEC Conditions of Consent_2017_108663.pdf

Hi Robert

I refer to your email below.

RMS provides the following advice.

- 1) Condition 26a) requires the developer to construct an acceleration lane. They have constructed the lane and achieved practical completion. They have to rectify a few issues (which they are aware of) before we can issue them with final completion (and return their bond which we retain under a legal agreement with them titled a Works Authorisation Deed).
- 2) RMS requests your audit verify Gunlake are complying with their conditions of consent with respect to Condition 9 of Schedule 2.

Cheers

Chris Millet
Manager, Land Use Southern
Regional & Outer Metro
Roads and Maritime Services

P 02 4221 2570

From: robert.byrn@iec.com.au [mailto:robert.byrn@iec.com.au]
Sent: Tuesday, 3 September 2019 12:12 PM
To: Development Southern
Subject: Gunlake Quarry Environmental Compliance Audit

Hi Chris,

Thanks for taking my call. As mentioned, I have been appointed to undertake the independent environmental audit of Gunlake Quarry. The audit is a requirement of Condition 11, Schedule 5 of Development Consent 2017/108663 which I have attached for your information. The audit scope will include compliance with the Development Consent and Environment Protection Licence conditions, an assessment of environmental performance and a review of the adequacy of management strategies in place to maintain compliance. I would appreciate your advice on any issues of concern or other matters which the RMS would like included or addressed as part of the audit. The timeframe for the audit is short so we would appreciate receiving your input by the end of September. If you require any further information or clarification please do not hesitate to contact me.

Regards
Rob Byrn
International Environmental Consultants
"Longmead"
700 Wombeyan Caves Road
High Range NSW 2575

From: Ravi Sundaram <ravi.sundaram@waternsw.com.au>
Sent: Friday, 20 September 2019 1:56 PM
To: 'Rob Byrnes'
Cc: James Caddey
Subject: RE: Gunlake Quarry Audit

Hi Rob

Jim has identified areas of concern below. I have nothing to this.

WaterNSW would appreciate receiving a copy of the compliance audit when completed.

Regards

Ravi

From: James Caddey <James.Caddey@waternsw.com.au>
Sent: Thursday, 19 September 2019 3:18 PM
To: Ravi Sundaram <ravi.sundaram@waternsw.com.au>
Subject: RE: Gunlake Quarry Audit

Ravi

Areas of concern

1. On-site effluent management system
 - a. Does the system have adequate capacity
 - b. Is the system working properly (I has failed in the past)
2. Management of the existing eroding areas

Regards

jim

From: Ravi Sundaram <ravi.sundaram@waternsw.com.au>
Sent: Friday, 6 September 2019 3:39 PM
To: Girja Sharma <Girja.Sharma@waternsw.com.au>
Subject: FW: Gunlake Quarry Audit

Hi Girja

Were there any specific issues identified by WaterNSW during assessment of the DA or any specific conditions in the approval or issues we should suggest they should specifically focus on. Any advice from your team would be appreciated.

Regards

Ravi

From: robert.byrnes@iec.com.au <robert.byrnes@iec.com.au>
Sent: Wednesday, 4 September 2019 3:02 PM
To: Ravi Sundaram <ravi.sundaram@waternsw.com.au>
Cc: James Caddey <James.Caddey@waternsw.com.au>
Subject: Gunlake Quarry Audit

Hi Ravi,

I have been engaged again to undertake a compliance audit of Gunlake Quarry. The audit is a requirement of Condition 11, Schedule 5 of Development Consent 2017/108663 which we have attached for your information. The audit scope will include compliance with the Development Consent and Environment Protection Licence conditions,

an assessment of environmental performance and a review of the adequacy of management strategies in place to maintain compliance. I would appreciate your advice on any issues of concern or other matters which you would like included or addressed as part of the audit. The timeframe for the audit is short so we would appreciate receiving your input by the end of September. If you require any further information or clarification please do not hesitate to contact me.

Regards

Rob Byrnes
International Environmental Consultants
"Longmead"
700 Wombeyan Caves Road
High Range NSW 2575
Phone: 02 48785502
Mobile: 0417437120

From: robert.byrnes@iec.com.au
Sent: Thursday, 5 September 2019 12:17 PM
To: 'elder@goulburn.net.au'
Subject: Gunlake Quarry Audit
Attachments: LEC Conditions of Consent_2017_108663.pdf; Gunlake auditor approval 24 may 19.pdf; independent-audit-post-approval-requirements-2018-06.pdf

Hi Don,

I understand you are the Chair of the Gunlake Quarry Community Consultation Committee. I have been engaged to undertake a compliance audit of Gunlake Quarry as required by Condition 11, Schedule 5 of Development Consent 2017/108663 which I have attached for your information. My appointment as the auditor was approved by the Department of Planning and the audit scope will include compliance with the Development Consent and Environment Protection Licence conditions, an assessment of environmental performance and a review of the adequacy of management strategies in place to maintain compliance. I would appreciate your advice on any issues of concern of the CCC or other matters which you would like included or addressed as part of the audit.

