

ARDGLEN QUARRY

INDEPENDENT ENVIRONMENTAL AUDIT

*for Buttai Gravel Pty Ltd (Daracon
Quarries)*

24 November 2022



DOCUMENT CONTROL

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Client Address	20 Kullara Close, Beresfield NSW 2322
Author	D Walsh
Author Address	6/127-129 John Street, Singleton NSW 2330
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LIMITATIONS OF REPORT

In preparing this Independent Environmental Audit on behalf of Buttai Gravel Pty Ltd (Daracon Quarries), James Bailey and Associates has assessed all activities appropriate and necessary to evaluate the environmental status of the site during the audit period. James Bailey and Associates has addressed all technical matters which might reasonably be considered to be relevant to such an audit conducted to standards which apply in New South Wales. Based on discussions with appropriate staff and a review of available documentation, it is James Bailey and Associates' opinion that the potential critical environmental issues associated with the site and operations are those discussed in this report. However, James Bailey and Associates can only advise on the basis of the information available to them and therefore cannot dismiss absolutely the possibility that parts of the site, or adjacent properties, may give rise to additional issues.

The conclusions presented in this report are professional opinions based solely upon James Bailey and Associates' interpretation of the documentation reviewed, interviews and conversations with personnel knowledgeable about the site and other available information, as referenced in this report. These conclusions are intended exclusively for the purposes stated herein, at the site listed, and for the project indicated.

This report does not, and does not purport to, give legal advice on the actual or potential environmental liabilities of any individual or organisation, or to draw conclusions as to whether any particular circumstances constitute a breach of relevant legislation.

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1. INTRODUCTION

1.1 BACKGROUND

James Bailey & Associates (JBA) has been commissioned by Buttai Gravel Pty Ltd (Daracon Quarries) to conduct an Independent Environmental Performance Audit (IEA) for the Ardglen Quarry (AQ). AQ operates under Project Approval (MP) o6_o264 (as modified) which was approved by the Department of Planning and Environment (DPE) in 2008 and has subsequently been modified on two occasions.

Schedule 5, Condition 5 of MP o6_o264 specifies the requirements for the completion of an IEA for AQ every five years.

A description of the AQ site is provided in **Section 2**.

1.2 AUDIT TEAM

This IEA was completed by JBA Exemplar Global International Certified Auditor, Dorian Walsh (No: 201881) and Adam Lanske (Assistant Auditor, JBA). At the request of DPE, technical specialists provided input to the audit for the issues of Biodiversity (Katrina Wolf, Cumberland Ecology), Rehabilitation (Clayton Richards, Minesoils) and Water (Andrew Wu, James Bailey & Associates).

1.3 AUDIT OBJECTIVES

The IEA assesses activities during the audit period (see **Section 1.5**) and compliance with key regulatory approvals for the site.

The audit consisted of a desktop review of documentation, interviews with AQ staff and a field inspection of the site in May 2022. The audit was conducted generally consistent with '*ISO 14010 - Guidelines and General Principles for Environmental Auditing*', and '*ISO 14011 - Procedures for Environmental Auditing*' and the '*Independent Audit Post Approval Requirements, May 2020*' (IAPAR) (DPE, 2020). AQ representative Luke Robinson (of Daracon) was the primary contact during the IEA process.

Documents reviewed during the IEA included:

- MP o6_o264 and Statement of Commitments (SOCs) (as modified);
- Environment Protection Licence (EPL) 1115;
- AQ environmental management plans and procedures;
- AQ environmental monitoring data and associated reporting; and
- AQ correspondence with site stakeholders relating to compliance matters.

The IEA was also conducted to address the feedback received from regulatory agencies during the audit process (see **Section 3.2**).

1.4 AUDIT SCOPE

The IEA scope is defined under Schedule 5, Conditions 5 of MP o6_o264 which is reproduced in **Section 3.1**.

1.5 AUDIT PERIOD

The period assessed for this IEA is from 21 August 2018 to the 9 May 2022 (the audit period). The findings and recommendations from the previous IEA dated 30 March 2019 as completed by Pitt & Sherry (2019) were also considered.

1.6 REPORT STRUCTURE

This report is structured as follows:

- **Section 1** provides an introduction, describes the requirement for the IEA and provides a summary of the structure of this report;
- **Section 2** provides a description of the AQ site and approved operations as relevant to this IEA;
- **Section 3** outlines the requirements for this IEA and where each has been addressed in this report;
- **Section 4** describes operational environmental performance during the audit period based on a review of AQ documentation and observations made during the audit site visit;
- **Section 5** of this report lists the non-compliances identified during the IEA;
- **Section 6** provides a list of recommendations arising from the IEA; and
- **Section 7** lists the key approvals documentation referred to in this IEA report.

2. SITE DESCRIPTION

AQ is located in Ardglen, approximately 5 kilometres (km) North-West of Murrurundi. The site is within the Liverpool Plains Shire Council (LPSC) Local Government Area (LGA) and is owned by Buttai Gravel, a subsidiary of Daracon Pty Ltd.

AQ has been under care and maintenance since February 2012. It briefly came out of care and maintenance during period from 2018 to 2020, to supply existing material stockpiled on site to the Scone Bypass Project. Operations on site are approved to continue until 31 August 2038 under MP o6_o624.

On 2 December 2008, the NSW Minister for Planning granted approval for the extension of AQ (MP o6_o264). This approval was for an extension to the existing disturbance area 17.8 ha to the North-West in Lot 218 DP 1751028 to extract a hard rock resource of about 15 million tonnes (superseding an earlier development consent issued by LPSC). No work has been performed in the extension area as of the site visit on the 9 May 2022 (site visit).

MP o6_o264 has been modified on two occasions, including:

- On 21 December 2010, to defer the implementation a number of the requirements for environmental management plans until work in the extension area commences; and
- On the 16 March 2021, to allow for an increase in the volume of quarry products able to be transported via road, the replacement and upgrade of existing site infrastructure and the modification to noise and water management systems on site.

Figure 1 shows the layout of the AQ site as approved under Appendix 1 of MP o6_o264 (MOD2).

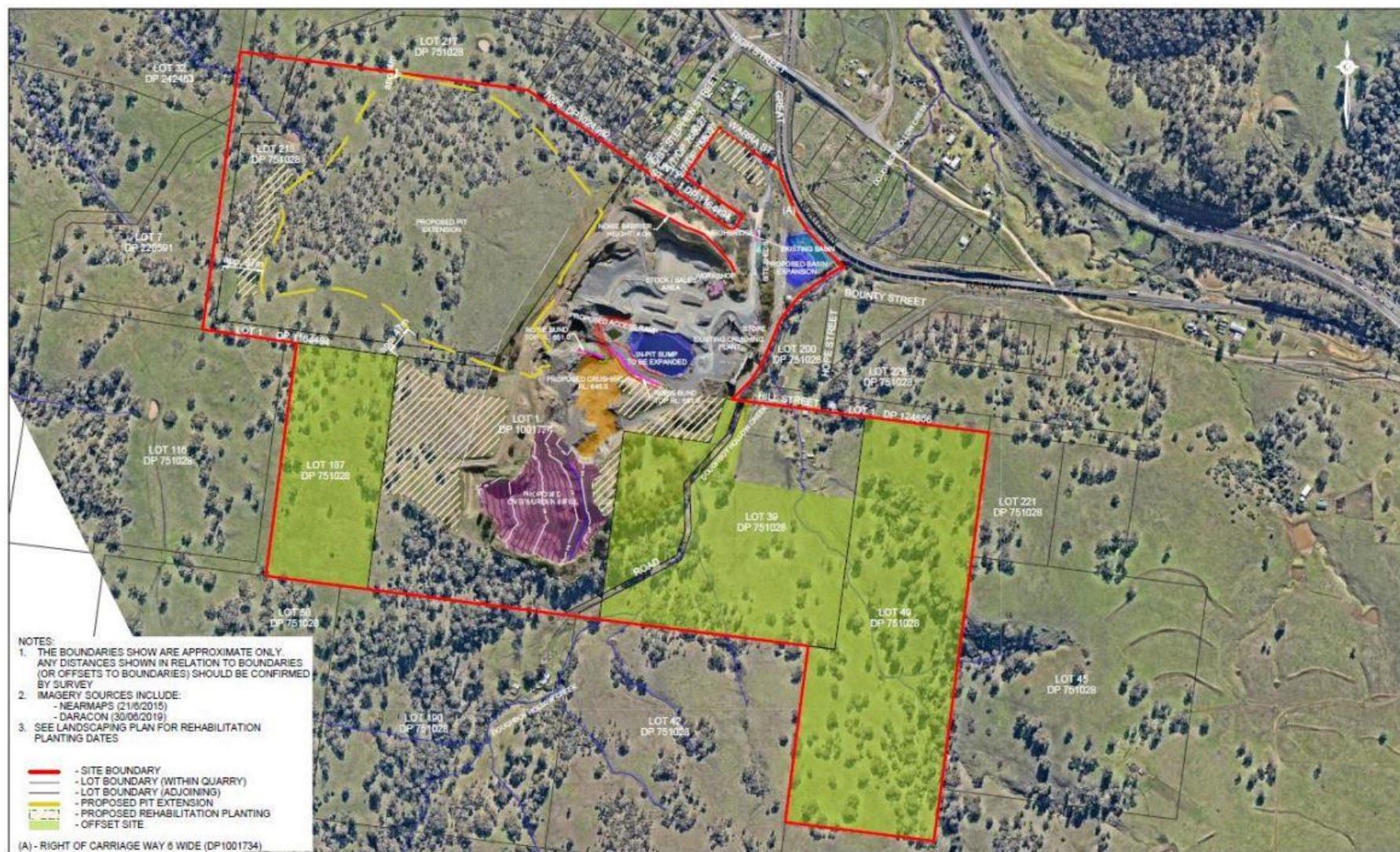


Figure 1 MP o6_o264 Project Layout Plan

3. AUDIT REQUIREMENTS

3.1 DEVELOPMENT APPROVAL

This IEA has been prepared pursuant to Schedule 5, Condition 5 of MP o6_o264. Each requirement under this condition is listed in **Table 1**, along with where each is addressed in this audit report.

Table 1 MP o6_o264 IEA Requirements and Where Addressed

Description	Where Addressed
Prior to 31 December 2012, and every 5 years thereafter, unless the Planning Secretary directs otherwise, the Applicant must commission and pay the full cost of an Independent Environmental Audit of the development. This audit must:	This Report
(a) be led by a suitably qualified, experienced and independent auditor whose appointment has been endorsed by the Planning Secretary;	Appendix A and Appendix D
(b) be conducted by a suitably qualified, experienced and independent team of experts (including any expert in field/s specified by the Planning Secretary) whose appointment has been endorsed by the Planning Secretary;	Appendix A and Appendix D
(c) be carried out in consultation with the relevant agencies and CCC;	Section 3.4 & Appendix D
(d) assess the environmental performance of the development and whether it is complying with the relevant requirements in this consent, water licences and mining leases for the development (including any assessment, strategy, plan or program required under these approvals);	Section 4
(e) review the adequacy of any approved strategy, plan or program required under the abovementioned approvals and this consent;	Section 4 & Section 5
(f) recommend appropriate measures or actions to improve the environmental performance of the development and any assessment, strategy, plan or program required under the abovementioned approvals and this consent; and	Section 6
(g) be conducted and reported to the satisfaction of the Planning Secretary.	DPE to determine

3.2 AUDIT GUIDELINES

This audit report has been prepared in accordance with the IAPAR (DPE, 2020). **Table 2** lists key requirements from the IAPAR s and indicates where each is addressed in this report.

Table 2 IAPAR Report Requirements and Where Addressed

IAPAR Section	Description	Where Addressed
3.1.	Independent Audits must only be undertaken by a suitably qualified, experienced and independent auditor. Conditions of consent may require Independent Audits to be undertaken by an auditor and one or more technical specialists.	Appendix A & Appendix D

IAPAR Section	Description	Where Addressed
3.2	The auditor must consult with the Department, and other agencies and stakeholders, including the Community Consultative Committee (if one is required for the project), to obtain their input into the scope of the audit. Comments received during such consultation must be recorded and reported in the Independent Audit Report. Specific environmental issues raised during consultation must be investigated and findings of the investigation must be reported in the Independent Audit Report.	Section 3.4 & Appendix D
3.3	An independent audit must include: an assessment of compliance with: (a) conditions of consent applicable to the phase of the development that is being audited; (b) all post approval documents prepared to satisfy the conditions of consent, including an assessment of the implementation of Environmental Management Plans and Sub-plans; (c) all environmental licences and approvals applicable to the development excluding environmental protection licences issued under the <i>Protection of the Environment Operations Act 1997</i> ;	Section 1, Section 5 & Appendix B
3.3	a review of the environmental performance of the development, including but not necessarily limited to, an assessment of: (a) actual impacts compared to predicted impacts documented in the environmental impact assessment; (b) the physical extent of the development in comparison with the approved boundary; (c) incidents, non-compliances and complaints that occurred or were made during the audit period; (d) the performance of the development having regard to agency policy and any particular environmental issues identified through consultation carried out when developing the scope of the audit; (e) feedback received from the Department, and other agencies and stakeholders, including the community or Community Consultative Committee, on the environmental performance of the project during the audit period;	Section 4, Section 5 & Appendix D
3.3	the status of implementation of previous Independent Audit findings, recommendations and actions (if any);	Appendix B
3.3	a high-level assessment of whether Environmental Management Plans and Sub-plans are adequate; and	Section 4 & Appendix B
3.3	a high-level assessment of whether Environmental Management Plans and Sub-plans are adequate; and	Section 4, Section 5, Section 6 & Appendix B
3.3	any other matters considered relevant by the auditor or the Department, taking into account relevant regulatory requirements and legislation, knowledge of the development's past performance and comparison to industry best practices.	Section 5, Section 6 & Appendix B
3.4	Audits must commence with an opening meeting and conclude with a closing meeting. The meetings must be attended by a representative of the proponent at manager level or above, the auditor and technical specialists (if any).	Section 1 & Appendix B

IAPAR Section	Description	Where Addressed
3.5	Independent Audits must include interviews with key personnel involved in project delivery, including those with responsibility for environmental management, to assist with verifying the compliance status of the development. However, note that interviews are generally not sufficient evidence to verify compliance with a condition of consent and additional supporting evidence should be provided.	Section 3 & Appendix B
3.6	Independent Audits must include a physical site inspection. The site inspection must cover all development areas and environmental aspects that form part of the scope of the audit.	Section 1, Section 4 & Appendix C

3.3 AUDIT METHODOLOGY

3.3.1 IEA Preparation

Preparation for the IEA involved:

- Submission of an information request to Daracon Quarries for the provision of evidence to verify the compliance status of site activities during the audit period;
- Engagement with key regulatory agencies for the site regarding any specific issues that should be a particular focus of the IEA;
- Submission of an audit agenda to Daracon Quarries (see **Appendix E**) and confirmation over the scope of the site inspection component of the IEA;
- Desktop review of documentation provided by Daracon Quarries to determine the compliance status of approval and licencing conditions, identify good site practice and opportunities for improvement, in accordance with the requirements of the IAPAR; and
- Finalisation of preparation of compliance tables and protocols for the site inspection, including a checklist of specific regulatory requirements obtained from the documents provided.

3.3.2 Compliance Evaluation

The IEA consisted of a detailed desktop review of approval documentation and a site inspection. The findings of this IEA were based on verifiable evidence collected by:

- Review of AQ documentation provided by Daracon Quarries (including document reference, revision numbers, dates and authors);
- Interviews with key site personnel; and
- Site inspection of the AQ site in May 2022. Selected images taken during the site inspection are included as **Appendix C**.

Luke Robinson (Daracon Systems Manager, Construction Materials) was the primary contact for the audit and was present during the audit site inspection.

A list of the key documentation reviewed for the IEA is found in **Section 1.3**. The evidence that was used to determine the compliance status with respect to each condition has been documented in the tables provided in **Appendix B**, along with relevant observations, notes and recommended opportunities for improvement.

3.3.3 Site Inspection

Opening Meeting

The IEA site inspection commenced with an opening meeting; attendees included Dorian Walsh (JBA), Adam Lanske (JBA), and Luke Robinson (Daracon Systems Manager, Construction Materials). The briefing included clarification of the audit objectives, scope, resources required and the methodology of the IEA.

Site Overview and Orientation Session

An orientation session was conducted by Daracon Quarries site personnel to provide JBA with a general overview of the AQ site and its surroundings, an indication of the environmental setting, near neighbours, safety and emergency requirements and known environmental issues.

IEA Interviews

The IEA included interviews with AQ representative Luke Robinson, who was the primary contact during the IEA process and was present during the audit site visit.

Focused Site Inspection

A focused site inspection was conducted following the initial site overview and opening meeting. The purpose of the site inspection was to focus on specific operation and environmental aspects of AQ and to assess Daracon Quarries environmental management systems and performance in detail.

Focused Site Inspection

The site visit for the audit was completed on 9 May 2022, facilitated by Luke Robinson. Areas of site reviewed during the field inspection included:

- Site office and access;
- Workshop and decommissioned storage areas;
- Existing quarrying area (in care and maintenance) and undisturbed extension areas approved under MP 06_0264;
- Water management structures and diversions;
- Biodiversity Offset Areas (refer **Figure 1**);
- Environmental monitoring network locations, including the site weather station, air quality and water monitoring sites; and
- Rehabilitation planting areas.

Selected images taken during the audit site inspection are included as **Appendix C**.

Site Documentation Review

Relevant site documentation was reviewed during the site inspection interviews to verify compliance. Key documents reviewed during the audit are described in **Section 4** and discussed further in **Appendix B**.

Follow Up Auditing

Follow up interviews and document reviews were conducted to clarify any outstanding compliance issues to be resolved prior to inclusion in the final IEA report.

Exit Briefing

An exit briefing was conducted prior to JBA departure from the site. Attendees of exit briefing included Dorian Walsh, Adam Lanske and Luke Robinson. The exit meeting included findings of the preliminary audit, recommendations and explanation of actions required by Daracon Quarries and by JBA to complete the audit process.

3.4 STAKEHOLDER ENGAGEMENT

During the preparation for this IEA, input was sought from the following AQ stakeholders to confirm any areas of site operations or environmental compliance that should be of particular focus:

- DPE;
- DPE Water;
- NSW Environment Protection Authority (EPA);
- Biodiversity Conservation Trust (BCT);
- LPSC; and
- AQ Community Consultative Committee (CCC) Chair.

Specific issues raised during consultation are listed in **Table 3**, along with the section where each is addressed in this IEA report. Stakeholder correspondence received is included as **Appendix D**.

At the time of reporting, responses had not been received from:

- DPE Water;
- LPSC; and the
- AQ CCC Chairperson.

3.5 COMPLIANCE STATUS DESCRIPTORS

The compliance status of each condition reviewed during the IEA was assessed based on evidence provided and determined in accordance with the descriptors provided in the IAPAR. No other terms have been used to describe the compliance status of conditions within this IEA.

Table 3 Stakeholder Requirements and Where Addressed

Ref	Key Requirement	Where Addressed
DPE		
1.	Assess the performance of the surface and groundwater management measures and documents	Appendix B: Table A, Schedule 3, Condition 18 to 23
2.	Assess the performance of the rehabilitation and biodiversity offset management measures and documents	Appendix B: Table A, Schedule 3, Condition 24 to 29
3.	Assess the truck movement limits of AQ	Appendix B: Table A, Schedule 3, Condition 33 and 38

Ref	Key Requirement	Where Addressed
BCT		
1.	Assess the performance of the revegetation project and alignment between the Conservation Agreement, Site Values Report and the revegetation works.	Appendix B: Table A, Schedule 3, Condition 29
2.	Assess appropriate weed management measures are being adequately implemented and there is appropriate funding for management.	Appendix B: Table A, Schedule 3, Condition 29
3.	Assess internal fencing and its removal to facilitate the movement of wildlife within the site. All external fencing is erected and maintained in accordance with the BCT Essential Conservation Fencing Guidelines.	Appendix B: Table A, Schedule 3, Condition 26A and 29 and SoC 7
EPA		
1.	No issues or matters to be addressed.	N/A

4. ENVIRONMENTAL PERFORMANCE

4.1 PERFORMANCE SUMMARY

The review of AQ compliance with the conditions of MP o6_o264 and EPL 1115 was a focus of this IEA.

The review of AQ documentation and the May 2022 site inspection found that AQ are generally operating in compliance with their regulatory approvals and associated environmental management documents (see **Section 5** and **Appendix C**).

The management strategies, plans and other documents required for AQ to manage the environmental impacts from site operations were found to be being implemented to minimise the key risks on site. As such, the non-compliances and recommendations identified in this report (see **Section 5** and **Section 6**) are generally administrative in nature, and relate to the need for AQ to gain regulatory approval of and implement updated environmental management documentation to address MOD2 requirements. This includes the requirement to document the implementation of noise and air quality control measures prior to the recommencement of operations, in accordance with the measures identified in the respective conditions under MP o6_o264.