I have also attached the DPE audit guidelines which you will note that the views of the CCC form an important component of the audit assessment. I am happy to discuss the audit over the phone or meet with you at your convenience.

Regards

Rob Byrnes
International Environmental Consultants
"Longmead"
700 Wombeyan Caves Road
High Range NSW 2575
Phone: 02 48785502
Mobile: 0417437120

From: robert.byrnes@iec.com.au
Sent: Friday, 20 September 2019 1:59 PM
To: 'elder@goulburn.net.au'
Subject: RE: Gunlake CCC

Thanks Don,

This is good feedback and I appreciate your efforts in liaising with the other CCC members and the time we spent on the phone. The issues raised will be noted and discussed in the audit document. At this stage I believe I have sufficient information to complete the audit but if I need further information or clarification on any issue raised I will contact you again.

Again, many thanks for your input

Cheers

Rob Byrnes

From: elder@goulburn.net.au <elder@goulburn.net.au>
Sent: Friday, 20 September 2019 1:51 PM
To: robert.byrnes@iec.com.au
Subject: Gunlake CCC

Hi Rob,

Two community members of the CCC have responded to my request for input to assist you with your audit. No response from any other member.

To summarise the responses :

1. There are concerns about traffic noise. It is not known whether Gunlake has reached the level where it has to comply with Condition 9 but this Condition must be observed when it does.
2. Litter on the main cartage road is a continuing problem. It is recognized that this is not solely Gunlake drivers but more action should be taken to reduce litter.
3. Gunlake has a Code of Conduct for drivers but this is being breached particularly in relation to distance between trucks.
4. Gunlake does not appear to 'recognise the value and importance of the CCC'. There have been at least two instances of this. Firstly in not advising the CCC of an appeal it had lodged and secondly not fully advising on the application to vary the consent. I agree with this comment and in both instances I found out about these matters from either Press reports or correspondence or from other CCC members. The situation has improved over the last two or so years but there is room for more improvement. It is embarrassing for Community Members to be questioned by members of the community about some company action they know nothing about.

I don't know where we go from here and , if you think it necessary, we could have a general discussion either in person or by phone (48214116).

Regards,

Don Elder.

From: robert.byrnes@iec.com.au
Sent: Saturday, 19 October 2019 10:08 AM
To: 'Michael Saxon'
Cc: 'Allison Treweek'
Subject: RE: Gunlake Quarry Audit

Hi Michael

Thanks for your email and input into the audit. I have sought and obtained an extension to the deadline from DPIE so I will have time to investigate the matters you raised.

All good

Cheers

Rob Byrnes

From: Michael Saxon <Michael.Saxon@environment.nsw.gov.au>
Sent: Thursday, 17 October 2019 9:42 PM
To: robert.byrnes@iec.com.au
Cc: Allison Treweek <Allison.Treweek@environment.nsw.gov.au>
Subject: Gunlake Quarry Audit

Good evening Robert, my sincere apologies for the significant delay in responding. We suggest you focus on the following:

Condition 38 of Schedule 3, require the lodgement of lodgement of Biodiversity and Rehabilitation plan. The audit could investigate how this plan has been implemented, in particular in relation to the requirements for fencing, stock exclusion, implementation of weed and erosion control, establishment of nest boxes, and the progress on passive regeneration in the biodiversity offset areas.

Condition 39 schedule 3 also require the lodgement of a biodiversity and Rehabilitation bond – determine whether this bond been lodged.

Condition 32 of the Project Approval (07-0074) and Condition 30(a) of the Development Consent (SSD 7090) requires the preparation of an Aboriginal Heritage Management Plan (AHMP). We provided comments on a revised AHMP back on 16 February 2018.

We suggest the Audit focuses on aspects regarding the adequacy of the AHMP, including but not limited to;

- Confirm that the OEH comments from 16 February 2018 were incorporated into a new revised AHMP. A copy of this revised AHMP should be forwarded to us for our records.
- Confirm that consultation on revisions of the AHMP has been undertaken with the Aboriginal community.
- Confirm whether the safeguards and mitigation measures outlined in the consent, EIS commitments and AHMP have been followed.

If anything in the above is unclear please do not hesitate to call me on 0427 231477

Regards

Mike

Michael Saxon
Director South East Branch

Biodiversity and Conservation | Department of Planning, Industry and Environment
T 02 6229 7107 | M 0427 231477 | E michael.saxon@environment.nsw.gov.au



Planning,
Industry &
Environment

The Department of Planning, Industry and Environment acknowledges that it stands on Aboriginal land. We acknowledge the traditional custodians of the land and we show our respect for elders past, present and emerging through thoughtful and collaborative approaches to our work, seeking to demonstrate our ongoing commitment to providing places in which Aboriginal people are included socially, culturally and economically.

From: robert.byrnes@iec.com.au <robert.byrnes@iec.com.au>
Sent: Wednesday, 4 September 2019 3:17 PM
To: Michael Saxon <Michael.Saxon@environment.nsw.gov.au>
Subject: Gunlake Quarry Audit

Dear Michael,

I have been engaged to undertake a compliance audit of Gunlake Quarry. The audit is a requirement of Condition 11, Schedule 5 of Development Consent 2017/108663 which I have attached for your information. The audit scope will include compliance with the Development Consent and Environment Protection Licence conditions, an assessment of environmental performance and a review of the adequacy of management strategies in place to maintain compliance. I would appreciate your advice on any issues of concern or other matters which you would like included or addressed as part of the audit. The timeframe for the audit is short so I would appreciate receiving your input by the end of September. If you require any further information or clarification please do not hesitate to contact me.

Regards

Rob Byrnes
International Environmental Consultants
"Longmead"
700 Wombeyan Caves Road
High Range NSW 2575
Phone: 02 48785502
Mobile: 0417437120

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PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING THIS EMAIL

Appendix C – Site Inspection Photos



Photo 1 – View looking south east towards nearest receptor



Photo 2 view looking north



Photo 3 – View looking east



Photo 4 – completed intersection with Hume Highway



Photo 5 – Intersection Detail



Photo 6 – Wide lanes and median on Red Hills Road



Photo 7 – Repaired erosion controls Red Hills Road



Photo 8 – Processing Area



Photo 9- Process Water Dam



Photo 10- Rehabilitation in Progress



Photo 11- Rehabilitation in Progress



Photo 12- Rehabilitation in Progress



Photo 13- Protected Drainage Channel



Photo 14- RW2



Photo 15- Dirty Water Channel Entering WQCP 7



Photo 16 - Protection Channel in Older Rehabilitation Area



Photo 17- Dirty Water Channel with Check Dam Structures



Photo 18- Dirty water channel extension below advancing emplacement



Photo 19- Dirty water channel to WQCP 5



Photo 20 - Biodiversity Offset Area showing regeneration



Photo 21 - Biodiversity Offset Area



Photo 22 - Biodiversity Offset Area



Photo 23 - Drop Cut



Photo 24 - Fenced Environmental Protection Area



Photo 25 - Self-Bunded Fuel Tank



Photo 26 - Chapmans Creek looking downstream



Photo 27 - Chapmans Creek looking upstream



Photo 28- Chapmans Creek looking downstream



Photo 29- Chapmans Creek looking Upstream



Photo 30- Riparian Offset Area



Photo 31- Riparian Offset Area



Photo 32- Access Road Ponds



Photo 33- Access Road Ponds



Photo 34- Groundwater Monitoring Bore



Photo 35- Weather Station

Appendix D – Certification Form

Development Name: Gunlake Quarry
Development Consent: LEC 2017/108663
Development Description: Hardrock Quarry
Development Address: 715 Brayton Rd, Marulan NSW 2579
Operator: Gunlake Quarries Pty Limited
Operator Address: 2/53 Cross St, Double Bay, NSW
Title of Audit: Independent Audit under Condition 11 of Schedule 5

I certify that I have undertaken the independent audit and prepared the contents of the attached independent audit report and to the best of my knowledge:

- The audit has been undertaken in accordance with relevant approval condition(s) and in accordance with the auditing standard AS/NZS ISO 19011:2014 and Post Approval Guidelines – Independent Audits
- 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, in an unbiased manner and did not allow undue influence to limit or over-ride objectivity in conducting the audit;
- I am not related to any owner or operator of the development as an employer, business partner, employee, sharing a common employer, having a contractual arrangement outside the audit, spouse, partner, sibling, parent, or child;
- I do not have any pecuniary interest in the audited development, including where there is a reasonable likelihood or expectation of financial gain or loss to me or to a person to whom I am closely related (i.e. immediate family);
- Neither I nor my employer have provided consultancy services for the audited development that were subject to this audit except as otherwise declared to the lead regulator prior to the audit; and
- I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from fair payment) from any owner or operator of the development, their employees or any interested party. I have not knowingly allowed, nor intend to allow my colleagues to do so.

Note.

a) The Independent Audit is an 'environmental audit' for the purposes of section 122B(2) of the Environmental Planning and Assessment Act 1979. Section 122E provides that a person must not include false or misleading information (or provide information for inclusion in) an audit report produced to the Minister in connection with an environmental audit if the person knows that the information is false or misleading in a material respect. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000.

b) The Crimes Act 1900 contains other offences relating to false and misleading information: section 192G (Intention to defraud by false or misleading statement—maximum penalty 5 years imprisonment); sections 307A, 307B and 307C (False or misleading applications/information/documents—maximum penalty 2 years imprisonment or \$22,000, *or both*).



Robert Byrnes
Director

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robert.byrnes@iec.com.au