4.2 COMPLIANCE PERFORMANCE

Appendix B provides a thorough assessment of the compliance status of AQ during the audit period, in accordance with the IAPAR. **Table 4** provides a summary of compliance for key AQ approvals and licences during the audit period. A description of each identified non-compliance and improvement recommendation is provided in **Section 5**, **Section 6** and **Appendix B**.

Table 4 Summary of Compliance

Document	C	NC	NT	Note	Total
MP o6_o264	51	19	48	-	118
MP o6_o264 SoCs	18	3	2	-	23
EPL 1115	51	0	21	2	74
TOTAL	120	22	71	2	215

Note: C = Compliant; NC = Non-compliant; NT = Not triggered; Total = No. of conditions.

4.3 SUMMARY OF AGENCY NOTICES AND ORDERS

Table 5 provides a summary of agency notices, orders, penalty notices and prosecutions issued during the audit period that were identified in this IEA. Further discussion regarding each notice and any follow-up actions is provided against the relevant conditions in **Appendix B**.

Table 5 Summary of Notices and Orders from Regulatory Agencies

Notice Type	Notice Date	Summary
DPE Show Cause Notice	30/09/20	DPE Show Cause Notice dated 30/09/20 raises Department's concerns regarding implementation of stock exclusion and rehabilitation planting within AQ Biodiversity Offset areas.

Notice Type	Notice Date	Summary
		Daracon Quarries responded to DPE on 15/10/20, describing the plantings that have occurred at AQ during 2019 and 2020 and the efforts that have been made by the company to excluded livestock from the AQ Biodiversity Offset Areas.
DPE Warning letter	12/02/21	Letter noted DPE's finding that AQ were not performing plantings and not excluding stock from the AQ Biodiversity Offset Areas in accordance with the MP o6_264 SoCs and the approved Landscape Management Plan and LMP. The Warning letter notes AQ's actions undertaken to address the matters raised in the 2020 Show Cause Notice and confirms DPE's finding that a breach of the EP&A Act has occurred.

4.4 NON-COMPLIANCES DURING THE AUDIT PERIOD

Table 8 lists the non-compliances identified during the audit period. Recommendations made in relation to these non-compliances are provided in **Section 5**, with further context provided in **Appendix B**.

4.5 SITE OPERATIONS

The inspection of the AQ site during the site visit found that the operational areas of the site were well maintained, and generally in accordance with the site layout approved under MP o6_o264 (see **Figure 1**).

Site plant and equipment observed during the inspection were found to be in a stable state. No quarrying operations had occurred during the audit period, with only the intermittent trucking of previously stockpiled material from site during the period 2018 – 2020. Conditions within the existing infrastructure and disturbance areas were observed to generally be of low risk of potential influence to the surrounding environment due to the limited works at the site over the audit period. No significant AQ noise sources or visible dust emissions were noted during a review of the site from surrounding areas as it is not in operation. The low number of amenity complaints from the community received during the audit period (including those related to visual impacts) also indicate that activities during the audit were generally undertaken to minimise impacts to sensitive private receivers surrounding the site, in accordance with AQ approvals and associated management plans.

Water management infrastructure, including In-pit Sump, Southern Void and drains appeared to be in operational condition. The larger capacity of the Tertiary Dam approved under MP o6_o264 (MOD2) has not been developed due to site operations not yet commencing in the Extension Area (see **Appendix C**).

The previous IEA (Pitt & Sherry, 2019) identified that AQ had not been fully implementing rehabilitation works, with only weed control and some maintenance in offset areas observed during the audit period. No progressive rehabilitation was observed onsite during the 18 August 2018 audit site visit. This was addressed by AQ who submitted a Landscape Management Plan (LMP) to DPE, which included progressive rehabilitation plans. Rehabilitation completed by AQ to the time of audit was found to be generally progressing in accordance with the draft LMP (remaining under regulatory review and the time of audit), with target woodland communities beginning to be established in the rehabilitation and biodiversity offset areas (see **Figure 1**). Ongoing monitoring and maintenance of plantings and continued weed controls are recommended to ensure that the performance of AQ rehabilitation areas continues to be supported.

A review of site laydown areas found that general housekeeping and waste management measures are being implemented. It was also noted that AQ staff have completed regular environmental inspections of the site during the audit period.

4.6 ENVIRONMENTAL INCIDENTS AND COMPLAINTS

The review of site documentation and discussions with AQ representative Luke Robinson (referred to as LR in **Appendix B**) found that environmental non-conformances during the audit period (primarily administrative in nature) had generally been minor in nature and had been reported to the relevant regulatory agencies and community. IEA interviews confirmed that AQ representatives had not identified any incidents with the potential to cause material environmental harm during the audit period.

The low number of complaints received (two in 2018 and two in 2019 relating to truck operations) is indicative of the site being in care and maintenance for much of the audit period. A review of the AQ complaints register and Daracon Quarries responses found these had been adequately investigated and responded to.

4.7 ENVIRONMENTAL MANAGEMENT PLANS

The adequacy of environmental management plans, strategies and programs required under AQ approvals were reviewed as a component of this IEA. A summary of identified improvement opportunities and recommendations in relation to these plans are provided in **Table 6**, with further detail provided in **Section 6** and against the relevant conditions of **Appendix B**.

Table 6 Status of Environmental Management Plans

Document	Recommendation(s)
Noise Management Plan	It is recommended that AQ report on any noise investigations and the implementation of additional mitigation measures committed to under MOD2 in future AEMRs.
Air Quality Management Plan	It is recommended that AQ implement a permanent wheel wash station at the location approved in the MOD2 EA before recommencement of operations.
Blast Management Plan	It is recommended that AQ provide the relevant notifications and set up a Blasting Hotline to the approval of DPE prior to the recommencement of operations on site.
Landscape Management Plan Draft	- It is recommended that the LMP is updated to reflect the changes to the development consent in the March 2021 determination of MOD2. - It is recommended that AQ review the inconsistency in the need establish EEC grass species in Lot 39 between the draft LMP (based on BCT advice) and SoC6 of the MOD2 EA (see Table C) and seek confirmation from DPE that this would not be required. - It is recommended that AQ continue to implement the progressive rehabilitation on site to meet the related commitments from the MOD2 EA, pending approval of the revised LMP. - It is recommended that records of consultation with regulatory agencies are included in the approved Doughboy Hollow Creek Rehabilitation Strategy document. - It is recommended that AQ continue to consult with relevant regulatory agencies, to identify a process for rehabilitation of Doughboy Hollow Creek. - It is recommended that the approved LMP is provided on the website while the current revision is under review by regulatory agencies.
Environmental Management System / Integrated Facility Management Plan (IFMP)	It is recommended that procedures for waste assessment, classification and management referring to EPA guidelines is included in the IFMP (EMS), or other suitable plan.

Document	Recommendation(s)
Traffic and Transport Management Plan	- It is recommended that the AQ product transportation register is reviewed prior to the recommencement of operations to ensure that required truck movement details under MOD2 are recorded and reported in future AQ AEMRs - It is recommended that the AQ product transportation register is reviewed prior to the recommencement of operations to ensure that required truck movement details under MOD2 are recorded and reported in future AQ AEMRs. - It is recommended that the induction for truck drivers included in the truck driver's Code of Conduct appended to the TTMP is revised for consistency with MOD2 commitments and approval requirements - Consider updating the TTMP to reflect the commitments made in AQ approvals and AEMRs during the reporting period. - It is recommended that the TTMP include a procedure to notify residents if train loading activities are to recommence.
Site Water Management Plan	- It is recommended that AQ continue to liaise with DPE and DPE Water to gain approval of the updated SWMP, to address MOD2 compliance requirements and commitments. - It is recommended that the revised SWMP include a Dewatering Management Plan to address the requirements for MOD2.

4.8 ENVIRONMENTAL IMPACT COMPARISON

MP o6_o264 Modification 2 (MOD2) was determined by DPE approved on 16 March 2021. Quarrying activities and other disturbance have not commenced within the MP o6_o264 Modification 2 (MOD2) area (see **Figure 1**) at the time of audit, and existing disturbance was observed to be within current approval boundaries. Accordingly, a direct comparison of the actual versus predicted environmental impacts under MP o6_o264 MOD2 was not able to be made at the time of audit. It is also noted that the most recent transport of quarry products from site was during the 2020 calendar year, with the site remaining in care and maintenance since that time. A review of Daracon Quarries documentation for AQ and the audit inspection found that the site is generally well maintained and is being managed in accordance with relevant approvals.

4.9 PREVIOUS IEA ACTIONS

Table 7 outlines that status of the actions required from the previous IEA, as documented in Table 2 of Daracon Quarries' response to audit recommendations to DPE dated 2 April 2019.

Table 7 Status of Actions Required following 2019 IEA

Previous IEA Action Number	Previous IEA Findings	2022 IEA Status Finding
1.	Ensure that all actions, including monitoring, specified in the Noise Monitoring Program are fully implemented.	Deemed complete. See comments on S3, C2 of MP o6_o264 in Table A of Appendix B .
2.	Progressive rehabilitation should be undertaken as per the consent.	In progress. See comments on S3, C24 - 27 of MP o6_o264 in Table A of Appendix B .

Previous IEA Action Number	Previous IEA Findings	2022 IEA Status Finding
3.	The application for easements over the off-set areas should be submitted as soon as practical.	In progress. See comments on S3, C26 of MP o6_o264 in Table A of Appendix B .
4.	Revise the Rehabilitation and Biodiversity Offset Management plan to address this requirement by developing five-year plan with clear procedures.	In progress. See comments on S3, C27 of MP o6_o264 in Table A of Appendix B .
5.	Ensure the version of the EPL used by Daracon matches that on the EPA's EPL database in version number and contents.	Deemed complete. See comments on G1.1 of EPL 1115 in Table B of Appendix B .
6.	Daracon should continue dust monitoring and undertake remedial measures as proposed to manage exceedances.	Deemed complete. See comments on S3, C15 - 17 of MP o6_o264 in Table A of Appendix B .
7.	Daracon should include emissions reduction considerations and other details relevant to Ardglen Quarry in the AEMRs upon recommencement of operations.	Deemed complete. See comments on S5, C4 of MP o6_o264 in Table A of Appendix B .
8.	Include compliance criteria level in the presentations given to CCC so that exceedances are clearly represented in the data.	Deemed complete. See comments on S5, C7 of MP o6_o264 in Table A of Appendix B .
9.	The incident report should note the date, time and nature of the exceedance/incident if possible. The AEMR should report all reportable incidents and exceedances.	Deemed complete. See comments on S5, C4 of MP o6_o264 in Table A of Appendix B .
10.	Prior to commencing work in the Extension Area: It is recommended that the retention volume of the final sedimentation basin necessary to capture surface waters (to ensure compliance with the EPL) be calculated. The calculation should take into account the area of dirty water catchment from the existing quarry and the extension area. It is recommended, that if the volume of the final sediment basin is not sufficient, that the ballast dumped in the basin, be removed to increase the basin volume to the required amount.	Deemed Not Triggered. Sediment structures required for the Extension Area not yet constructed at the time of audit.
11.	The Water Management Plan be updated to include an assessment of the reliability of the water supply to the operation. This should be completed prior to the commencement of works in the Extension Area.	In progress. See comments on S3, C20 of MP o6_o264 in Table A of Appendix B .
12.	Operational and maintenance activities that could cause soil erosion and sediment generation will be identified and described for in the revised Water Management Plan included as part of the proposed consent modification.	In progress. See comments on S3, C20 of MP o6_o264 in Table A of Appendix B .
13.	The water monitoring plan should be revised to include detailed protocol for investigation, notification and mitigation of water quality exceedances.	In progress. See comments on S3, C20 of MP o6_o264 in Table A of Appendix B .

Previous IEA Action Number	Previous IEA Findings	2022 IEA Status Finding
14.	Complete the Road Safety Audit in consultation with RMS and LPSC.	Deemed complete. See comments on S3, C12 of MP o6_o264 in Table A of Appendix B .
15.	Daracon should implement all practicable measures to mitigate impacts from off-site lighting upon recommencement of operations.	Deemed Not Triggered. Quarrying operations have not recommenced during the audit period.
16.	Blast SWMS should be updated to ensure that appropriate communications and fly rock protection are in place for blasting a within 500 m of adjacent land	Deemed complete. See comments on S3, C11 of MP o6_o264 in Table A of Appendix B .
17.	Daracon's accounting system should be used to track the waste contractors on site.	Deemed complete. See comments on S3, C47 of MP o6_o264 in Table A of Appendix B .
18.	Daracon should consider additional measures to control wild goats as the fencing is not considered sufficient control.	In progress. See comments on S3, C26A and 27 of MP o6_o264 in Table A of Appendix B .

5. NON-COMPLIANCES DURING THE AUDIT PERIOD

A summary of non-compliances identified during this IEA are provided in **Table 8**. Recommendations arising from these non-compliances are included in **Section 6**.

Table A to Table C of **Appendix B** provides a complete tabulated list of conditions of MP o6_o264, EPL 1115 and MP o6_o264 SOCs, respectively, respectively, with the compliance status and more detailed comments noted against each.

Table 8 Identified Non-Compliances

Ref	Non-Compliance
MP o6_o264	
Schedule 2, Condition 2	Some non-conformances against the conditions of the MP o6_o264 and the Statement of Commitments from MP o6_o264 were noted during the audit period. These non-conformances are summarised below in this table, with further detail provided in Appendix B .
Schedule 2, Condition 16	AQ is implementing site rehabilitation under a draft Landscape Management Plan which has been under review with regulatory agencies since 2018 (further context is provided in Appendix B).
Schedule 3, Condition 12	An approach to landholders regarding expressions of interest in receiving blast notifications required under S3, C12(a) has not been made.
Schedule 3, Condition 14	The 24/12/21 submission date of the Blast Management Plan was outside of the period for review of management plans following the determination of MOD2 (i.e., 28/07/21 as noted in DPE letter to AQ dated 06/10/21).
Schedule 3, Condition 17	Non-compliances with the requirement to demonstrate compliance with air quality criteria in accordance with the AQMP occurred in October 2018, October 2019 and October 2020, with High Volume Air Samplers not operating for their full run times.
Schedule 3, Condition 20, 23D	A Groundwater Monitoring Program and/or a Dewatering Management Plan is not included in the approved 2010 Site Water Management Plan.
Schedule 3, Condition 22	Activities that could cause soil erosion and generate sediment are not specified in the approved 2010 Erosion and Sediment Control Plan.
Schedule 3, Condition 23	Detailed baseline data for Doughboy Hollow Creek water quality, Doughboy Hollow Creek flow modelling, description of the surface water management systems on site, a trigger action response plan to respond to exceedances of performance measures / criteria, and a Dewatering Management Plan are not included in the approved 2010 Site Water Management Plan.
Schedule 3, Condition 27, 29, 30, 30A	The approved Landscape Management Plan is dated 2010, prior to the MOD2 approval.
Schedule 3, Condition 27	NSW DPE found that AQ were not performing vegetation plantings and not excluding stock from the Biodiversity Offset Areas in accordance with AQ approvals in 2020.
Schedule 3, Condition 28	The Doughboy Hollow Creek Rehabilitation Strategy has not been approved or rehabilitation implemented in that area at the time of audit.
Schedule 3, Condition 40	Evidence not available at the time of audit regarding liaison with LPSC over 20km/hour speed limit for heavy vehicles on High Street bridge.
Schedule 3, Condition 43	A procedure for the notification of residents regarding night-time train loading is not included in the Traffic and Transport Management Plan.

Ref	Non-Compliance
Schedule 3, Condition 43	The 25/10/21 submission date of the Traffic and Transport Management Plan was outside of the period for review of management plans following the determination of MOD2 (i.e., 28/07/21 as noted in DPE letter to AQ dated 06/10/21).
Schedule 3, Condition 48	No reference to the EPA Waste Classification Guidelines was identified in approved AQ management documents.
Schedule 5, Condition 8 (b)	A version of the 2020 Landscape Management Plan (draft) was available on the AQ website.
MP o6_o264 SoCs	
SoC 1	Some non-conformances against the conditions of the MP o6_o264 and the Statement of Commitments from MP o6_o264 were noted during the audit period. These non-conformances are summarised below in this table, with further detail provided in Appendix B .
SoC 12	The application of wet suppression or chemical coating to static stockpiles was not being undertaken at the time of audit.
SoC 14	The approved Landscape Management Plan is dated 2010, prior to the MOD2 approval.

6. AUDIT RECOMMENDATIONS

A consolidated list of recommendations made from this IEA is provided in **Table 9**. This includes those arising from both the non-compliances listed in **Section 5** and from opportunities for review and improvement identified by JBA during the IEA process.

Key strengths in the management of environmental aspects at AQ observed in undertaking this IEA included:

- The maintenance and improvement of environmental monitoring systems during the audit period;
- A regime of regular environmental inspections for the site by Daracon personnel to review and document environmental performance;
- Development and implementation of updated environmental management documents during the audit period, to align with the requirements of MP o6_o264 (MOD2);
- Ongoing establishment and monitoring of areas on site available for rehabilitation.

Table 9 **IEA Recommendations**

Ref	Recommendation Description
Non-Compliance Recommendations	
MP o6_o264	
Schedule 2, Condition 13	It is recommended that AQ investigate options for the reuse of the truck remaining at the site laydown area prior to the recommencement of quarrying operations.
Schedule 2, Condition 15	It is recommended that AQ put a procedure or other system in place to ensure the regular review of strategies, plans and programs for the site, in accordance with the requirements of S2, C15 of MP o6_o264.
Schedule 2, Condition 16	It is recommended that AQ operate in accordance with the approved Landscape Management Plan (unless otherwise directed by DPE).
Schedule 3, Condition 2	It is recommended that copies of the landholder noise / impact agreements are provided to EPA and DPE, as required under this condition.
Schedule 3, Condition 3	It is recommended that the approved constructions hours for the site are noted in Section 5.1 of the AQ IFMP (EMS).
Schedule 3, Condition 5	It is recommended that AQ report on any noise investigations and the implementation of additional mitigation measures committed to under MOD2 in future AEMRs.
Schedule 3, Condition 12	It is recommended that AQ provide the relevant notifications and set up a Blasting Hotline to the approval of DPE prior to the recommencement of operations on site.
Schedule 3, Condition 16	It is recommended that AQ implement a permanent wheel wash station at the location approved in the MOD2 EA before recommencement of operations.
Schedule 3, Condition 20 - 23	It is recommended that AQ continue to liaise with DPE and DPE Water to gain approval of the updated Site Water Management Plan, to address MOD2 compliance requirements and commitments.
Schedule 3, Condition 21	It is recommended that a requirement for annual update of the site water balance following the recommencement of operations is included in the current revision of the Site Water Management Plan (underway at the time of audit).
Schedule 3, Condition 22	It is recommended that activities with the potential to create soil erosion are included in the current revisions of the Site Water Management Plan underway at the time of audit.
Schedule 3, Condition 25	It is recommended that AQ review the inconsistency in the need establish EEC grass species in Lot 39 between the draft LMP (based on BCT advice) and SoC6 of the MOD2 EA (see Table C) and seek

Ref	Recommendation Description
	confirmation from DPE that this would not be required.
Schedule 3, Condition 27 - 30	It is recommended that the LMP is updated to reflect the changes to the development consent in the March 2021 determination of MOD2.
Schedule 3, Condition 27	It is recommended that AQ continue to implement the progressive rehabilitation on site to meet the related commitments from the MOD2 EA, pending approval of the revised LMP.
Schedule 3, Condition 27	It is recommended that AQ continue to consult with relevant regulatory agencies, to identify a process for rehabilitation of Doughboy Hollow Creek.
Schedule 3, Condition 33, 38	It is recommended that the AQ product transportation register is reviewed prior to the commencement of operations to ensure that required truck movement details under MOD2 are recorded and reported in future AQ AEMRs.
Schedule 3, Condition 43	It is recommended that the induction for truck drivers included in the truck driver's Code of Conduct appended to the Traffic and Transport Management Plan is revised for consistency with MOD2 commitments and approval requirements.
Schedule 3, Condition 43	Consider updating the Traffic and Transport Management Plan to reflect the truck speed commitments made in AQ approvals and AEMRs during the reporting period.
Schedule 3, Condition 43	Include a procedure in the Traffic and Transport Management Plan to notify residents if train loading activities are to recommence.
Schedule 3, Condition 44	It is recommended that AQ implement offsite visual and lighting mitigation measures prior to the commencement operations, and update site Management Plans accordingly, to the satisfaction of DPE.
Schedule 3, Condition 46, Schedule 5, Condition 4	It is recommended that future AQ Annual Reviews: - Describe investigation into GHG reduction initiatives; and - Include a summary of monitoring results for greenhouse gas.
Schedule 3, Condition 47	Consider including procedures for waste minimisation, management, handling, storage and disposal be included in the IFMP (EMS).
Schedule 3, Condition 48	It is recommended that procedures for waste assessment, classification and management referring to EPA guidelines is included in the IFMP (EMS), or other suitable plan.
Schedule 5, Condition 1	It is recommended that a revised EMS is prepared to the satisfaction of DPE to address the contemporary approvals requirements of the MOD2 approval and EA.
Schedule 5, Condition 8	It is recommended that the approved LMP is provided on the website while the current revision is under review by regulatory agencies.
EPL 1115	
L4.2	It is recommended that AQ provide EPA with a copy of both noise agreements to formalise landholder arrangements in accordance with EPL 1115 conditions.
MP o6_o264 SoCs	
SoC 9	It is recommended that noise controls described under SoC9 are installed prior to the commencement of extraction and processing activities on site where these are entirely consistent with the noise mitigation commitments described in the MOD2 EA).
SoC 12	AQ review the potential inconsistencies in speed limits adopted for the project and reflect in the approved Traffic and Transport Management Plan.
SoC 12	Consider including flexibility in the AQMP for not using wet suppression or chemical coating on all static stockpiles, where this will not result in significant reductions in air quality emissions.

7. REFERENCES

- Monteath & Powys (2018) *Environmental Assessment Section 75W Modification to Existing Consent*
- NSW DPIE (2020) *Independent Audit Post Approval Requirements*
- NSW EPA (2022) *Environment Protection Licence 1115*
- Pitt & Sherry (2019) *Independent Environmental Audit, Ardglen Quarry (Daracon)*

APPENDIX A

IEA DECLARATION

Independent Environmental Audit Report Declaration	
Project Name:	Ardglen Quarry
Consent No.:	MP 06_0264 (as modified)
Description of Project:	Ardglen Quarry (hard rock production)
Project Address:	Quarry Road, Ardglen, NSW, 2338
Proponent	Buttai Gravel Pty Ltd (Daracon Quarries)
Proponent Address:	20, Kullara Close, Beresfield, NSW, 2322
Title of Audit:	Ardglen Quarry Independent Environmental Audit
Date:	29/07/2022
Declaration	I declare that I have undertaken the Independent Audit and prepared the contents of the attached Independent Audit Report and to the best of my knowledge: i. the audit has been undertaken in accordance with relevant condition(s) of consent and the <i>Independent Audit Compliance Requirements</i> (Department 2020); ii. the findings of the audit are reported truthfully, accurately and completely; iii. I have exercised due diligence and professional judgement in conducting the audit; iv. I have acted professionally, objectively and in an unbiased manner; v. I am not related to any proponent, owner or operator of the project neither as an employer, business partner, employee, or by sharing a common employer, having a contractual arrangement outside the audit, or by relationship as spouse, partner, sibling, parent, or child; vi. I do not have any pecuniary interest in the audited project, including where there is a reasonable likelihood or expectation of financial gain or loss to me or spouse, partner, sibling, parent, or child; vii. neither I nor my employer have provided consultancy services for the audited project that were subject to this audit except as otherwise declared to the Department prior to the audit; and viii. I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from payment for auditing services) from any proponent, owner or operator of the project, their employees or any interested party. I have not knowingly allowed, nor intend to allow my colleagues to do so. Notes: a) Under section 10.6 of the <i>Environmental Planning and Assessment Act 1979</i> a person must not include false or misleading information (or provide information for inclusion in) in a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is false or misleading in a material respect. The proponent of an approved project must not fail to include information in (or provide information for inclusion in) a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is materially relevant to the monitoring or audit. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000; and b) The <i>Crimes Act 1900</i> contains other offences relating to false and misleading information: section 307B (giving false or misleading information – maximum penalty 2 years imprisonment or 200 penalty units, or both).
Name of Auditor:	Dorian Walsh
Signature:	
Auditor Qualification	Auditor for Environmental Management, EMS and Compliance Audits. Exemplar Global No. 201881
Company:	James Bailey & Associates
Company Address:	6/127-129 John Street, Singleton NSW 2330

APPENDIX B

APPROVAL AND LICENCE

COMPLIANCE TABLES

Table A Project Approval MP o6_o264 - March 2021 modification (MOD 2)

Green type represents MOD 2 conditions.

Cond	MP o6_o264 Condition	Status	Evidence
SCHEDULE 1 PROJECT DETAILS			
	Application number - o6_o264. Buttai Gravel Pty Ltd. Ardglan Quarry Extension		
SCHEDULE 2 ADMINISTRATIVE CONDITIONS			
Obligation to Minimise Harm to the Environment			
1	In addition to meeting the specific performance measures and criteria in this consent, all reasonable and feasible measures must be implemented to prevent, and if prevention is not reasonable and feasible, minimise, any material harm to the environment that may result from the construction and operation of the development, and any rehabilitation required under this consent.	C	No incidents or non-compliances identified during the audit period resulted in material harm to the environment.
Terms of Consent			
2	The Applicant must carry out the development: (a) generally in accordance with the EA; (b) generally in accordance with the EA MOD 2; (c) generally in accordance with the Statement of Commitments; and (d) in compliance with the conditions of this consent. <i>Note: The general layout of the development is shown in Appendix 1.</i>	NC	Non-conformances were noted and are identified against the relevant condition(s) below.
3	The conditions of this consent and any reasonable and feasible requirement/s of the Planning Secretary prevail to the extent of any inconsistency, ambiguity or conflict between them and a document/s listed in condition 2(a)-(c) of this Schedule. In the event of an inconsistency, ambiguity or conflict between any of the document/s listed in condition 2(a)-(c) of this Schedule, the most recent document prevails to the extent of the inconsistency, ambiguity or conflict.	C	LR (pers comm) noted an inconsistency in the requirements for the establishment of EEC grassland in a portion of the site biodiversity offsets between Statement of Commitment (SoC) 5 of the MOD2 EA (see Table C) and the requirements of S3, C24 – 25 of MP o6_o264.
4	The Applicant must comply with any reasonable and feasible requirement/s of the Planning Secretary arising from the Department's assessment of: (a) any reports, plans, programs, strategies or correspondence that are submitted in accordance with this approval; and	NT	No directions were received in addition to those described below in this table in relation to MP o6_o264 plans, strategies and other compliance documents (LR, pers comms).

Cond	MP o6_o264 Condition	Status	Evidence
	(b) the implementation of any actions or measures contained in these reports, plans, programs, strategies or correspondence.		
Limits on Consent			
5	This consent expires on 31 August 2038. <i>Note: Under this consent, the Applicant is required to rehabilitate the site and implement biodiversity offsets to the satisfaction of the Planning Secretary. Consequently, this consent will continue to apply in all other respects other than the right to conduct extractive operations until the site has been rehabilitated and the biodiversity offset provided to a satisfactory standard.</i>	NT	Audit is within approval period.
6	The Applicant must not extract or process more than 500,000 tonnes of material on the site each year.	C	Viewed Ardglan Quarry (AQ) Annual Environmental Management Report (AEMR) prepared during the audit period. Sections 2.2 and 2.3 of AEMR documents indicate that the site did not extract or process any material during the audit period.
7	The Applicant must not transport more than: (a) 250,000 tonnes of quarrying products from the site by rail a year; (b) 500,000 tonnes of quarrying products from the site by road a year; and (c) a combined total of 500,000 tonnes of quarrying products by rail and/or road a year.	C	(a) Viewed AQ AEMR prepared during the audit period. Section 2.11 of AEMR documents indicates no rail transport occurred during the audit period. (b) Viewed AQ AEMR prepared during the audit period. Section 2.2 of AEMR documents confirm that transport of product from site were within approved limits: • 2018 AEMR: 41,788 t was transported from site by road; • 2019 AEMR: 70,687 t was transported from site by road; • 2020 AEMR: 5,420 t transported from site by road; and • 2021 AEMR: No transport occurred. • 2022: No transport has occurred to the date of the audit (LR pers comms). (c) Compliant see S2, C7 (a) and (b).

Cond	MP o6_o264 Condition	Status	Evidence
8	The Applicant shall not import more than 80,000 tonnes of materials for the purposes of blending and product quality improvement each year.	C	Viewed AQ AEMR prepared during the audit period. Section 2 of the documents indicates that no materials were imported during the reporting period for the purposes of blending. Confirmed by LR (pers comms) during the audit site visit.
Surrender of Consents			
9	Within 3 years of this approval, the Applicant must surrender all development consents or continuing use rights for the Ardglen Quarry, to the satisfaction of the Planning Secretary.	C	Deemed compliant by previous IEA.
Management Plans/Monitoring Programs			
10	With the approval of the Planning Secretary, the Applicant may submit any management plan or monitoring program required by this consent on a progressive basis.	C	Viewed DPE letter to AQ dated 08/11/21 approving the staged submission of the Landscape Management Plan under S3, C7 of this consent.
Structural Adequacy			
11	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. <i>Notes:</i> • Under Division 6.2 of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for the proposed building works. • Part 8 of the EP&A Regulation sets out the requirements for the certification of development.	NT	LR (pers comms) confirmed that no buildings or structures were developed or altered during the audit period.
Demolition			
12	The Applicant must ensure that all demolition work is carried out in accordance with Australian Standard AS 2601-2001: The Demolition of Structures, or its latest version.	C	Viewed Proposed Demolition Works Statement of Environmental Effects (Monteath & Powys, 2015) and supporting approval 31/2015 provided by Liverpool Plains Shire Council (LPSC) to AQ on the 30/07/15 for the demolition of sheds and obsolete equipment. Also viewed LPSC correspondence of 25/09/19 which indicates that demolition of the buildings and equipment under the DA 31/2015 has been completed.

Cond	MP o6_o264 Condition	Status	Evidence
Operation of Plant and Equipment			
13	The Applicant must ensure that all plant and equipment used at the site is: (a) maintained in a proper and efficient condition; and (b) operated in a proper and efficient manner.	C	(a) Viewed examples of maintenance records during the audit period, including calibration records for: • Weighbridge, dated 23/10/18; • Site weather station, dated 12/04/18, 9/04/19, 12/03/20, and 11/04/21; • PM2.5 monitoring unit, dated 31/03/22. Viewed Daracon Daily Mobile Plant Inspection Procedure PT-PRO-0401-001 dated 06/08/19, which requires that plant and equipment is inspected and maintained in a proper and efficient condition during haulage operations. Viewed hydrocarbon storage tanks and storage area within the quarry, which are currently decommissioned (see Plate 1). It is recommended that AQ investigate options for the reuse of the truck remaining at the site laydown area prior to the recommencement of quarrying operations. (b) Viewed examples of Daracon Driver Code of Conduct – Ardglen Quarry (QU-PRO-0215-001) completed by AQ operators and contractors during the audit period. Viewed examples of monthly environmental inspection reports completed during the audit period by AQ environmental officer, which include comments on mitigation controls and corrective actions (see Plate 2).
Protection of Public Infrastructure			
14	The Applicant must: (a) repair, or pay all reasonable costs associated with repairing any public infrastructure that is damaged by the development; and	C	(a) Viewed AQ 2019 AEMR, Appendix 8 which indicates consultation with LPSC over road repairs in which Daracon notes road maintenance works committed to.

Cond	MP o6_o264 Condition	Status	Evidence
	(b) relocate, or pay all reasonable costs associated with relocating any public infrastructure that needs to be relocated as a result of the development.		(b) LR (per comm) no relocation of public infrastructure required during the audit period.
Use of Crown Roads			
14A	The Applicant must make reasonable efforts to assist in the transfer of any Crown roads forming part of the quarry access route to Council, prior to undertaking any works in the Extension Area.	C	Viewed letter from AQ to Crown Land dated 12/05/22, regarding the presence (or otherwise) of Crown Land along the quarry access route from the New England Highway and the need for transfer of any such roads to LPSC. No response had been received from Crown Land at the time of audit.
Revision of Strategies, Plans or Programs			
15	Within three months of: (a) the submission of an incident report under condition 3 of Schedule 5; (b) the submission of an Annual Review under condition 4 of Schedule 5; (c) the submission of an Independent Environmental Audit under condition 5 of Schedule 5; (d) the approval of any modification of the conditions of this consent (unless the conditions require otherwise), the suitability of existing strategies, plans and programs required under this consent must be reviewed by the Applicant.	C	(a) No incident reports were submitted for AQ during the audit period. (b) Viewed <i>Ardglen Mngt Plan Status Summary 2021/2022</i> provided by LR. The summary notes the status of AQ management plans following submission of the 2021 AEMR. Further details on the management plans and monitoring programs under review at the time of audit are provided below against the relevant conditions in Schedule 3. (c) Not triggered as condition not in effect for the previous IEA. AQ to review the suitability of management documents following submission of this audit. (d) MP o6_o264 MOD2 was approved on 16/03/21. LR (pers comms) confirmed revision of management plans has occurred following MOD2 approval. The compliance status of individual management plans is provided under the relevant conditions below. It is recommended that AQ put a procedure or other system in place to ensure the regular review of strategies, plans and programs for the site, in accordance with the requirements of S2, C15 of MP o6_o264.

Cond	MP o6_o264 Condition	Status	Evidence
16	The Applicant must continue to apply existing management strategies, plans or programs approved prior to the approval of MOD 2, until the approval of a similar plan, strategy or program following the determination of MOD 2.	NC	LR (per comms) confirmed that all AQ management plans in place prior to the approval of MOD2 continue to be applied where updated documents have not been approved, with the exception of the Landscape Management Plan (LMP) (see S3, C3oA) which has been under review in consultation with regulatory agencies since 2018.
17	If necessary, to either improve the environmental performance of the development, cater for a modification or comply with a direction, the strategies, plans and programs required under this consent must be revised, to the satisfaction of the Planning Secretary and submitted to the Planning Secretary for approval within six weeks of the review. Note: This is to ensure strategies, plans and programs are updated on a regular basis and to incorporate any recommended measures to improve the environmental performance of the development.	NT	LR (pers comms) confirmed that AQ management documents have not required updates to reflect specific environmental performance issues during the reporting period. The compliance status of individual management plans is provided under the relevant conditions below.
18	Where conditions of this consent require consultation with an identified party, the Applicant must: (a) consult with the relevant party prior to submitting the subject document; and (b) provide details to the Department of the consultation undertaken including: (i) the outcome of that consultation, matters resolved and unresolved; and (ii) details of any disagreement remaining between the party consulted and the Applicant and how the Applicant has addressed the matters not resolved.	C	Management plans, strategies and programs updated prepared during the audit period include summaries of stakeholder consultation. The compliance status of individual management plans is provided under the relevant conditions below.
SCHEDULE 3 SPECIFIC ENVIRONMENTAL CONDITIONS			
HOURS OF OPERATION			
1	The Applicant must comply with the hours of operation in Table 1.	C	Section 5.4 of AQ 2019 outlines a complaint that a truck movement accessing site occurred before 6:30 am. Viewed correspondence between DPE and AQ regarding the complaint of 31/10/19. The complaint was investigated by AQ and it was found that the truck was operating in accordance with the approved operating hours.

Cond	MP o6_o264 Condition	Status	Evidence																																		
	Table 1: Hours of Operation <table><thead><tr><th>Activity</th><th>Day</th><th>Time</th></tr></thead><tbody><tr><td rowspan="2">Topsoil/overburden removal/emplacement</td><td>Monday-Saturday</td><td>7.00am to 5.00pm</td></tr><tr><td>Sunday</td><td>None</td></tr><tr><td rowspan="2">Blasting</td><td>Monday-Friday</td><td>10:00am to 3.00pm</td></tr><tr><td>Saturdays, Sundays and Public Holidays</td><td>None</td></tr><tr><td rowspan="2">In-pit activities (including drilling, extraction, and transfer of material out of the pit)</td><td>Monday-Saturday</td><td>7.00am to 5:30pm</td></tr><tr><td>Sundays and Public Holidays</td><td>None</td></tr><tr><td rowspan="2">Out-of-pit activities (including processing, and stockpiling)</td><td>Monday-Saturday</td><td>7.00am to 5:30pm</td></tr><tr><td>Sundays and Public Holidays</td><td>None</td></tr><tr><td>Maintenance (if inaudible at nearby residences)</td><td>Monday-Sunday</td><td>Any time</td></tr><tr><td rowspan="2">Truck loading and distribution</td><td>Monday-Saturday</td><td>6.30am to 5.30pm</td></tr><tr><td>Sundays and Public Holidays</td><td>None</td></tr><tr><td>Rail loading</td><td>Monday-Sunday</td><td>7:00am to 10:00pm</td></tr></tbody></table> Note: • The Applicant may load no more than 2 trains each year outside the hours listed in Table 1 (see condition 41). • The Applicant may carry out blasting operations outside the hours listed in Table 1 for safety reasons provided the Applicant has notified EPA and the local community about the proposed blast.	Activity	Day	Time	Topsoil/overburden removal/emplacement	Monday-Saturday	7.00am to 5.00pm	Sunday	None	Blasting	Monday-Friday	10:00am to 3.00pm	Saturdays, Sundays and Public Holidays	None	In-pit activities (including drilling, extraction, and transfer of material out of the pit)	Monday-Saturday	7.00am to 5:30pm	Sundays and Public Holidays	None	Out-of-pit activities (including processing, and stockpiling)	Monday-Saturday	7.00am to 5:30pm	Sundays and Public Holidays	None	Maintenance (if inaudible at nearby residences)	Monday-Sunday	Any time	Truck loading and distribution	Monday-Saturday	6.30am to 5.30pm	Sundays and Public Holidays	None	Rail loading	Monday-Sunday	7:00am to 10:00pm		
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NOISE																																					
Noise Impact Assessment Criteria																																					
2	The Proponent shall ensure that the noise generated by the project does not exceed the noise impact assessment criteria in Table 2 at any residence on privately-owned land, or	C	Viewed AQ quarterly attended noise monitoring reports prepared by Spectrum Acoustics during the																																		

Cond	MP o6_o264 Condition	Status	Evidence																																																																															
	on more than 25 percent of any privately-owned land. Table 2: Noise impact assessment criteria dB(A) <table><tr><th rowspan="2">Land</th><th>Day</th><th>Evening</th><th colspan="2">Night</th></tr><tr><th>L_{Aeq}(15 min)</th><th>L_{Aeq}(15 min)</th><th>L_{Aeq}(15 min)</th><th>L_{A1}(1 min)</th></tr><tr><td>1 – Burraston</td><td>35</td><td>35</td><td>35</td><td>45</td></tr><tr><td>3 – Rose</td><td>35</td><td>35</td><td>35</td><td>45</td></tr><tr><td>4 – CM Thompson</td><td>44</td><td>35</td><td>35</td><td>45</td></tr><tr><td>5 – M Taylor</td><td>45</td><td>35</td><td>35</td><td>45</td></tr><tr><td>6 – S Thompson</td><td>45</td><td>35</td><td>35</td><td>45</td></tr><tr><td>9 – Bates</td><td>37</td><td>35</td><td>35</td><td>45</td></tr><tr><td>10 – Avery</td><td>38</td><td>35</td><td>35</td><td>45</td></tr><tr><td>11 – Shipman</td><td>37</td><td>35</td><td>35</td><td>45</td></tr><tr><td>12 – Hall</td><td>36</td><td>35</td><td>35</td><td>45</td></tr><tr><td>13 – McGhie</td><td>35</td><td>35</td><td>35</td><td>45</td></tr><tr><td>14 – Purtell</td><td>36</td><td>35</td><td>35</td><td>45</td></tr><tr><td>15 – J Taylor</td><td>43</td><td>35</td><td>35</td><td>45</td></tr><tr><td>16 - Bojba</td><td>40</td><td>35</td><td>35</td><td>45</td></tr><tr><td>All other privately-owned land</td><td>35</td><td>35</td><td>35</td><td>45</td></tr></table> However, if the Applicant has a written negotiated noise agreement with any landowner of the land listed in Table 2, and a copy of this agreement has been forwarded to the Department and EPA, then the Applicant may exceed the noise limits in Table 2 in accordance with the negotiated noise agreement. The Applicant may also exceed the LA1(1 min) and LAeq(15 min) noise impact assessment criteria during out of hours rail loading activities provided they are conducted in accordance with condition 41 below. Notes: • For information on the numbering and identification of properties used in this approval see Appendix 5. • Noise generated by the development must be measured in accordance with the relevant requirements and exemptions (including certain meteorological conditions) of the NSW Industrial Noise Policy (EPA, 2000). Appendix 6 sets out the meteorological conditions under which these criteria apply and the requirements for evaluating compliance with these criteria.	Land	Day	Evening	Night		L _{Aeq} (15 min)	L _{Aeq} (15 min)	L _{Aeq} (15 min)	L _{A1} (1 min)	1 – Burraston	35	35	35	45	3 – Rose	35	35	35	45	4 – CM Thompson	44	35	35	45	5 – M Taylor	45	35	35	45	6 – S Thompson	45	35	35	45	9 – Bates	37	35	35	45	10 – Avery	38	35	35	45	11 – Shipman	37	35	35	45	12 – Hall	36	35	35	45	13 – McGhie	35	35	35	45	14 – Purtell	36	35	35	45	15 – J Taylor	43	35	35	45	16 - Bojba	40	35	35	45	All other privately-owned land	35	35	35	45		audit period. These reports note that elevated noise levels were recorded during monitoring on: • On the 16/08/18 at Locations 13, 14 and 16; • On the 16/11/18 at Location 14; • On the 12/02/19 at Locations 4, 14 and 16; • On the 15/05/19 at Locations 4, 13 and 14; • On the 30/08/19 Locations 13, 14 and 16; • On the 22/11/19 at Locations 14 and 16; • On the 28/02/20 at Location 16; • On the 28/05/20 at Locations 14 and 16; • On the 04/08/20 at Locations 13, 14 and 16; • On the 25/11/20 at Locations 13, 14 and 16; • On the 24/02/21 at Locations 13 and 16; • On the 19/05/21 at Locations 14 and 16; • On the 20/08/21 at Location 14; • On the 17/11/21 at Locations 14 and 16. Spectrum Acoustics reports for the above monitoring events note that AQ activities were not a significant noise source contributing to elevated noise and that AQ were compliant with relevant noise criteria. Audit period AEMR documents state that non-compliances against noise impact criteria did not occur during the audit period. Viewed Letters of Understanding between AQ and Receivers 4 and 10 dated 17/01/20 and 15/11/21, respectively. The letters include a section where the two landholders accept that exceedances of noise criterion may occur at their properties. It is recommended that copies of the landholder noise agreements are provided to EPA and DPE, as required under this condition.
Land	Day		Evening	Night																																																																														
	L _{Aeq} (15 min)	L _{Aeq} (15 min)	L _{Aeq} (15 min)	L _{A1} (1 min)																																																																														
1 – Burraston	35	35	35	45																																																																														
3 – Rose	35	35	35	45																																																																														
4 – CM Thompson	44	35	35	45																																																																														
5 – M Taylor	45	35	35	45																																																																														
6 – S Thompson	45	35	35	45																																																																														
9 – Bates	37	35	35	45																																																																														
10 – Avery	38	35	35	45																																																																														
11 – Shipman	37	35	35	45																																																																														
12 – Hall	36	35	35	45																																																																														
13 – McGhie	35	35	35	45																																																																														
14 – Purtell	36	35	35	45																																																																														
15 – J Taylor	43	35	35	45																																																																														
16 - Bojba	40	35	35	45																																																																														
All other privately-owned land	35	35	35	45																																																																														

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3	The Applicant must undertake all construction work within standard construction hours (7.00am to 6.00 pm Monday to Friday and 8.00am to 1.00pm Saturday, excluding Sundays and Public Holidays).	C	LR (per comms) confirmed that no construction work had been undertaken during the audit period. It is recommended that the approved constructions hours for the site are noted in Section 5.1 of the AQ IFMP (EMS).
4	The Applicant must ensure that combined construction and operational noise generated by the development does not exceed the limits outlined in Table 2 of this Schedule, except where: (a) the Applicant has a written negotiated agreement with the owner(s) of the relevant residence/land as outlined in condition 2 of this Schedule; or (b) an alternative temporary limit has been approved by the Planning Secretary for specific construction works or for a fixed period of time.	C	(a) Viewed Letters of Understanding between AQ and Receivers 4 and 10. The letters include a section where the two landholders accept that exceedances of noise criterion may occur at their properties. (b) Not triggered. LR (pers comm) confirmed no alternative temporary limits were approved during the audit period.
4A	In order to seek an alternative temporary construction noise limit under condition 4(b) of this Schedule, the Applicant must submit a Construction Noise Protocol to the Planning Secretary for approval, prior to undertaking the nominated construction works. This protocol must: (a) be prepared in consultation with the EPA and any landowners who may be affected by noise generated by the nominated construction works; and (b) address the relevant requirements of the Interim Construction Noise Guideline (DECC 2009).	NT	LR (per comms) confirmed that no construction work had been undertaken during the audit period.
4B	The Applicant must implement any Construction Noise Protocol as approved by the Planning Secretary.	NT	LR (per comms) confirmed that no construction work had been undertaken during the audit period.
Operating Conditions			
4C	The Applicant must: (a) take all reasonable steps to minimise noise from construction and operational activities, including low frequency noise and other audible characteristics, as well as road noise associated with the development; (b) operate a noise management system to guide day to day planning of quarrying operations and implementation of both proactive and reactive noise mitigation measures to ensure compliance with the relevant conditions of this consent; (c) take all reasonable steps to minimise the noise impacts of the development during noise-enhancing meteorological conditions, particularly when the noise criteria in this	C	(a) Viewed Noise Management Plan (NMP) approved by DPE on 15/12/21. Section 10 outlines operational controls to reduce noise from site activities. (b) and (c) Viewed Section 10.2 of the NMP, which contains reactive mitigation measures depending on meteorological conditions including the alteration of daily schedules.

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	consent do not apply (see Appendix 6); (d) carry out regular noise monitoring (at least once a month while quarrying operations are being carried out, unless otherwise agreed by the Planning Secretary) to determine whether the development is complying with the relevant conditions of this consent; and (e) regularly assess the noise monitoring data and modify or stop operations on the site to ensure compliance with the relevant conditions of this consent.		(d) The NMP notes that noise monitoring will be carried out quarterly when quarrying operations are not being carried out, which applies to the audit period. Reviewed Spectrum Acoustics reports prepared during the audit (see S3, C2 above). (e) Section 9.2 of the NMP describes the noise monitoring protocol for modification of site operations following attended monitoring events.
4D	Prior to carrying out any processing activities under this consent, the Applicant must implement the recommended noise mitigation measures as outlined in the MOD 2 EA to the satisfaction of the Planning Secretary.	NT	LR (per comms) confirmed that no processing activities have been undertaken during the audit period.
4E	The Applicant must not operate processing equipment while undertaking: (a) rail loading; and/or (b) topsoil/overburden removal or emplacement.	NT	LR (per comms) confirmed that no processing activities have been undertaken during the audit period.
Continuous Improvement			
5	The Applicant must: (a) investigate ways to reduce the noise generated by the development, including off-site road and rail noise and maximum noise levels which may result in sleep disturbance; and (b) report on these investigations and the implementation and effectiveness of these measures in the Annual Review, to the satisfaction of the Planning Secretary.	C	(a) Section 10.4 of the AQ NMP outlines the continuous noise improvements and investigations process for site. (b) Section 4.2.7 of the 2021 AQ AEMR notes that 'a number of critical improvements to the noise mitigation measures to enable the appropriate handling and processing of material on site'. It is recommended that AQ report on any noise investigations and the implementation of additional mitigation measures committed to under MOD2 in future AEMRs.
Monitoring			
6	The Applicant must prepare a Noise Monitoring Program for the development in consultation with EPA and to the satisfaction of the Planning Secretary. The program must: (a) include:	C	(a) Section 9 of the NMP outlines the Noise Monitoring Program. Viewed AQ AEMR prepared during the audit period. Noise monitoring reports for the relevant year are

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	(i) a combination of attended and unattended noise monitoring measures; (ii) detailed measures to comply with condition 4C of this Schedule; and (iii) a noise monitoring protocol for evaluating compliance with the noise criteria in Table 2 of this Schedule; and (b) be submitted to the Planning Secretary for approval within three months of the determination of MOD 2 (or other timeframe as agreed by the Planning Secretary).		included in Appendix 2 of each AEMR and outline attended and unattended monitoring results. LR (per comms) confirmed that in accordance with the NMP, monthly monitoring would only be undertaken during AQ operations and would otherwise be undertaken quarterly. Viewed correspondence from DPE to AQ dated 12/07/18 which supports this. (b) Viewed LR records confirming lodgement of the revised AQ BMP on the DPE portal for consultation on 29/07/21 and EPA response to the draft document dated 05/08/21. DPE subsequently approved the revised NMP on 15/12/21.						
6A	The Applicant must implement the Noise Monitoring Program as approved by the Planning Secretary.	C	See comments regarding quarterly noise monitoring under S3, C2 above. The Noise Monitoring Program has been implemented during the audit period generally in accordance with the approved NMP.						
BLASTING AND VIBRATION									
Airblast Overpressure Criteria									
7	Airblast Overpressure Criteria The Applicant must ensure that the airblast overpressure level from blasting at the development does not exceed the criteria in Table 5 at any privately-owned residence. Table 5: Airblast overpressure impact assessment criteria <table><tr><th>Airblast overpressure level (dB(Lin Peak))</th><th>Allowable exceedance</th></tr><tr><td>115</td><td>5% of the total number of blasts over a period of 12 months</td></tr><tr><td>120</td><td>0%</td></tr></table>	Airblast overpressure level (dB(Lin Peak))	Allowable exceedance	115	5% of the total number of blasts over a period of 12 months	120	0%	NT	Viewed AQ AEMR prepared during the audit period. Section 4.2.5 confirmed that no blasts occurred on site. LR (pers comms) noted that no blasting had been undertaken during 2022.
Airblast overpressure level (dB(Lin Peak))	Allowable exceedance								
115	5% of the total number of blasts over a period of 12 months								
120	0%								
Ground Vibration Impact Assessment Criteria									
8	Ground Vibration Impact Assessment Criteria The Applicant must ensure that the ground vibration level from blasting at the development does not exceed the criteria in Table 6 at any privately-owned residence.	NT	See Schedule 3, Condition 7.						

Cond	MP o6_o264 Condition	Status	Evidence						
	Table 6: Ground vibration impact assessment criteria <table><tr><th>Peak particle velocity (mm/s)</th><th>Allowable exceedance</th></tr><tr><td>5</td><td>5% of the total number of blasts over a period of 12 months</td></tr><tr><td>10</td><td>0%</td></tr></table>	Peak particle velocity (mm/s)	Allowable exceedance	5	5% of the total number of blasts over a period of 12 months	10	0%		
Peak particle velocity (mm/s)	Allowable exceedance								
5	5% of the total number of blasts over a period of 12 months								
10	0%								
Blasting Frequency									
9	The Applicant must not carry out more than 30 blasts a year, or more than 1 blast per day, without the written approval of the Planning Secretary.	NT	See Schedule 3, Condition 7.						
Operating Conditions									
10	The Applicant shall implement best blasting practice to: (a) protect the safety of people, property, public infrastructure and livestock; and (b) minimise the dust and fume emissions from blasting at the project, to the satisfaction of the Planning Secretary.	NT	See Schedule 3, Condition 7.						
11	The Applicant shall not undertake blasting within 500 metres of any privately-owned land or any land not owned by the Proponent, unless suitable arrangements have been made with the landowner and any tenants to minimise the risk of flyrock-related impact to the property to the satisfaction of the Planning Secretary.	NT	See Schedule 3, Condition 7. Section 9.1 of the approved AQ Blast Management Plan (BMP) outlines this requirement.						
Public Notice									
12	The Applicant shall: (a) notify the landowner/occupier of any residence within 1 kilometre of the quarry pit who registers an interest in being notified about the blasting schedule at the quarry; (b) operate a Blasting Hotline, or alternate system agreed to by the Planning Secretary, to enable the public to get up-to-date information on the blasting schedule at the quarry; (c) keep local residents informed about this hotline (or any alternative notification protocols), to the satisfaction of the Planning Secretary.	NC	See Schedule 3, Condition 7. Section 9.1 of the approved BMP includes commitments in relation to blast notifications. It is noted that blasting was not undertaken during the audit period and that a site contact complaints number is available on the AQ website, however an approach to landholders regarding expressions of interest in receiving blast notifications required under S3, C12(a) has not been made. It is recommended that AQ provide the relevant notifications and set up a Blasting Hotline to the approval of DPE prior to the recommencement of operations on site.						

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Property Investigations			
13	If any landowner of privately-owned land within 1 kilometre of the site claims that buildings and/or structures on his/her land have been damaged as a result of blasting at the site, following commencement of operations within the extension area, then he/she may ask the Planning Secretary in writing to investigate the claim. If the Planning Secretary is satisfied that an independent property investigation is warranted, the Applicant must within 3 months of the Planning Secretary's determination: (a) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Planning Secretary, to investigate the claim; and (b) give the landowner a copy of the property investigation report. If this independent property investigation confirms the landowner's claim, and both parties agree with these findings, then the Applicant must repair the damages to the satisfaction of the Planning Secretary. If the Applicant or landowner disagrees with the findings of the independent property investigation, then either party may refer the matter to the Planning Secretary for resolution.	NT	LR (per comms) confirmed that no requests for property investigations had been made during the audit period.
Blast Monitoring Program			
14	The Applicant must prepare a Blast Monitoring Program for the development in consultation with the EPA and to the satisfaction of the Planning Secretary. This program must: (a) include a protocol for demonstrating compliance with the blasting criteria in Table 6 of this Schedule; and (b) be submitted to the Planning Secretary for approval within three months of the determination of MOD 2 (or other timeframe as agreed by the Planning Secretary).	NC	(a) Section 8 of the AQ BMP provides a compliance management protocol for blast monitoring. (b) Viewed LR records confirming lodgement of the revised AQ BMP to DPE on 24/12/21. The submission date of the BMP was outside of the period for review of management plans following the determination of MOD2 (i.e. 28/07/21 as noted in DPE letter to AQ dated 06/10/21). It is noted that the lodgement date for the draft BMP was consistent with the date nominated by AQ in correspondence to DPE dated 11/06/21. The BMP was subsequently approved by DPE on 23/03/22.

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14A	The Applicant must implement the Blast Monitoring Program as approved by the Planning Secretary.	NT	Revised AQ BMP was approved on 23/03/22 by DPE. LR (pers comms) noted that no blasting had been undertaken during the audit period. No blast monitoring has been required.																													
AIR QUALITY																																
Impact Assessment Criteria																																
15	The Applicant must ensure that the dust emissions generated by the development do not cause additional exceedances of the air quality impact assessment criteria listed in Tables 8, 9 and 10 at any residence on privately-owned land. Table 8: Long term impact assessment criteria for particulate matter <table><tr><th>Pollutant</th><th>Averaging period</th><th>Criterion</th></tr><tr><td>Total suspended particulate (TSP) matter</td><td>Annual</td><td>^{a, c} 90 µg/m³</td></tr><tr><td>Particulate matter < 10 µm (PM₁₀)</td><td>Annual</td><td>^{a, c} 25 µg/m³</td></tr><tr><td>Particulate matter < 2.5 µm (PM_{2.5})</td><td>Annual</td><td>^{a, c} 8 µg/m³</td></tr></table> Table 9: Short term impact assessment criterion for particulate matter <table><tr><th>Pollutant</th><th>Averaging period</th><th>Criterion</th></tr><tr><td>Particulate matter < 10 µm (PM₁₀)</td><td>24 hour</td><td>^b 50 µg/m³</td></tr><tr><td>Particulate matter < 2.5 µm (PM_{2.5})</td><td>24 hour</td><td>^b 25 µg/m³</td></tr></table> Table 10: Long term impact assessment criteria for deposited dust <table><tr><th>Pollutant</th><th>Averaging period</th><th>Maximum increase in deposited dust level</th><th>Maximum total deposited dust level</th></tr><tr><td>Deposited dust</td><td>Annual</td><td>2 g/m²/month</td><td>4 g/m²/month</td></tr></table> Notes: <i>a Total impact (i.e. incremental increase in concentrations due to the development plus background concentrations due to all other sources).</i> <i>b Incremental impact (i.e. incremental increase in concentrations due to the development on its own).</i> <i>c Excludes extraordinary events such as bushfires, prescribed burning, dust storms, fire incidents or any other activity agreed by the Planning Secretary.</i>	Pollutant	Averaging period	Criterion	Total suspended particulate (TSP) matter	Annual	^{a, c} 90 µg/m³	Particulate matter < 10 µm (PM ₁₀)	Annual	^{a, c} 25 µg/m³	Particulate matter < 2.5 µm (PM _{2.5})	Annual	^{a, c} 8 µg/m³	Pollutant	Averaging period	Criterion	Particulate matter < 10 µm (PM ₁₀)	24 hour	^b 50 µg/m³	Particulate matter < 2.5 µm (PM _{2.5})	24 hour	^b 25 µg/m³	Pollutant	Averaging period	Maximum increase in deposited dust level	Maximum total deposited dust level	Deposited dust	Annual	2 g/m²/month	4 g/m²/month	C	The following elevated air quality values were recorded during the audit period: - Oct 2018 – Elevated value of 5.2 g/m² recorded at Depositional Dust Gauge (DDG) site EPA3. Section 4.3.7 of the 2018 AEMR notes the result was not considered an exceedance due to a high combustible matter content of 3.8g/m² (per correspondence from AQ to DPE on the 29/11/18); - A number of exceedances of the 24hr PM10 were recorded during 2019, including: on 13/02/19 at PM10-1, 29/10/19 at PM10-1, 22/11/19 at PM10-1, 28/11/19 at PM10-1, 10/12/19 at PM10-1, 16/12/19 at PM10-1, 22/12/19 at PM10-1, 28/12/19 at PM10-1, 13/02/19 at PM10-2, 22/11/19 at PM10-2, 28/11/19 at PM10-2, 10/12/19 at PM10-2, 22/12/19 at PM10-2, 28/12/19 at PM10-2, 13/02/19 at TSP, 17/10/19 at TSP, 22/11/19 at TSP, 28/11/19 at TSP, 10/12/19 at TSP, 16/12/19 at TSP, 22/12/19 at TSP, and 28/12/19 at TSP. The elevated results were reviewed by AQ and were not considered to be an exceedance by AQ due to extraordinary inland dust storms and the intense drought conditions faced across the year (Section 4.3.7 of the 2019 AEMR); - Elevated results were also experienced during 2020: 21/01/20 at PM10-1, 3/01/20 at PM10-2,
Pollutant	Averaging period	Criterion																														
Total suspended particulate (TSP) matter	Annual	^{a, c} 90 µg/m³																														
Particulate matter < 10 µm (PM ₁₀)	Annual	^{a, c} 25 µg/m³																														
Particulate matter < 2.5 µm (PM _{2.5})	Annual	^{a, c} 8 µg/m³																														
Pollutant	Averaging period	Criterion																														
Particulate matter < 10 µm (PM ₁₀)	24 hour	^b 50 µg/m³																														
Particulate matter < 2.5 µm (PM _{2.5})	24 hour	^b 25 µg/m³																														
Pollutant	Averaging period	Maximum increase in deposited dust level	Maximum total deposited dust level																													
Deposited dust	Annual	2 g/m²/month	4 g/m²/month																													

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	<i>d Deposited dust is to be assessed as insoluble solids as defined by Standards Australia, AS/NZS 3580.10.1:2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulate Matter - Deposited Matter - Gravimetric Method.</i>		21/01/20 at PM10-2, 3/01/20 at TSP, on 21/01/20 at TSP, although it was also determined by AQ to be from external sources. Section 4.3.8 of AQ AEMR prepared during the 2018, 2019 and 2020 review periods indicate that investigations into the elevated "24" hr HVAS measurements were from external influences. These were likely from regional dust storms and drought condition effects. LR (per comms) confirmed that a monitoring unit capable of measuring PM2.5 was installed and commissioned in April 21 following approval of a revised AQMP for site (see Plate 3).
15A	The air quality criteria in Tables 8, 9 and 10 do not apply if the Applicant has an agreement with the owner/s of the relevant residence or infrastructure to exceed the air quality criteria, and the Applicant has advised the Department in writing of the terms of this agreement.	NT	No air quality agreements are in place with local residents.
16	The Applicant must: (a) take all reasonable steps to: (i) minimise the particulate matter (including PM10 and PM2.5) emissions of the development, paying particular attention to minimising wheel-generated haul road emissions; (ii) improve energy efficiency and reduce greenhouse gas emissions of the development; (iii) minimise any visible off-site air pollution generated by the development; and (iv) minimise the extent of potential dust generating surfaces exposed on the site at any given point in time; (b) operate an air quality management system to guide the day to day planning of quarrying operations and implementation of both proactive and reactive air quality mitigation measures to ensure compliance with the relevant conditions of this consent; (c) minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see Note C to Tables 8 to 10 above);	C	(a) (i) Section 8, Table 7 of the AQMP approved on 16/12/21 provides dust mitigation measures to be implemented on site, including but not limited to: • A wheel wash station; • Load covering; • High level watering on unpaved surfaces; • Stockpiles kept damp; Speed limits on unpaved surfaces. Section 2.7 of the 2020 AQ AEMR notes that the previous hired wheel wash station had been removed from site. This section of the document also states that a wheel wash will be re-installed prior to any further export of product from site. LR (pers comms) confirmed haulage of product from site has not occurred during the period when a wheel wash has not been in place (see S2, C7).

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	(d) carry out regular air quality monitoring to determine whether the development is complying with the relevant conditions in this consent; and (e) regularly assess meteorological and air quality monitoring data and relocate, modify or stop operations on the site to ensure compliance with the relevant conditions of this consent.		It is recommended that AQ implement a permanent wheel wash station at the location approved in the MOD2 EA before recommencement of operations. (ii) , (iii) and (iv) Viewed AQ AEMR prepared during the audit period. Section 2.6 indicates emissions reducing measures taken. (b) Viewed AQMP Section 8 contains reactive mitigation measures depending on meteorological conditions including the alteration of daily schedules to match the meteorological conditions. (c) Viewed AQMP Section 8 contains reactive mitigation measures depending on meteorological conditions including the alteration of daily schedules to match the meteorological conditions (d) Viewed AQMP Section 8. Sighted weather station in place at AQ (see Plate 4), daily risk forecast and real-time data available to assist with regular review of prevailing conditions (see Plate 5).
Monitoring			
17	The Applicant must prepare an Air Quality Monitoring Program for the development in consultation with EPA and to the satisfaction of the Planning Secretary. This program must: (a) use a combination of high-volume air samplers and dust deposition gauges to monitor the dust emissions from the development; (b) include a protocol for demonstrating compliance with the air quality impact assessment criteria in this approval; and (c) be submitted to the Planning Secretary for approval prior to within three months of the determination of MOD 2 (or other timeframe as agreed by the Planning Secretary).	NC	The air quality monitoring program for site is outlined in Section 9 of the approved AQMP: a) Air quality monitoring at the site was performed during the audit period using 3 depositional dust gauges, 3 HVAS systems (2 of which measure PM10 and one measuring TSP), with PM2.5 installed in April 21. b) Section 9 of the AQMP outlines the air monitoring and compliance protocols.

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			The following non-compliances with the requirement to demonstrate compliance with air quality criteria in accordance with the AQMP occurred during the audit period: - Oct 2018 – High Volume Air Sampler (HVAS) sites did not operate for full run time twice due to local power outages; - Oct 2019 – High Volume Air Sampler (HVAS) sites did not operate for full run time due to local power outages; - Oct 2020 – HVAS site PM₁₀₋₁ HVAS run time did not operate for full run time due to due to a fault in the system. It is noted that these non-compliances with air quality monitoring requirements were identified by AQ and reported to DPE in accordance with the reporting procedures outlined in the AQMP, and reported in the relevant AEMRs. c) Viewed LR records confirming lodgement of the revised AQ AQMP on the DPE portal for consultation on 29/07/21 and EPA response to the draft document dated 05/08/21. The AQMP was subsequently approved by DPE on 16/12/21.
17A	The Applicant must implement the Air Quality Monitoring Program as approved by the Planning Secretary.	C	A Revised AQMP was approved by DPE on 16/12/21. Monitoring during the audit period was undertaken generally in accordance with the air quality monitoring program (see non-compliances noted under S3, C15, 17).
METEOROLOGICAL MONITORING			
18	The Applicant must ensure the development has a suitable meteorological station in the vicinity of the site that: (a) complies with the requirements in the Approved Methods for Sampling and Analysis of Air Pollutants in New South Wales (DEC, 2007); and	C	Section 9 of the AQMP confirms the compliance requirements and parameters for the site weather station (see Plate 4).

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	(b) is capable of measuring meteorological conditions in accordance with the NSW Industrial Noise Policy (EPA, 2000), unless a suitable alternative is approved by the Planning Secretary following consultation with the EPA.		(a) and (b) Viewed AQ AEMR prepared during the audit period. Section 4.3.2 of the AEMRs confirm that the system measures: • Rainfall; • Wind Speed and Direction; • Temperature at 2 m and 10 m; • Sigma Theta; and • Solar Radiation. Viewed Certificate of Conformance from correspondence between Envirodata and AQ dated 30/04/21 which indicates that the site weather station measures conditions in accordance with EPA (2007) requirements.
SURFACE AND GROUND WATER			
18A	The Applicant must ensure that the sediment basin described in EA MOD 2 and any associated drainage structures required for the carrying out of the development are located wholly within the site, except as authorised in writing by ARTC and/or DPIE Crown Lands (as relevant).	NT	Viewed the site for development of the sediment basin described in the MOD2 EA, indicated as the 'Tertiary Dam' in Figure 3 of the AQ AEMR 21. The enlarged 'Tertiary Dam' sediment basin approved under MOD2 has not yet been constructed (see Plate 6).
18B	The Applicant must obtain any necessary licences and/or approvals from DPIE Crown Lands under the Crown Lands Management Act 2016 prior to: (a) carrying out any works on Crown Land; or (b) allowing the controlled discharge of water from the site to Doughboy Hollow Creek.	NT	(a) LR (pers comms) confirmed that works had not been undertaken on Crown Land during the audit period. (b) Viewed AQ AEMR prepared during the audit period. Section 4.1.2 indicates no discharges occurred during the audit period. LR (pers comms) confirmed that no discharges had occurred during 2022.
18C	The Applicant must obtain any necessary licences and/or approvals from the ARTC prior to carrying out any works described in the MOD 2 EA within the Right of Carriageway which burdens Lot 1 DP 1001734.	NT	LR (pers comms) confirmed that works described in the MOD2 EA had not commenced at the time of audit.

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18D	The Applicant must not undertake any excavation exceeding 2 m in depth within 25 m of the Main Northern Railway corridor unless otherwise approved in writing by ARTC. <i>a The 25 m setback is to be measured from the site boundary adjacent to the Main Northern Railway.</i>	NT	LR (pers comms) confirmed that works within 25 m of the rail corridor described in the MOD2 EA had not commenced at the time of audit.
18E	Prior to commencing quarrying operations in the Extension Area (or other timeframe as agreed by the Planning Secretary), the Applicant must install a groundwater monitoring bore with a minimum depth equivalent to the finished depth of the in-pit sump, in consultation with DPIE Water. Notes: • <i>The in-pit sump is shown in Appendix 1</i> • <i>The purpose of the groundwater monitoring bore is to inform the development of the Groundwater Monitoring Program</i>	NT	Section 2.7 of the 2021 AEMR states that four groundwater monitoring bores were installed following approval of MOD2, as noted in the MOD2 EA (see Plate 7 for image of one of the new bores). LR (pers comms) confirmed that the intent of the new bores was to provide groundwater data representative of the final depth of the in-pit sump. It was also noted that AQ are in consultation with DPIE Water regarding the installation of the new bores at the time of audit.
18F	The Applicant must ensure that any works to be conducted on waterfront land are carried out in accordance with Guidelines for Controlled Activities on Waterfront Land (2018) and in consultation with DPIE Water.	NT	Works within 40 m of Doughboy Hollow Creek have not occurred since the approval of MOD2 on 16/03/21.
Surface Water Discharges			
19	The Applicant must only discharge water from the site in accordance with the provisions of an EPL.	C	Viewed AQ AEMR prepared during the reporting period. Section 4.1.2 indicates and no discharges have occurred from 2016 to 21. LR (pers comms) confirmed that no discharges have occurred during 2021 to date.
Site Water Management Plan			
20	The Applicant must prepare a Site Water Management Plan for the development, a in consultation with EPA, DPIE Water, DPIE Crown Lands and ARTC, and to the satisfaction of the Planning Secretary. This plan must be prepared by suitably qualified expert/s whose appointment/s have been approved by the Planning Secretary, and must include: (a) a Site Water Balance; (b) an Erosion and Sediment Control Plan; and (c) a Surface Water Management Plan; (d) a Groundwater Monitoring Program; and	NC	Viewed Appendix F of the approved EMS which presents the Site Water Management Plan (SWMP) (dated 30/09/10). The SWMP includes: (a) Site water balance (Section 3.0); (b) Erosion and sediment control plan (Section 4.0); and

Cond	MP o6_o264 Condition	Status	Evidence
	(e) a Dewatering Management Plan. <i>a The Site Water Management Plan must incorporate the existing quarry operations and operations within the extension area</i> <i>b In accordance with condition 23D of this Schedule, the Planning Secretary may waive the requirement for a Dewatering Management Plan if no pit dewatering is required</i>		(c) Surface water monitoring program (Section 5.o). The approved 2010 SWMP does not provide details required by the conditions of MOD2 for a: (c) Groundwater monitoring program; and (d) Dewatering management plan. LR (pers comms) noted that the SWMP is currently under review at the time of audit to align with MOD2 requirements, in consultation with relevant agencies. Viewed correspondence from DPE to AQ dated: 17/06/21, confirming Departmental approval of Umwelt as the nominated expert to prepare the updated SWMP; - Submission of the latest draft SWMP (at the time of audit) for regulatory review on 30/09/21; and 18/03/22, confirming DPE has commenced detailed assessment of the updated SWMP document. It is recommended that AQ continue to liaise with DPE and DPE Water to gain approval of the updated SWMP, to address MOD2 compliance requirements and commitments. LR (pers comms) noted that a draft SWMP to address the requirements of MOD2 was submitted by AQ in July 2021.
Site Water Balance			
21	The Site Water Balance must include details of: (a) sources and reliability of water supply; (a1) predicted annual inflows to and outflows from the site; (b) water storage capacity; (c) water use and management on the site; (d) licensed discharge points and limits; (e) reporting procedures, including the annual preparation of an updated site water	C	Viewed AQ SWMP Section 3 which outlines the Site Water Balance. This includes: (a) Section 3.2 outline sources and reliability of water supply; (a)(1) Section 3.2.3 outlines predicted annual inflows to and outflows from the site; (b) Section 3.2.3 indicates the water storage capacity;

Cond	MP o6_o264 Condition	Status	Evidence
	balance during quarrying operations.		(c) Section 3.2.3 outlines water use and management on the site; (d) Section 3.2.5 indicates licensed discharge points and limits; and (e) Section 3 describes the site water balance model adopted for site. It is recommended that a requirement for annual update of the site water balance is included in the current revisions of the SWMP underway at the time of audit (see S3, C2o above). The annual review of the site water should only occur following the recommencement of operations on site.
Erosion and Sediment Control			
22	The Erosion and Sediment Control Plan must: (a) be consistent with the requirements of the Managing Urban Stormwater: Soils and Construction Manual (Landcom 2004, or its latest version); (b) identify activities that could cause soil erosion and generate sediment; (c) describe measures to minimise soil erosion and the potential for the transport of sediment to downstream waters; (d) describe the location, function, and capacity of erosion and sediment control structures; and (e) describe what measures would be implemented to maintain the structures over time.	NC	Viewed AQ SWMP Section 4.0, which outlines the Erosion and Sediment Control Plan (ESCP) for site. This includes: (a) Section 4.2.1, which notes the ESCP has been prepared in consideration of the requirements of the <i>Managing Urban Stormwater: Soils and Construction Manual</i> (Landcom 2004)); (b) Activities that could cause soil erosion and generate sediment are not specified in the ESCP. It is recommended that these activities be identified and included in the current revisions to the SWMP (see S3, C2o above); (c) Section 4.2.2 and 4.2.3 a description of the measures to minimise soil erosion and the potential for the transport of sediment to downstream waters; (d) Section 4.2 a description of the location, function, and capacity of erosion and sediment control structures; and

Cond	MP o6_o264 Condition	Status	Evidence
			(e) Section 4.2.3 a description of the measures that have been implemented to maintain the structures over time.
Surface Water Management Plan			
23	The Surface Water Management Plan must include: (a) detailed baseline data on surface water quality in Doughboy Hollow Creek; (b) flow modelling of Doughboy Hollow Creek; (c) surface water impact assessment criteria, including trigger levels for investigating any potentially adverse impacts, and surface water management performance measures; (d) a detailed description of the surface water management system on the site, including the: (i) clean water diversion system; (ii) erosion and sediment controls; (iii) dirty water management system; and (iv) water storages; (e) a program to monitor and evaluate: (i) any surface water discharges; (ii) the effectiveness of the water management system, particularly in minimising the risk of uncontrolled discharges from the site; and (iii) surface water flows and quality in watercourses and/or waterbodies that could potentially be impacted by the development; (f) a protocol for identifying and investigating any exceedances of the surface water impact assessment criteria and for notifying the Department and relevant stakeholders of these events; and (g) a trigger action response plan to respond to any exceedances of the relevant performance measures or performance criteria	NC	Viewed AQ SWMP Section 5.0, which outlines the Surface Water Monitoring Program for site. This Includes: (c) Section 5.2 outlines the Water Quality Criteria and trigger values; and (f) Section 5.4.2 outlines the protocol for notifying the EPA of environmental harm. The approved document does not include content to address MOD2 requirements for: (a) Detailed baseline data for Doughboy Hollow Creek water quality; (b) Doughboy Hollow Creek flow modelling; (d) A detailed description of the SW management systems on site; and (g) A trigger action response plan to respond to exceedances of performance measures / criteria. It is recommended that the revised SWMP currently in preparation include additional information to address the requirements of Condition 23 (see S3, C2o above).
23A	The Applicant must submit the Site Water Balance, Erosion and Sediment Control Plan and Surface Water Management Plan to the Planning Secretary for approval within three months of the determination of MOD 2 (or other timeframe as agreed by the Planning Secretary).	C	Viewed LR records confirming lodgement of the latest draft of the AQ SWMP on the DPE portal for consultation on 29/07/21 and EPA response to the draft document dated 05/08/21.

Cond	MP o6_o264 Condition	Status	Evidence
			LR (pers comms) noted that AQ are in consultation with regulatory agencies over determination of the revised SWMP at the time of audit.
Groundwater Monitoring Program			
23B	The Groundwater Monitoring Program must: (a) incorporate at least 12 months of baseline data on groundwater levels obtained from the monitoring bore required under condition 18E of this Schedule; (b) include groundwater performance criteria, including trigger levels for identifying and investigating any potentially adverse groundwater impacts (or trends) associated with the development; (c) include a program to identify, report on and respond to any unauthorised groundwater interference, including inflows into extraction areas or interaction between on-site water storages and the groundwater system; and (d) include a protocol to obtain appropriate water licence(s) for any groundwater take; and It be submitted to the Planning Secretary for approval within 12 months of commencing quarrying operations in the Extension Area (or other timeframe as agreed by the Planning Secretary).	NT	Viewed correspondence from DPE to AQ confirming lodgement of a revised SWMP for review on 30/09/21. The draft SWMP document includes a Groundwater Monitoring Program prepared to address S3, C28B. Quarrying operations within the MOD2 Extension Area have not commenced at the time of audit.
23C	Does not exist		
Dewatering Management Plan			
23D	Unless otherwise agreed by the Planning Secretary (a), the Applicant must prepare a Dewatering Management Plan for the overburden infill area (b) to the satisfaction of the Planning Secretary. This plan must: (a) include details of: (i) any pumping or pipeline infrastructure to be used for dewatering activities; (ii) proposed water transfer and discharge arrangements; and (b) include a program to monitor and report on any dewatering activities that involves any discharges from the site; and (c) be submitted to the Planning Secretary for approval prior to carrying out emplacement activities in the overburden infill area. a The Planning Secretary may waive the requirement for a Dewatering Management Plan if no pit dewatering is required	NC	Viewed the approved SWMP, which does not include a Dewatering Management Plan. It is recommended that the revised SWMP include a Dewatering Management Plan to address the requirements for MOD2.

Cond	MP o6_o264 Condition	Status	Evidence										
	b The overburden infill area is shown in Appendix 2												
23E	The Applicant must implement the Site Water Management Plan as approved by the Planning Secretary.	C	AQ activities during the audit period were undertaken generally in accordance with the approved SWMP (see S3, C20).										
REHABILITATION AND LANDSCAPE MANAGEMENT													
Rehabilitation													
24	The Applicant must progressively rehabilitate the site in a manner that is generally consistent with the conceptual rehabilitation principles and proposed rehabilitation strategy in the documents listed in condition 2(a)-(c) of Schedule 2 and as shown conceptually in Appendix 2, and must comply with the objectives in Table 11. Table 11: Rehabilitation objectives <table><tr><th>Feature</th><th>Objective</th></tr><tr><td>All areas of the site affected by the development</td><td> - Safe - Hydraulically and geotechnically stable - Non-polluting - Fit for the intended post-quarrying operations land use(s) - Final landform integrated with surrounding natural landforms as far as is reasonable and feasible, and minimising visual impacts when viewed from surrounding land </td></tr><tr><td>Surface infrastructure</td><td> - Decommissioned and removed, unless otherwise agreed by the Planning Secretary </td></tr><tr><td>Quarry benches and pit floor</td><td> - Landscaped and vegetated using native tree and understorey species representative of Yellow Box White Box Blakely's Red Gum Woodland EEC </td></tr><tr><td>Overburden infill area^a</td><td> - Backfilled areas integrated with surrounding natural landforms as far as is reasonable and feasible - Emplacement areas integrated with the site water management system - Establish grassland to support sustainable agricultural activities - Use species found in the local area that are suitable for pasture production </td></tr></table> ^a The overburden infill area is shown in Appendix 2	Feature	Objective	All areas of the site affected by the development	- Safe - Hydraulically and geotechnically stable - Non-polluting - Fit for the intended post-quarrying operations land use(s) - Final landform integrated with surrounding natural landforms as far as is reasonable and feasible, and minimising visual impacts when viewed from surrounding land	Surface infrastructure	Decommissioned and removed, unless otherwise agreed by the Planning Secretary	Quarry benches and pit floor	Landscaped and vegetated using native tree and understorey species representative of Yellow Box White Box Blakely's Red Gum Woodland EEC	Overburden infill area ^a	- Backfilled areas integrated with surrounding natural landforms as far as is reasonable and feasible - Emplacement areas integrated with the site water management system - Establish grassland to support sustainable agricultural activities - Use species found in the local area that are suitable for pasture production	C	Rehabilitation activities were undertaken in 2020 and 2021, as described in the 2020 and 2021 AEMRs. During 2020, 500 saplings were planted across two rehabilitation areas. During 2021, 450 saplings were planted across the Biodiversity Offset Areas. Viewed email correspondence on the 23/03/21 between BCT and AQ which indicated the species BCT required to be planted on the site. Sighted plantings on rehabilitation areas and Biodiversity Offset Areas. See Plate 8 and Plate 9 for examples of rehabilitation plantings established during the audit period.
Feature	Objective												
All areas of the site affected by the development	- Safe - Hydraulically and geotechnically stable - Non-polluting - Fit for the intended post-quarrying operations land use(s) - Final landform integrated with surrounding natural landforms as far as is reasonable and feasible, and minimising visual impacts when viewed from surrounding land												
Surface infrastructure	Decommissioned and removed, unless otherwise agreed by the Planning Secretary												
Quarry benches and pit floor	Landscaped and vegetated using native tree and understorey species representative of Yellow Box White Box Blakely's Red Gum Woodland EEC												
Overburden infill area ^a	- Backfilled areas integrated with surrounding natural landforms as far as is reasonable and feasible - Emplacement areas integrated with the site water management system - Establish grassland to support sustainable agricultural activities - Use species found in the local area that are suitable for pasture production												

Cond	MP o6_o264 Condition	Status	Evidence
Offset Strategy			
25	Prior to undertaking any works in the Extension Area, the Applicant must revise the Biodiversity Offset Strategy described in the EA and Response to Submissions (shown conceptually in Appendix 3), to the satisfaction of the Planning Secretary. The revised strategy must be prepared in consultation with the BCS, and include additional areas where Yellow Box White Box Blakely's Red Gum Woodland EEC would be actively re-established within the identified Biodiversity Offset Areas shown in Appendix 3.	NT	LR (pers comms) confirmed that no works have been undertaken in the MOD2 Extension Area during the audit period. Viewed AQ draft Landscape Management Plan (LMP) dated April 2020. Section 5 of the draft LMP provides details of the project Biodiversity Offset Strategy (BOS), and potential areas of Yellow Box White Box Blakely's Red Gum Woodland EEC to be re-established are identified in Figure 5.1. LR (pers comms) noted that AQ have been completing actions under the draft BOS while the draft LMP has been progressing through the regulatory review process. LR (pers comms) also stated that AQ have followed the guidance provided by BCT on the 19/03/21. This correspondence outlined species that BCT required to be planted in the AQ Biodiversity Offsets and rehabilitation areas to develop the target EEC communities. Only tree species were outlined in this correspondence and no planting of grass species was recommended. Appendix 3 of MP o6_o264 indicates that planting of grasses is required within Lot 39, however no grass planting is proposed in the current draft Landscape Management Plan. It is recommended that AQ review the inconsistency in the need establish EEC grass species in Lot 39 between the draft LMP (based on BCT advice) and SoC6 of the MOD2 EA (see Table C) and seek confirmation from DPE that this would not be required.

Cond	MP o6_o264 Condition	Status	Evidence
26	Prior to undertaking any works in the Extension Area (or other timeframe as agreed by the Planning Secretary), the Applicant must make suitable arrangements to provide appropriate long term security for the Biodiversity Offset Areas to the satisfaction of the BCT.	NT	LR (pers comms) confirmed that no works have been undertaken in the MOD2 Extension Area during the audit period. Section 2.12 of the 2021 AQ AEMR indicates that the BCT provided a draft Conservation Agreement for the long-term security of Biodiversity Offset Areas for AQ review and comment in late 2021. LR (pers comms) stated that AQ remain in consultation with BCT and DPE over an appropriate mechanism to secure AQ offsets.
26A	By the end of June 2021, the Applicant must ensure that the Biodiversity Offset Areas are fenced to an appropriate standard to exclude stock access. The Applicant must maintain the exclusionary fencing over the life of the development, to the satisfaction of the Planning Secretary.	C	Viewed Daracon Offset Fence Inspection report (Daracon reference: QU-REP-0501-001) performed in June 2021, which indicates that the Biodiversity Offset Areas are fenced off from livestock entering. Sections of fencing between AQ Biodiversity Offset Areas and surrounding lands viewed during the audit site inspection appeared sound, with minimal evidence of stock access. Viewed Section 4.1.1.1 of the AQ 2021 AEMR Appendix 6 (AQ Annual Biodiversity Monitoring report), which included a walkover assessment of the condition of perimeter fencing. The report indicates that the external fences of the Biodiversity Offset Areas are functioning adequately, and no breaches were observed. Section 4.1.1.2 of the 2021 Ardglen Quarry Annual Biodiversity Monitoring report notes that the obvious signs of trampling and overgrazing by stock that were present during the 2019 monitoring were not observed in 2020 or 21.

Cond	MP o6_o264 Condition	Status	Evidence
Landscape Management Plan			
27	The Applicant must prepare a detailed Landscape Management Plan for the development to the satisfaction of the Planning Secretary. This plan must: (a) be prepared by suitably qualified expert/s whose appointment/s have been approved by the Planning Secretary; (b) submitted to the Planning Secretary for approval within three months of the determination of MOD 2 (or other timeframe as agreed by the Planning Secretary); and (c) include a: • Doughboy Hollow Creek Rehabilitation Strategy; • Rehabilitation and Biodiversity Offset Management Plan; and • Quarry Closure Plan. Note: The Department accepts that the initial Landscape Management Plan may not include the detailed Quarry Closure Plan. However, if this occurs, the Applicant will be required to seek approval from the Planning Secretary for an alternative timetable for the completion and approval of the Quarry Closure Plan.	NC	The approved Landscape Management Plan (LMP) is dated 2010, prior to the MOD2 approval. It is recommended that the LMP is updated to reflect the changes to the development consent in the March 2021 determination of MOD2. Viewed draft version of the LMP dated April 2020 provided by LR which is publicly available on the AQ website, pending approval. (a) Viewed correspondence from DPE to AQ on the 17/06/21 which confirmed the approval of Umwelt as suitably qualified experts to prepare the LMP; (b) Viewed correspondence from DPE to AQ which outlines their approval for the staged submission of the LMP (see S2, C10). Viewed LMP lodgement correspondence from DPE which indicates the updated draft document was lodged on the 29/07/21. This is within the period for review of the plan following MOD2 noted in the DPE correspondence dated 06/10/21; (c) Point 1- Section 4 of the draft LMP includes a Doughboy Hollow Creek Rehabilitation Strategy; Point 2- Section 5 of the draft LMP includes a Rehabilitation and Biodiversity Offset Management Plan (RBOMP); and Point 3- Section 7 of the draft LMP includes a Conceptual Quarry Closure Plan. Viewed DPE Show Cause Notice dated 30/09/20 which outlined DPE's concerns regarding the implementation of stock exclusion and rehabilitation planting within AQ's Biodiversity Offset areas.

Cond	MP o6_o264 Condition	Status	Evidence
			Viewed the Show Cause Notice response from Daracon to DPE dated 15/10/20 which outlines the plantings that have occurred at AQ during 2019 and 2020 and the efforts that have been made by the company to excluded livestock from the Biodiversity Offset Areas. Viewed a Warning Letter from DPE to AQ dated 12/02/21 regarding AQ not performing plantings and not excluding stock from the Biodiversity Offset Areas in accordance with the SoC and LMP. The Warning letter notes AQ's actions undertaken to address the matters raised in the 2020 Show Cause Notice and confirms DPE's finding that a breach of the EP&A Act has occurred. Viewed AQ letter to DPE dated 02/04/19 responding to the findings of the previous IEA report. This includes a commitment for AQ to describe rehabilitation performance in AEMRs from 2018 and update the site LMP document. It is recommended that AQ continue to implement the progressive rehabilitation on site to meet the related commitments from the MOD2 EA, pending approval of the revised LMP.
Doughboy Hollow Creek Rehabilitation Strategy			
28	The Doughboy Hollow Creek Rehabilitation Strategy must: (a) be prepared in consultation with BCS, DPIE Crown Lands and DPIE Water; (b) describe the measures that would be implemented to: • remove the weir from Doughboy Hollow Creek; • rehabilitate sections of the creek within or directly adjacent to Lot 1 DP1001734 and Lot 39 DP 751028; and • rehabilitate and/or re-establish riparian vegetation within Lot 39 DP 751028.	NC	It is noted that AQ have prepared an updated draft LMP for the site, which was under regulatory review at the time of audit (refer to S3, C27 above). Section 4 of the draft LMP outlines a proposed Doughboy Hollow Creek Rehabilitation Strategy. (a) Records of consultation are not included in the approved LMP. It is recommended that records of consultation with regulatory agencies are included in the approved Doughboy Hollow Creek Rehabilitation Strategy document.

Cond	MP o6_o264 Condition	Status	Evidence
			(b) Sections 4.1, 4.2, & 4.3 of the LMP. This includes: Point 1- Section 4.1 outlines the proposed causeway and weir removal. Point 2 and 3- Section 4.2 outlines rehabilitation required for the creek. No creek rehabilitation had occurred at the time of the audit. It is recommended that AQ continue to consult with relevant regulatory agencies, to identify a process for rehabilitation of Doughboy Hollow Creek.
Rehabilitation and Biodiversity Offset Management Plan			
29	The Rehabilitation and Biodiversity Offset Management Plan must: (d) be prepared by suitably qualified expert/s whose appointment/s have been approved by the Planning Secretary; (e) describe in general the short, medium, and long term measures that would be implemented to: • rehabilitate the site; • implement the Biodiversity Offset Strategy and Doughboy Hollow Creek Rehabilitation Strategy; and • manage the remnant vegetation and habitat on the site; (f) include a detailed description of what measures would be implemented over the next 3 years to implement the Biodiversity Offset Strategy and Doughboy Hollow Creek Rehabilitation Strategy; (g) include a detailed description of what measures would be implemented over the next 5 years to rehabilitate the site, including the procedures to be implemented for: • progressively rehabilitating areas disturbed by quarrying as shown conceptually in Appendix 2; • implementing revegetation and regeneration as shown conceptually in Appendix 2, including establishment of canopy, sub-canopy (if relevant), understorey and ground strata; • managing the remnant vegetation and habitat on site; • managing impacts on fauna;	NC	See S3, C27 above. It is noted that AQ have prepared an updated draft LMP for the project, which was under regulatory review at the time of audit (refer to S3, C27 above). Section 5 of the draft LMP outlines a proposed RBOMP. (d) Viewed correspondence dated 17/06/21 which indicates that the experts nominated by AQ to prepare the Rehabilitation and Biodiversity Offset Management Plan (Umwelt) have been approved by DPE. (e) Viewed the draft RBOMP which indicated compliance with this condition in Sections 4.1, 4.0 & 5.0, 6.1 and 6.2 of the LMP which outline: Point 1- rehabilitation to occur; Point 2- implementation of the strategies; Point 3- management measures for remnant vegetation and habitats on site; (f) Viewed sections 5.5 and 6.3 which outline the monitoring measures for item f. Development of monitoring requirements for the Doughboy Hollow Creek Rehabilitation is to be done as part

Cond	MP o6_o264 Condition	Status	Evidence
	• reducing the visual impacts of the development, including the vegetation of the noise barrier shown in Appendix 2 and the establishment of screen planting as described in EA MOD 2 and the Statement of Commitments; • landscaping the site to minimise visual impacts; • protecting areas outside the disturbance areas; • conserving and reusing topsoil; • collecting and propagating seeds for rehabilitation works; • salvaging and reusing material from the site for habitat enhancement; • controlling weeds and feral pests; • controlling access; and • bushfire management; (h) detailed performance and completion criteria for the rehabilitation of the site and implementation of the Biodiversity Offset Strategy and Doughboy Hollow Creek Rehabilitation Strategy; (i) a detailed description of how the performance of the rehabilitation of the site and implementation of the Biodiversity Offset Strategy and Doughboy Hollow Creek Rehabilitation Strategy would be monitored over time to achieve the relevant objectives and completion criteria; (j) a description of the potential risks to successful revegetation and/or rehabilitation in the offset areas and development area, and a description of the contingency measures that would be implemented to mitigate these risks; and (k) details of who is responsible for monitoring, reviewing and implementing the plan.		of the tasks between 2019-24 (Table 4.1); (g) Point 1- Section 6.2.2 indicated compliance with this condition in of the draft LMP; Point 2- Section 6.2.2 contains limited information on establishment of canopy plans though revegetation is more broadly covered; Point 3- Section 6.1.4 provides information on protection from clearance only; Point 4- Sections 6.1.2, 6.1.5 and 6.1.6 outlines management of impacts on fauna; Point 5- Section 6.2.2 identifies visual impact reduction measures; Point 6- Section 6.2.2 identifies visual impact reduction measures; Point 7- Section 6.1.4 provides information on protection from clearance only; Point 8- Section 6.1.1 identifies topsoil conservation and reuse; Point 9- Section 6.1.3 outlines seed collection and propagation; Point 10- Section 6.1.2 provides measures for salvage and reuse of habitat features; Point 11- Viewed in Sections 5.1.2 and 5.1.3 of LMP, feral animal harvest reports for Jan-Jun 21 and Jul-Dec 21, AEMR Section 2.12 in 2018 and 2019 and Table 6 in 2020 and 2021 and herbicide/pesticide application reports dated 16/1/19 and 23/9/20 which indicate AQ is compliant Point 12- Section 5.1.1 identifies controls on site access; and Point 13- Section 5.1.4 outlines bush fire management measures.

Cond	MP o6_o264 Condition	Status	Evidence
			(h) Sections 5.4 and 6.2.3 which outline performance and completion criteria. (i) Sections 4.3, 5.5 and 6.3 which outlines monitoring of doughboy creek and biodiversity offset areas. (j) Sections 5.4 and 6.2.3 which outlines potential risks and mitigation measures to be implemented to reduce the severity of the risks. (k) Viewed Section 10 which outlines Roles and responsibilities.
Quarry Closure Plan			
30	The Quarry Closure Plan must: (l) define the objectives and criteria for quarry closure; (m) investigate options for the future use of the site, including any final void(s); (n) describe the measures that would be implemented to minimise or manage the ongoing environmental effects of the development ; and (o) describe how the performance of these measures would be monitored over time.	NC	See S3, C27 above. It is noted that AQ have prepared an updated draft LMP for the project, which was under regulatory review at the time of audit (refer to S3, C27 above). Section 7 of the draft LMP outlines a conceptual Quarry Closure Plan.(l) Defined objectives and criteria for quarry closure are included in Section 7.1.1; and (m) investigation options for the future use of the site are noted in Section 7.1.2. (n) and (o) Section 7.1.2 of the LMP notes that a detailed Quarry Closure Plan will be prepare at least three years prior to quarry closure. This commitment has not yet been triggered.
30A	The Applicant must implement the Landscape Management Plan as approved by the Planning Secretary.	NC	See S3, C27 above. LR noted that AQ have been in consultation with DPE and other agencies over revisions to the LMP from November 2018. A document addressing MP o6_o264 MOD2 conditions has not been approved at the time of audit. LR also noted that implementation of some LMP actions and related rehabilitation obligations has been impacted while the document remains in draft form.

Cond	MP o6_o264 Condition	Status	Evidence
Rehabilitation Bond			
31	Within 6 months of the approval of the Rehabilitation and Biodiversity Offset Management Plan, the Applicant must lodge a Rehabilitation Bond with the Department to ensure that the rehabilitation of the site is 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 an amount agreed by the Planning Secretary and determined by: (a) 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 (b) employing a suitably qualified, independent and experienced person to verify the calculated costs. The calculation of the Rehabilitation Bond must be submitted to the Department for approval at least 2 months prior to the lodgement of the bond.	NT	The Rehabilitation and Biodiversity Offset Management Plan required under MOD2 has not been approved, therefore the requirement for lodgement of a Rehabilitation Bond is not yet required.
32	The Rehabilitation Bond must be reviewed and, if required, an updated bond must be lodged with the Department within 3 months following: (a) any update or revision to the Rehabilitation and Biodiversity Offset Management Plan; (b) the completion of an Independent Environmental Audit in which recommendations relating to rehabilitation have been made; or (c) in response to a request by the Planning Secretary.	NT	See S3, C31 above.
32A	If rehabilitation is completed generally in accordance with the relevant performance and completion criteria, to the satisfaction of the Planning Secretary, the Planning Secretary will release the bond.	NT	AQ have not sought approval from DPE for completion of rehabilitation on site.
32B	If rehabilitation is not completed generally in accordance with the relevant performance and completion criteria, the Planning Secretary will call in all, or part of, the bond and arrange for the completion of the relevant works.	NT	AQ have not sought approval from DPE for completion of rehabilitation on site.
TRANSPORT			
Product Transport			
33	The Applicant must: (a) keep records of the: • amount of quarry materials imported onto the site each calendar year; • amount of quarrying products transported from the site each calendar year; • number of truck movements generated by the development on an hourly basis on any	C	(a) Point 1- LR (pers comms) stated no quarry materials were imported during the audit period; Point 2- Section 2.2 of AQ AEMRs for the audit period confirms the amount of quarry products

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	days in which truck loading and distribution occurs; • registration plate details and time of departure for all laden trucks dispatched from the quarry; • number of train movements generated by the development, on a weekly basis; • date and time of each train movement generated by the development; (b) provide annual production data to MEG using the standard form for that purpose; and (c) include these records in the Annual Review.		moved per month; Point 3 and 4- Section 2.11 of the AQ AEMRs prepared during the audit period which contain a summary of transport information. No registration details or times of departure of laden trucks were recorded during the audit period. LR (per comms) noted truck time details and registration plate information was not a requirement of the MP o6_o264 MOD1 development consent. Viewed Section 2.11 of the AQ 2021 AEMR which indicates no laden trucks operated during the reporting period in which the MOD2 MP o6_o264 was approved. It is recommended that the AQ product transportation register is reviewed prior to the commencement of operations to ensure that required truck movement details under MOD2 are recorded and reported in future AQ AEMRs. Point 5 and 6- Section 2.11 of AQ AEMRs for the audit period indicates no transport by rail occurred during the audit period. (b) Viewed examples of completed Form S1 documents completed for AQ, dated 29/11/18, 31/10/19, 29/10/20. Completed forms note that no extraction occurred. (c) Section 2 of the audit period AEMR documents provides the records outlined above under S3, C33(a).
Road Safety and Condition Audit			
33A	Prior to truck movements associated with the development exceeding 55 movements per day, the Applicant must undertake (and complete) all agreed actions outlined in the Road Safety and Condition Audit Report prepared by Crossroads Civil Design dated October 2018, to the satisfaction of the relevant roads authority (i.e. TfNSW or Council).	NT	Viewed AQ AEMR documents prepared during the reporting period, which indicate that the maximum number of movements per day were 27 in 2018. LR (pers comms) stated no truck movements occurred in

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	If there is a dispute about the implementation of these measures, then the Applicant may refer the matter to the Planning Secretary for resolution.		2021. The requirement to complete actions from the Road Safety and Condition Audit Report has not been triggered.
34	By 31 December 2025 or within five years of commencing quarrying operations in the Extension Area (whichever is the latter), the Applicant must undertake a Road Safety and Condition Audit for the development, to the satisfaction of the Planning Secretary. This audit must: (a) be prepared by a suitably independent and qualified expert/s whose appointment has been approved by the Planning Secretary; (b) be prepared in consultation with the TfNSW and Council; (c) assess the safety, performance and condition of the Ardglen Street (Main Street)- New England Highway intersection and the quarry access route; and (d) identify any road works that are required to comply with relevant AUSROAD standards or other relevant TfNSW or Council requirements.	NT	Not required during the audit period.
35	Within 12 months of completing the Road Safety and Condition Audit required under condition 34 of this Schedule, unless otherwise agreed by the Planning Secretary, the Applicant must undertake (and complete) any road works recommended in the Audit, to the satisfaction of the relevant roads authority (i.e. TfNSW or Council). If there is a dispute about the implementation of these measures, then the Applicant may refer the matter to the Planning Secretary for resolution.	NT	Not required during the audit period.
Road Signage			
36	Within 3 months of this approval, the Applicant must install warning signs ("Truck Turning") on the northern and southern approaches to the quarry access route on the New England Highway, to the satisfaction of the TfNSW.	C	LR (per comms) confirmed both trucks turning signs in place (see Plate 10 for signage on southern approach to site).
Road Maintenance			
37	The Applicant must maintain the quarry access route until the cessation of quarrying operations on the site, to the satisfaction of Council. If the Applicant and the Council fail to reach agreement on the road maintenance requirements, then either party may refer the matter to the Planning Secretary for resolution. Any determination by the Planning Secretary on this matter will be binding on the Applicant and the Council.	C	Viewed LPSC letter to DPE dated 29/10/18 regarding the MP o6_o264 MOD2 Application. This letter confirms Council's general acceptance of the proposal and requests that DPE retain a mechanism in the conditions of approval to ensure that AQ are required to maintain the quarry access route.

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Road Haulage			
38	The Applicant must ensure that truck movements associated with the development do not exceed: (a) a total of 110 movements per day; (b) a total of 5 movements between 6.30 am and 7.00 am; and (c) a total of 30 movements per hour between 7.00 am and 5.30 pm.	C	Viewed transport records for site presented in audit period AEMRs, which note site was compliant with truck movement limits. It is recommended that the AQ product transportation register is reviewed prior to the recommencement of operations to ensure that required truck movement details under MOD2 are recorded and reported in future AQ AEMRs.
39	The Applicant must not use trucks which are larger than truck and dog combination vehicles (a) or have a capacity of greater than 38 tonnes to transport product from the site, unless otherwise agreed in writing by TfNSW. a In this condition, 'truck and dog combination vehicle' means National Class 2 Performance Based Standards Level 1 & 2A Truck and Dog Trailer (or equivalent) as determined by the National Heavy Vehicle Regulator	NT	Viewed AQ AEMR 2021; Section 2.11 indicates no transport has occurred since the determination of MOD2 in 16/03/21.
40	The Applicant must: (a) implement a speed limit of not more than 40 kilometres per hour for quarry-related truck movements(a) along the quarry access route; (b) investigate options to impose a speed limit of 20 kilometres per hour for all heavy vehicle movements along the High Street bridge and install appropriate warning signage, in consultation with Council; (c) ensure that all laden trucks entering or leaving the site are covered, and are cleaned of materials that may fall onto public roads; (d) ensure that all laden trucks pass through a wheel wash prior to departing the site; and (e) take all reasonable steps to minimise traffic safety issues and disruption to local road users. a In this condition, 'quarry-related truck movements' means trucks used for the transport of quarrying products or the importation of blending material to the site	NC	Viewed AQ TTMP document approved by DPE on 29/08/19, which indicates: a) 40 kilometres per hour for quarry-related truck movements along the quarry access route and within the township of Ardglen; b) Evidence not available at the time of audit regarding liaison with Council over 20km/hour speed limit for heavy vehicles on High Street bridge. LR (pers comm) noted AQ have included commitments to address this requirement in revision of the TTMP (in draft at the time of audit; see S3, C43)); c) Drivers Code of Conduct (Appendix B to the TTMP) requires all laden trucks entering or leaving the site are covered, and are cleaned of materials that may fall onto public roads; d) Drivers Code of Conduct (Appendix B to the TTMP) requires all laden trucks pass through a wheel wash prior to departing the site. See

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			comments regarding the wheel wash against S3, C17; and e) Additional measures to reduce safety issues are included in the Drivers Code of Conduct (Appendix B to the TTMP) including no parking of trucks allowed in the Ardglan area with designated parking bays indicate, calling up on radio before entering site, specific site access route, positive contact with plant and machinery. Viewed the two truck speed complaint incident investigations and actions which were submitted to DPE on the 25/10/18 and 14/05/19, an investigation into a truck tailgate opening submitted to DPE as an incident on the 31/05/19 and the TTMP.
40A	Prior to commencing increased truck movements as described in EA MOD 2, or other timing as agreed by the Planning Secretary, the Applicant must undertake road widening along Ardglan Street (Main Street) to achieve a minimum pavement width of 7 m (excluding road shoulders), to the satisfaction of Council.	NT	LR (pers comms) confirmed no truck movements under the MOD2 EA activities had occurred at the time of audit.
Rail Loading			
41	The Applicant may only load a maximum of 2 trains outside the rail loading and distribution hours in Table 1 in any 12 month period, unless agreed to in writing by the Planning Secretary.	NT	Viewed AQ AEMR documents prepared during the audit period. Section 2.11 indicates no rail transport occurred during audit period. AQ rail siding and loading infrastructure is currently in decommissioned.
42	If the Applicant intends to undertake out of hours rail loading, it must use its best endeavours to notify all local residents at least 12 hours prior to the proposed rail loading, to the satisfaction of the Planning Secretary.	NT	See S3, C42 above.
Traffic and Transport Management Plan			
43	The Applicant must prepare a Traffic and Transport Management Plan, to the satisfaction of the Planning Secretary. The plan must: • include a driver code of conduct which outlines; • safety initiatives for haulage through the village and along school bus routes; • an induction procedure for truck drivers; and • complaints handling and disciplinary procedures;	NC	Viewed AQ TTMP dated 29/08/19 which includes: (a) Code of Conduct, Appendix B: Point 1- safety initiatives for haulage through the village and along school bus routes Point 2- complaints handling and disciplinary

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	(b) include: • measures that would be put in place to ensure compliance with the driver code of conduct; • measures that would be implemented to ensure compliance with condition 40 of this Schedule; • measures that would be taken to avoid night time train loading operations; and • procedures for notifying local residents about night time train loading activities when these occur; and (c) be submitted to the Planning Secretary for approval prior to truck movements associated with the development exceeding 55 movements per day, (or other timeframe as agreed by the Planning Secretary).		procedures Point 3- Viewed TTMP Appendix B (the truck driver's Code of Conduct), which includes compliance and operating requirements for truck drivers. It is recommended that the induction for truck drivers included in the truck driver's Code of Conduct appended to the TTMP is revised for consistency with MOD2 commitments and approval requirements; (b) The TTMP also includes: Point 1- Measures to ensure compliance with the driver code of conduct are included in the Code of Conduct (Appendix B of the TTMP). Point 2- Viewed Section 2.6 of AQ AEMRs prepared during the audit period, which indicate that a speed limit on unpaved surfaces is set to a maximum of 15 km/hr in Section 2.6 of each AEMR. Plate 11 indicates a speed limit of 15 km/hr on the unpaved surfaces. The same speed limit is not reflected in the in the TTMP documents which only indicate speed limits of 20km/hr. Consider updating the TTMP to reflect the commitments made in AQ approvals and AEMRs during the reporting period. Point 3- Viewed AQ AEMR prepared during the audit period. Section 2.11 No train loading occurred during the reporting period. Point 4- No procedures for notification of residents regarding night-time train loading are included in the TTMP. It is recommended that the TTMP include a procedure to notify residents if train loading activities are to recommence.

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			(c) Viewed AQ AEMRs prepared during the audit period. Section 2.11 confirms no train loading occurred during the audit period. Viewed letters from AQ to DPE dated 11/06/21 and 25/10/21 regarding the 'significant boundary issue' identified along the haul access route. AQ did not receive a response to these letters. Viewed correspondence from DPE to LR on 25/10/21 confirming lodgement of the updated TTMP on the Department portal. The lodgement date is outside of the period for review of management plans following the determination of MOD2 (i.e. 28/07/21 as noted in DPE letter to AQ dated 06/10/21).
43A	The Applicant must implement the Traffic and Transport Management Plan as approved by the Planning Secretary.	NC	See S3, C43 above.
VISUAL IMPACT			
44	The Applicant must: (a) take all reasonable steps to minimise the visual and off-site lighting impacts of the development; (b) ensure that all external lighting associated with the development complies with Australian Standard AS4282 (INT) 1995 – Control of Obtrusive Effects of Outdoor Lighting, to the satisfaction of the Planning Secretary.	NT	(a) and (b) Viewed AQ AEMR documents prepared during the reporting period, which indicate no night activities occurred. LR (pers comms) confirmed no substation currently installed at AQ, no power generators or lighting in use during care and maintenance. It is recommended that AQ implement offsite visual and lighting mitigation measures prior to the recommencement operations, and update site Management Plans accordingly, to the satisfaction of DPE.
ABORIGINAL CULTURAL HERITAGE			
45	The Applicant must not destroy any known Aboriginal object or Aboriginal place (as defined in the National Parks and Wildlife Act 1974) without the written approval of the Planning Secretary.	NT	LR (pers comms) confirmed that no Aboriginal heritage items had been disturbed during the audit period.

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45A	If any previously unknown Aboriginal object or Aboriginal place is discovered on the site: (a) all work in the immediate vicinity of the object or place must cease immediately; (b) a 10 metre buffer area around the object or place must be cordoned off; and (c) Heritage NSW must be contacted immediately.	NT	Viewed Unexpected Finds Procedure (Daracon reference: IM-PRO-0504-002) dated 15/04/19 which outlines the steps AQ personnel should follow if previously unknown Aboriginal objects or place are discovered on the site. LR (pers comms) confirmed that no newly identified Aboriginal heritage items or remains had been found on site during the audit period.
45B	Work in the immediate vicinity may only recommence if: (a) the potential Aboriginal object or Aboriginal place is confirmed by Heritage NSW upon consultation with the Registered Aboriginal Parties not to be an Aboriginal object or Aboriginal Place; or (b) an Aboriginal Cultural Heritage Management Plan is prepared in consultation with Registered Aboriginal Parties and Heritage NSW, and to the satisfaction of the Planning Secretary; or (c) the Planning Secretary is satisfied as to the measures to be implemented in respect of the Aboriginal object or Aboriginal place and makes a written direction in that regard.	NT	See S3, C45A.
45C	If suspected human remains are discovered on site, then all work surrounding the area must cease, and the area must be secured. The Applicant must immediately notify NSW Police and Heritage NSW, and work must not recommence in the area until authorised by NSW Police and NSW.	NT	See S3, C45A.
GREENHOUSE GAS			
46	The Applicant must: (a) monitor the greenhouse gas emissions generated by the development; (b) investigate ways to reduce greenhouse gas emissions generated by the development; and (c) report on greenhouse gas monitoring and abatement measures in the Annual Review, to the satisfaction of the Planning Secretary.	C	Viewed approved AQMP dated 16/12/21 and AQ AEMRs prepared during the audit period. These note: (a) Monitoring is based on electricity consumption and fuel use based on AQ AEMRs in the audit period. (b) Limited allocations made in the AQMP for Greenhouse Gas (GHG) reduction methods investigation. (c) Limited investigations to reduce GHG

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			emissions reported in the AQ AEMRs for the reporting period. No monitoring data provided for the emissions monitoring in the AEMR. It is noted that limited activities occurred on site during the audit period, however it is recommended that future AQ Annual Reviews: • Describe investigation into GHG reduction initiatives; and • Include a summary of monitoring results for greenhouse gas.
WASTE MINIMISATION			
47	The Applicant must: (a) manage on-site sewage treatment and disposal in accordance with the requirements of an applicable EPL, and to the satisfaction of EPA and Council; (b) minimise the waste generated by the development; (c) ensure that the waste generated by the development is appropriately stored, handled, and disposed of; and (a) report on waste minimisation and management in the Annual Review.	C	Viewed AQ AEMRs prepared during the audit period. These outline: (a) No on-site sewerage system onsite during the audit period; (b) Waste management and quality numbers used on site; (c) Appendices of audit period AEMRs provide an annual waste register for site, and records of waste contractor / locations used for disposal; Consider including procedures for waste minimisation, management, handling, storage and disposal be included in the IFMP (EMS); and (a) A summary of waste management measures for site was provided in audit period AEMR documents.
48	The Applicant must ensure that all waste generated or stored on site is assessed, classified and managed in accordance with the EPA's Waste Classification Guidelines Part 1: Classifying Waste.	NC	No reference to the management of waste in accordance with the EPA Waste Classification Guidelines is included in approved AQ management documents.

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			It is recommended that procedures for waste assessment, classification and management referring to EPA guidelines is included in the IFMP (EMS), or other suitable plan.
SCHEDULE 4 ADDITIONAL PROCEDURES			
NOTIFICATION OF LANDOWNERS			
1	If the results of monitoring required in Schedule 3 identify that impacts generated by the development are greater than the relevant impact assessment criteria, then the Applicant must notify the Planning Secretary and the affected landowners and/or existing or future tenants (including tenants of quarry owned properties) accordingly, and provide quarterly monitoring results to each of these parties until the results show that the development is complying with the relevant criteria.	NT	Viewed AQ AEMR prepared during the reporting period which indicated a number of elevated air quality monitoring and noise monitoring results. Upon investigation, exceedances of criteria were investigated to identify whether they were caused by AQ operations. LR (per comms) noted that CCC presentations include updates on elevated monitoring results. See S3, C2 and 15 above for further information on elevated monitoring results that were recorded during the audit period.
1A	As soon as practicable and no longer than 7 days after obtaining monitoring results showing an exceedance of any noise, blasting or air quality criterion in Schedule 3 of this consent, the Applicant must provide the details of the exceedance to any affected landowners and/or tenants. For any exceedance of any air quality criterion in Schedule 3 of this consent, the Applicant must also provide to any affected land owners and tenants a copy of the fact sheet entitled "Mine Dust and You" (NSW Health, 2017).	NT	See S4, C1 above. AQ activities during the audit period did not result in any exceedances of noise, blasting or air quality criteria.
INDEPENDENT REVIEW			
2	If a landowner (excluding quarry owned properties) considers that the operations of the development are exceeding the impact assessment criteria in Schedule 3 then he/she may ask the Planning Secretary in writing for an independent review of the impacts of the development on his/her land.	NT	LR (pers comms) stated that no Independent Reviews were requested during the reporting period.
3	If the Planning Secretary is not satisfied that an independent review is warranted, the Planning Secretary will notify the landowner in writing of that decision, and the reasons for that decision, within 2021 days of the request for a review.	NT	See S4, C2.

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4	If the Planning Secretary is satisfied that an independent review is warranted, within 3 months, or as otherwise agreed by the Planning Secretary and the landowner, of the Planning Secretary's decision, the Applicant must: (a) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Planning Secretary, to: (i) consult with the landowner to determine their concerns; (ii) conduct monitoring to determine whether the development is complying with the relevant criteria in Schedule 3 of this consent; and (iii) if the development is not complying with that criteria, identify measures that could be implemented to ensure compliance with the relevant criteria; and (b) give the Planning Secretary and landowner a copy of the independent review; and (c) comply with any written requests made by the Planning Secretary to implement any findings of the review.	NT	See S4, C2.
SCHEDULE 5 ENVIRONMENTAL MANAGEMENT, MONITORING, AUDITING AND REPORTING			
ENVIRONMENTAL MANAGEMENT STRATEGY			
1	Environmental Management Strategy The Applicant must prepare and implement an Environmental Management Strategy for the development to the satisfaction of the Planning Secretary. This strategy must: (a) provide the strategic framework for environmental management of the development; (b) identify the statutory requirements that apply to the development; (c) describe in general how the environmental performance of the development would be monitored and managed; (d) describe the procedures that would be implemented to: • keep the local community and relevant agencies informed about the operation and environmental performance of the development; • receive, handle, respond to, and record complaints; • resolve any disputes that may arise during the course of the development; • respond to any non-compliance; and • respond to emergencies; and (e) describe the role, responsibility, authority, and accountability of all the key personnel involved in environmental management of the development.	C	Viewed approved EMS dated September 2010; (a) Strategic framework for management of development; (b) Section 3 outlines the statutory requirements of the development for each of the management plans; (c) General overview of management and monitoring of the development; (d) Inclusion of the procedures for: Point 1- Section 2.4.1 outlines community and agency consultation; Point 2 and 3- Appendix D outlines the complaints procedures; Point 4- Section 3 outlines the responses to non compliances for each of the management plans; Point 5- Section 5 outlines the incident management procedures for environmental

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			emergencies; and (e) Section 2.5 Table 2.1 outlines the key personnel responsibilities. It is recommended that a revised EMS is prepared to the satisfaction of DPE to address the contemporary approvals requirements of the MOD2 approval and EA. LR (pers comms) noted that a revised EMS is being prepared in consultation with DPE at the time of audit. The Integrated Facilities Management Plan document (prepared to address the requirements for an EMS under this condition) was submitted to DPE on 29/07/21
1A	The Applicant must not carry out quarrying operations under this consent until the Environmental Management Strategy is approved by the Planning Secretary.	NT	See S5, C1 above.
ENVIRONMENTAL MONITORING PROGRAM			
2	Environmental Monitoring Program Any condition of this consent that requires the carrying out of monitoring or an environmental audit, whether directly or by way of a plan, strategy or program, is taken to be a condition requiring monitoring or an environmental audit under Division 9.4 of Part 9 of the EP&A Act. This includes conditions in respect of incident notification, reporting and response, non-compliance notification, compliance report and independent audit. For the purposes of this condition, as set out in the EP&A Act, “monitoring” is monitoring of the development to provide data on compliance with the consent or on the environmental impact of the development, and an “environmental audit” is a periodic or particular documented evaluation of the development to provide information on compliance with the consent or the environmental management or impact of the development.	C	Noted.
2A	Noise, blast and/or air quality monitoring under this consent may be undertaken at suitable representative monitoring locations instead of at privately-owned residences or other locations listed in Schedule 3, providing that these representative monitoring locations are set out in the respective management plan(s) and/or monitoring program(s).	C	Viewed approved AQ NMP, AQMP, and BMP containing monitoring programs with adequate represented monitoring locations for private residences.

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REPORTING			
Incident Notification			
3	The Applicant must immediately notify the Department and any other relevant agencies immediately after it becomes aware of an incident. The notification must be in writing to compliance@planning.nsw.gov.au and identify the development (including the development application number and name) and set out the location and nature of the incident.	C	Viewed AQ AEMR and monitoring reports prepared during the audit period. See S3, C2, 15. - Section 5.4 of the 2018 AEMR indicates three incidents occurred in 2018. - Section 5.4 of the 2019 AEMR indicates eight incidents occurred in 2019. - Section 5.4 of the 2020 AEMR indicates two incidents occurred in 2020. - Section 5.4 of the 2021 AEMR indicates no incidents occurred in 2021.
Non-Compliance Notification			
3A	Within seven days of becoming aware of a non-compliance, the Applicant must notify the Department of the non-compliance. The notification must be in writing to compliance@planning.nsw.gov.au and identify the development (including the development application number and name), set out the condition of this consent that the development is non-compliant with, why it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance. Note: A non-compliance which has been notified as an incident does not need to also be notified as a non-compliance.	C	See S3, C5 above.
Annual Reporting			
4	By the end of March in each year after the granting of the development consent, or other timeframe agreed by the Planning Secretary, a report must be submitted to the Department reviewing the environmental performance of the development, to the satisfaction of the Planning Secretary. This review must: (a) describe the development (including any rehabilitation) that was carried out in the previous calendar year, and the development that is proposed to be carried out over the current financial/calendar year; (b) include a comprehensive review of the monitoring results and complaints records of	C	Reviewed correspondence noting the general satisfaction of DPE with AQ AEMRs during the reporting period, dated: 26/06/19 for the 2018 AEMR; 14/05/20 for the 2019 AEMR; 30/06/21 for the 2020 AEMR; and 26/04/22 for the 2021 AEMR.

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	the development over the previous calendar year, including a comparison of these results against the: (i) relevant statutory requirements, limits or performance measures/criteria; (ii) requirements of any plan or program required under this consent; (iii) monitoring results of previous years; and (iv) relevant predictions in the documents listed condition 2(a)-(c) of Schedule 2. (c) identify any non-compliance or incident which occurred in the previous calendar year, and describe what actions were (or are being) taken to rectify the non-compliance and avoid reoccurrence; (d) evaluate and report on: (i) the effectiveness of the noise and air quality management systems; and (ii) compliance with the performance measures, criteria and operating conditions of this consent; (e) identify any trends in the monitoring data over the life of the development; (f) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and (g) describe what measures will be implemented over the next calendar year to improve the environmental performance of the development.		The 2018 AEMR was submitted during April 2019, following correspondence from DPE dated 18/04/19 providing a request to the extension date. Audit period AEMRs include a statement of compliance, activities, monitoring and management activities completed in each reporting year. It is noted that limited activities occurred on site during the audit period, however it is recommended that future AQ Annual Reviews: • Describe investigation into any GHG reduction initiatives; and • Include a summary of monitoring results for greenhouse gas.
INDEPENDENT ENVIRONMENTAL AUDIT			
5(a)	Independent Environmental Audit Prior to 31 December 2012, and every 5 years thereafter, unless the Planning Secretary directs otherwise, the Applicant must commission and pay the full cost of an Independent Environmental Audit of the development. This audit must: (a) be led by a suitably qualified, experienced and independent auditor whose appointment has been endorsed by the Planning Secretary; (b) be conducted by a suitably qualified, experienced and independent team of experts (including any expert in field/s specified by the Planning Secretary) whose appointment has been endorsed by the Planning Secretary; (c) be carried out in consultation with the relevant agencies and the CCC; (d) assess the environmental performance of the development and whether it is complying with the relevant requirements in this consent, water licences and mining leases for the development (including any assessment, strategy, plan or program required under these approvals);	C	This audit, which includes the period from 21/08/18 to 10/05/22. Consultation with the CCC and regulatory agencies during preparation of this audit is included as Appendix C.

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	(e) review the adequacy of any approved strategy, plan or program required under the abovementioned approvals and this consent; (f) recommend appropriate measures or actions to improve the environmental performance of the development and any assessment, strategy, plan or program required under the abovementioned approvals and this consent; and (g) be conducted and reported to the satisfaction of the Planning Secretary.		
6	Within three months of commencing an Independent Environmental Audit, or within another timeframe agreed by the Planning Secretary, the Applicant must submit a copy of the audit report to the Planning Secretary, and any other NSW agency that requests it, together with its response to any recommendations contained in the audit report, and a timetable for the implementation of the recommendations. The recommendations must be implemented to the satisfaction of the Planning Secretary.	C	Viewed DPE letter dated 28/06/19 noting acceptance of the previous IEA report submitted by AQ on 02/04/19. The status of 2018 IEA actions is provided in audit period AEMR documents.
COMMUNITY CONSULTATIVE COMMITTEE			
7	The Applicant must operate a Community Consultative Committee (CCC) for the project to the satisfaction of the Planning Secretary, in accordance with the Department's Community Consultative Committee Guidelines: State Significant Projects (2019).	C	Viewed AQ CCC meeting minutes provided on AQ website.
ACCESS TO INFORMATION			
8	Within 3 months of the approval of any plan/strategy/program required under this consent (or any subsequent revision of these plans/strategies/programs), or the completion of the audits or Annual Reviews required under this consent, the Applicant must: (a) provide a copy of the relevant document/s to the relevant agencies and CCC; and (b) put a copy of the relevant document/s on its website.	NC	(b) Viewed AQ website on 09/05/22. Management documents were available, with the exception of the LMP which was included on the AQ website in a draft version (April 2020). It is recommended that the approved LMP is provided on the website while the current revision is under review by regulatory agencies.
9	During the development, the Applicant must: (a) include a copy of this consent, as may be modified from time to time, on its website; (b) provide a full summary of monitoring results required under this consent on its website; and (c) update these results on a regular basis (at least every 6 months).	C	Viewed AQ website on the 09/05/22 which included: (a) A copy of the consent as modified on the 16/03/21. (b) Air quality monitoring, water discharge monitoring, and noise monitoring from 18/08/16 to 25/11/21. (c) The most recent Air Quality measurements dated to 2/2/22 for DDG and 28/1/22 for HVAS,

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			February 202222 for Water discharge monitoring and 25/11/21 for Noise monitoring. No blast monitoring results were published on the website as blasting had occurred during the audit period (see S3, C7).
APPENDIX 6 NOISE COMPLIANCE ASSESSMENT			
APPLICABLE METEOROLOGICAL CONDITIONS			
1	The noise criteria in Schedule 3 of this consent are to apply under all meteorological conditions except the following: (a) where 3°C/100 metres (m) lapse rates have been assessed, then: (i) wind speeds greater than 3 metres/second (m/s) measured at 10m above ground level; (ii) temperature inversion conditions between 1.5°C and 3°C/100m and wind speeds greater than 2m/s measured at 10m above ground level; or (iii) temperature inversion conditions greater than 3°C/100m. (b) where Pasquill Stability Classes have been assessed, then: (i) wind speeds greater than 3m/s at 10m above ground level; (ii) stability category F temperature inversion conditions and wind speeds greater than 2m/s at 10m above ground level; or (iii) stability category G temperature inversion conditions.	C	Viewed AQ AEMR prepared during the audit period. Spectrum Acoustics noise monitoring reports included an acknowledgement of this condition and consideration in noise monitoring.
DETERMINATION OF METEOROLOGICAL CONDITIONS			
2	Except for wind speed at microphone height, the data to be used for determining meteorological conditions shall be that recorded by the meteorological station required under condition 18 of Schedule 3 .	C	Viewed NMP Section 9.1 which indicates the meteorological station on-site is used for determining meteorological conditions.
COMPLIANCE MONITORING			
3	A noise compliance assessment must be undertaken within two months of commencement of quarrying operations in the Extension Area. The assessment must be conducted by a suitably qualified and experienced acoustical practitioner and must assess compliance with noise criteria presented above. A report must be provided to EPA within 1 month of the assessment.	NT	LR (pers comms) confirmed operations in the Extension Area have not commenced.

Cond	MP o6_o264 Condition	Status	Evidence
4	Unless otherwise agreed by the Planning Secretary, attended compliance monitoring must be carried out in accordance with the relevant requirements for reviewing performance set out in the NSW Industrial Noise Policy (EPA, 2000), in particular the requirements relating to: (a) monitoring locations for the collection of representative noise data; (b) meteorological conditions during which collection of noise data is not appropriate; (c) equipment used to collect noise data, and conformity with Australian Standards relevant to such equipment; and (d) modifications to noise data collected, including for the exclusion of extraneous noise and/or penalties for modifying factors apart from adjustments for duration, (e) modifying factors apart from adjustments for duration, with the exception of applying appropriate modifying factors for low frequency noise during compliance testing. This should be undertaken in accordance with Fact Sheet C of the NSW Noise Policy for Industry (EPA, 2017).	C	Viewed the approved NMP which outlines: (a) Figure 1 indicates representative locations for attended noise data collection; (b) Section 9.1 outlines these requirements; (c) Section 9.1 outlines these requirements; (d) Section 9.2 outlines these requirements; and (e) Section 9.2 outlines these requirements for NPI modifying factors for low frequency noise.

Table B Environment Protection Licence No 1115

Cond	EPL No. 1115 Condition	Status	Evidence									
ADMINISTRATIVE CONDITIONS												
What the licence authorises and regulates												
A1.1	This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation. Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition. <table><tr><th>Scheduled Activity</th><th>Fee Based Activity</th><th>Scale</th></tr><tr><td>Crushing, grinding or separating</td><td>Crushing, grinding or separating</td><td>> 100000 - 500000 T annual processing capacity</td></tr><tr><td>Extractive activities</td><td>Extractive activities</td><td>> 100000 - 500000 T annually extracted or processed</td></tr></table>	Scheduled Activity	Fee Based Activity	Scale	Crushing, grinding or separating	Crushing, grinding or separating	> 100000 - 500000 T annual processing capacity	Extractive activities	Extractive activities	> 100000 - 500000 T annually extracted or processed	C	Viewed AQ AEMR prepared during the audit period. Section 2 indicates that no scheduled activities outside of those approved under Condition A1.1 occurred on site during the audit period.
Scheduled Activity	Fee Based Activity	Scale										
Crushing, grinding or separating	Crushing, grinding or separating	> 100000 - 500000 T annual processing capacity										
Extractive activities	Extractive activities	> 100000 - 500000 T annually extracted or processed										
Premises or plant to which this licence applies												
A2.1	The licence applies to the following premises: <table><tr><th>Premises Details</th></tr><tr><td>ARDGLEN QUARRY</td></tr><tr><td>QUARRY ROAD</td></tr><tr><td>ARDGLEN</td></tr><tr><td>NSW 2338</td></tr><tr><td>LOT 39 DP 751028, LOT 49 DP 751028, LOT 187 DP 751028, LOT 218 DP 751028, LOT 1 DP 1001734, LOT 1 DP 1164494</td></tr></table>	Premises Details	ARDGLEN QUARRY	QUARRY ROAD	ARDGLEN	NSW 2338	LOT 39 DP 751028, LOT 49 DP 751028, LOT 187 DP 751028, LOT 218 DP 751028, LOT 1 DP 1001734, LOT 1 DP 1164494	C	Noted.			
Premises Details												
ARDGLEN QUARRY												
QUARRY ROAD												
ARDGLEN												
NSW 2338												
LOT 39 DP 751028, LOT 49 DP 751028, LOT 187 DP 751028, LOT 218 DP 751028, LOT 1 DP 1001734, LOT 1 DP 1164494												
Other Activities												
A3.1	This licence applies to all other activities carried on at the premises, including: <table><tr><th>Ancillary Activity</th></tr><tr><td>Onsite sewage treatment system</td></tr></table>	Ancillary Activity	Onsite sewage treatment system	C	Viewed AQ AEMR prepared during the audit period. No sewerage treatment system was in operation at AQ during the audit period.							
Ancillary Activity												
Onsite sewage treatment system												

Cond	EPL No. 1115 Condition	Status	Evidence												
Information supplied to the EPA															
A4.1	Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence. In this condition the reference to "the licence application" includes a reference to: a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.	-	Note only.												
DISCHARGES TO AIR AND WATER AND APPLICATIONS TO LAND															
Location of monitoring/discharge points and areas															
P1.1	The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.	C	Noted												
P1.2	The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point. <table border="1"> <thead> <tr> <th colspan="4"><i>Water and land</i></th></tr> <tr> <th>EPA Identification no.</th><th>Type of Monitoring Point</th><th>Type of Discharge Point</th><th>Location Description</th></tr> </thead> <tbody> <tr> <td>5</td><td>Wet weather discharge Discharge water quality monitoring</td><td>Wet weather discharge Discharge water quality monitoring</td><td>Outlet of sediment basin to Doughboy Hollow Creek. Exact coordinates and map to be provided upon completion of sediment basin expansion works.</td></tr> </tbody> </table>	<i>Water and land</i>				EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description	5	Wet weather discharge Discharge water quality monitoring	Wet weather discharge Discharge water quality monitoring	Outlet of sediment basin to Doughboy Hollow Creek. Exact coordinates and map to be provided upon completion of sediment basin expansion works.	C	Viewed AQ AEMR prepared during the audit period. Section 4.1.2 indicates no discharges have occurred during the audit period (Undated document titled "ARDGLEN QUARRY – Water discharge results", also available on the AQ website).
<i>Water and land</i>															
EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description												
5	Wet weather discharge Discharge water quality monitoring	Wet weather discharge Discharge water quality monitoring	Outlet of sediment basin to Doughboy Hollow Creek. Exact coordinates and map to be provided upon completion of sediment basin expansion works.												
P1.3	The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.	C	Viewed AQ 2021 AEMR Section 4.3.3 Figure 9, 2020 AEMR Section 4.3.3, Figure 7, and 2019 and 2018 AEMR Section 4.3.3, Figure 6 which indicates compliance with dust monitoring locations 2, 3 and 4 required by this condition (see Plate 3).												

Cond	EPL No. 1115 Condition	Status	Evidence																				
	<table><tr><th colspan="4">Air</th></tr><tr><th>EPA identi- fication no.</th><th>Type of Monitoring Point</th><th>Type of Discharge Point</th><th>Location Description</th></tr><tr><td>2</td><td>Dust Monitoring</td><td></td><td>Dust deposition gauge located at the point identified as receptor 2 on the map titled" Figure 6.1 - Location of Receptors" in the report titled "Ardglen Quarry Extension - Environmental Assessment" dated 14 December 2006.</td></tr><tr><td>3</td><td>Dust Monitoring</td><td></td><td>Dust deposition gauge located at the point identified as receptor 5 on the map titled" Figure 6.1 - Location of Receptors" in the report titled "Ardglen Quarry Extension - Environmental Assessment" dated 14 December 2006.</td></tr><tr><td>4</td><td>Dust Monitoring</td><td></td><td>Dust deposition gauge located at the point identified as receptor 7 on the map titled" Figure 6.1 - Location of Receptors" in the report titled "Ardglen Quarry Extension - Environmental Assessment" dated 14 December 2006.</td></tr></table>	Air				EPA identi- fication no.	Type of Monitoring Point	Type of Discharge Point	Location Description	2	Dust Monitoring		Dust deposition gauge located at the point identified as receptor 2 on the map titled" Figure 6.1 - Location of Receptors" in the report titled "Ardglen Quarry Extension - Environmental Assessment" dated 14 December 2006.	3	Dust Monitoring		Dust deposition gauge located at the point identified as receptor 5 on the map titled" Figure 6.1 - Location of Receptors" in the report titled "Ardglen Quarry Extension - Environmental Assessment" dated 14 December 2006.	4	Dust Monitoring		Dust deposition gauge located at the point identified as receptor 7 on the map titled" Figure 6.1 - Location of Receptors" in the report titled "Ardglen Quarry Extension - Environmental Assessment" dated 14 December 2006.		
Air																							
EPA identi- fication no.	Type of Monitoring Point	Type of Discharge Point	Location Description																				
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3	Dust Monitoring		Dust deposition gauge located at the point identified as receptor 5 on the map titled" Figure 6.1 - Location of Receptors" in the report titled "Ardglen Quarry Extension - Environmental Assessment" dated 14 December 2006.																				
4	Dust Monitoring		Dust deposition gauge located at the point identified as receptor 7 on the map titled" Figure 6.1 - Location of Receptors" in the report titled "Ardglen Quarry Extension - Environmental Assessment" dated 14 December 2006.																				
P1.4	The following point in the table are identified in this licence for the purpose of the monitoring of weather parameters at the point. <table><tr><th>EPA Identification Point</th><th>Type of Monitoring Point</th><th>Description of Location</th></tr><tr><td>W1</td><td>Weather analysis</td><td>Location marked "Weather Station" on map provided to EPA on 2 May 2011 (DOC11/33859).</td></tr></table>	EPA Identification Point	Type of Monitoring Point	Description of Location	W1	Weather analysis	Location marked "Weather Station" on map provided to EPA on 2 May 2011 (DOC11/33859).	C	Viewed AQ meteorological monitoring station, which is sited consistently with the location on the map provided to EPA on the 2 May 2011 (see Plate 4).														
EPA Identification Point	Type of Monitoring Point	Description of Location																					
W1	Weather analysis	Location marked "Weather Station" on map provided to EPA on 2 May 2011 (DOC11/33859).																					
LIMIT CONDITIONS																							
Pollution of Waters																							
L1.1	Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the <i>Protection of the Environment Operations Act 1997</i> .	C	Viewed water discharge monitoring document titled <i>ARDGLEN QUARRY – Water discharge results</i> , also available on the AQ website. Records indicate no discharges have occurred during the reporting period. LR (pers comm) confirmed that no water incidents had occurred during the audit period.																				
Concentration limits																							
L2.1	For each monitoring/discharge point or utilisation area specified in the table(s below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.	NT	See Condition L1.1 above.																				

Cond	EPL No. 1115 Condition	Status	Evidence												
L2.2	Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.	C	See Condition L1.1 above.												
L2.3	To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table\	-													
L2.4	Water and/or Land Concentration Limits POINT 5 <table><thead><tr><th>Pollutant</th><th>Units of Measure</th><th>50 percentile concentration limit</th><th>90 percentile concentration limit</th><th>3DGM concentration limit</th><th>100 percentile concentration limit</th></tr></thead><tbody><tr><td>Oil and Grease</td><td>milligrams per litre</td><td>-</td><td>-</td><td>-</td><td>10 and none visible</td></tr></tbody></table> 4 Dust Monitoring Dust deposition gauge located at the point identified as receptor 7 on the map titled" Figure 6.1 - Location of Receptors" in the report titled "Ardglen Quarry Extension - Environmental Assessment" dated 14 December 2006.	Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit	Oil and Grease	milligrams per litre	-	-	-	10 and none visible	C	See Condition L1.1 above.
Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit										
Oil and Grease	milligrams per litre	-	-	-	10 and none visible										
Note:	The Licensee may apply to the EPA to use NTU as a limit condition other than TSS once the discharge point is operational and the Licensee has had the opportunity to obtain an approved method for assessing NTU.		Note only.												
Waste															
L3.1	The licensee must not cause, permit or allow any waste generated outside the premises to be received at the premises for storage, treatment, processing, reprocessing or disposal or any waste generated at the premises to be disposed of at the premises, except as expressly permitted by the licence.	C	Viewed AQ AEMRs prepared during the audit period. Section 2.5 of the documents indicates no waste was received on site during the audit period.												
L3.2	This condition only applies to the storage, treatment, processing, reprocessing or disposal of waste at the premises if it requires an environment protection licence.	C	Noted.												
Noise Limits															
L4.1	Noise from the premises must not exceed the noise limits in the table below. The locations referred to in the table are indicated by the 'Proposed Amendments to Noise Control Treatments', prepared by RCA Acoustics, dated August 2019.	C	Reviewed quarterly noise monitoring reports prepared by Spectrum Acoustics during the audit period. These reports note that elevated noise levels were recorded during monitoring on: On the 16/08/18 at Locations 13, 14 and 16; On the 16/11/18 at Location 14;												

Cond	EPL No. 1115 Condition	Status	Evidence																																																																						
	<table><tr><th>Location</th><th>Day LAeq (15 minutes), dB(A)</th><th>Evening LAeq (15 minutes), dB(A)</th><th>Night LAeq (15 minutes), dB(A)</th><th>Night LAmax, dB(A)</th></tr><tr><td>Burraston</td><td>35</td><td>35</td><td>35</td><td>45</td></tr><tr><td>Rose</td><td>35</td><td>35</td><td>35</td><td>45</td></tr><tr><td>CM Thompson</td><td>44</td><td>35</td><td>35</td><td>45</td></tr><tr><td>M Taylor</td><td>45</td><td>35</td><td>35</td><td>45</td></tr><tr><td>S Thompson</td><td>45</td><td>35</td><td>35</td><td>45</td></tr><tr><td>Bates</td><td>37</td><td>35</td><td>35</td><td>45</td></tr><tr><td>Avery</td><td>38</td><td>35</td><td>35</td><td>45</td></tr><tr><td>Hall</td><td>36</td><td>35</td><td>35</td><td>45</td></tr><tr><td>McGhie</td><td>35</td><td>35</td><td>35</td><td>45</td></tr><tr><td>Purtell</td><td>36</td><td>35</td><td>35</td><td>45</td></tr><tr><td>J Taylor</td><td>43</td><td>35</td><td>35</td><td>45</td></tr><tr><td>Bojba</td><td>40</td><td>35</td><td>35</td><td>45</td></tr><tr><td>Other privately-owned land</td><td>35</td><td>35</td><td>35</td><td>45</td></tr></table>	Location	Day LAeq (15 minutes), dB(A)	Evening LAeq (15 minutes), dB(A)	Night LAeq (15 minutes), dB(A)	Night LAmax, dB(A)	Burraston	35	35	35	45	Rose	35	35	35	45	CM Thompson	44	35	35	45	M Taylor	45	35	35	45	S Thompson	45	35	35	45	Bates	37	35	35	45	Avery	38	35	35	45	Hall	36	35	35	45	McGhie	35	35	35	45	Purtell	36	35	35	45	J Taylor	43	35	35	45	Bojba	40	35	35	45	Other privately-owned land	35	35	35	45		- On the 12/02/19 at Locations 4, 14 and 16; - On the 15/05/19 at Locations 4, 13 and 14; - On the 30/08/19 Locations 13, 14 and 16; - On the 22/11/19 at Locations 14 and 16; - On the 28/02/20 at Location 16; - On the 28/05/20 at Locations 14 and 16; - On the 04/08/20 at Locations 13, 14 and 16; - On the 25/11/20 at Locations 13, 14 and 16; - On the 24/02/21 at Locations 13 and 16; - On the 19/05/21 at Locations 14 and 16; - On the 20/08/21 at Location 14; - On the 17/11/21 at Locations 14 and 16. Spectrum Acoustics reports for the above monitoring events note that AQ activities were not a significant noise source contributing to elevated noise and that AQ were compliant with relevant noise criteria. Audit period AEMR documents state that non-compliances against noise impact criteria did not occur during the audit period. Viewed Letters of Understanding between AQ and Receivers 4 and 10 dated 17/01/20 and 15/11/21, respectively. The letters include a section where the two landholders accept that exceedances of noise criterion may occur at their properties.
Location	Day LAeq (15 minutes), dB(A)	Evening LAeq (15 minutes), dB(A)	Night LAeq (15 minutes), dB(A)	Night LAmax, dB(A)																																																																					
Burraston	35	35	35	45																																																																					
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Other privately-owned land	35	35	35	45																																																																					
L4.2	The noise limits set by this licence do not apply where a current legally binding agreement exists between the licensee and the occupant of a residential property that: a) agrees to an alternative noise limit for that property; or b)provides an alternative means of compensation to address noise impacts from the premises.	C	Viewed two agreements with Receivers 4 and 9 (as identified in Appendix 5 of MP o6_o264), which outlined that the landholders accept that exceedances of noise criterion may occur at their property as a result of AQ activities. It is recommended that AQ provide EPA with a copy of both agreements to formalise landholder arrangements in accordance with EPL 1115																																																																						

Cond	EPL No. 1115 Condition	Status	Evidence
	A copy of any agreement must be provided to the EPA before the licensee can take advantage of the agreement.		conditions.
L4.3	For the purposes of Condition L4.1: • Day is the period from 7am to 6pm Monday to Saturday, and 8am to 6pm Sunday and public holidays; • Evening is the period from 6pm to 10pm; • Night is the period from 10pm to 7am Monday to Saturday, and 10pm to 8am Sunday and public holidays.	-	Note only.
L4.4	The noise limits set out in L4.1 apply under all meteorological conditions except for: a) Wind speeds greater than 3 metres per second at 10 metres above ground level b) Stability category F temperature inversion conditions and wind speeds greater than 2 metres per second at 10 metres above ground level, or c) Stability category G temperature inversion conditions.	C	Viewed quarterly noise monitoring reporting completed for AQ by Spectrum Acoustics during 2018-21. This condition is noted and accounted for in the Spectrum Acoustics reporting.
L4.5	Noise from the premises must not exceed the limits in L4.1 positively adjusted by 5dB, during these meteorological conditions: a) Wind speeds greater than 3 metres per second at 10 metres above ground level b) Stability category F temperature inversion conditions and wind speeds greater than 2 metres per second at 10 metres above ground level, or c) Stability category G temperature inversion conditions.	C	Viewed quarterly noise monitoring reporting completed for AQ by Spectrum Acoustics during 2018-21. This condition is noted and accounted for in the Spectrum Acoustics reporting.
L4.6(a)	To determine compliance: a) With the LAeq (15 minute) noise limits in condition L4.1 and L4.4, the noise measurement equipment must be located: i. Approximately on the boundary, where any dwelling is situated 30 metres or less from the boundary closest to the licensed premises; or, ii. Within 30 metres of a dwelling façade, but not closer than 3 metres, where any dwelling on the property is situated more than 30 metres from the property boundary closes to the licensed premises; or, where applicable,	C	Viewed quarterly noise monitoring reporting completed for AQ by Spectrum Acoustics during 2018-21. This condition is noted and accounted for in the Spectrum Acoustics reporting.

Cond	EPL No. 1115 Condition	Status	Evidence
	iii. Within 50 metres of the boundary of a National Park or Nature Reserve.		
L4.6(b)	b) With the noise limits in condition L4.1 and L4.5, the noise measurement equipment must be located: i. at the reasonably most affected point at a location where there is no dwelling at the location; or, ii. at the reasonably most affected point within an area at a location prescribed by condition L4.6(a).	C	Viewed quarterly noise monitoring reporting completed for AQ by Spectrum Acoustics during 2018-21. This condition is noted and accounted for in the Spectrum Acoustics reporting.
L4.7	A non-compliance of condition L4.1 and L4.5 will still occur where noise generated from the licensed premises in excess of the appropriate limit is measured: a) at a location other than an area prescribed by condition L4.6(a); and/or, b) at a point other than the most affected point at a location.	NT	Noted.
L4.8	The applicant must implement all feasible and reasonable noise abatement measures at the premises during operations, to minimise noise impacts on nearby sensitive receivers. This must include, but not limited to: a) implementing recommended noise mitigation measures as outlined in Table 8-2 in "Proposed Amendments to Noise Control Treatments, RCA Acoustics" dated August 2019.	C	Viewed Table 8-2 of the <i>Proposed Amendments to Noise Control Treatments</i> (RCA Acoustics). This included the requirement for: - A 6 metre bund around crushing pad, which is not triggered as the MOD2 crushing pad is not yet in place (see Plate 12); and - Quarterly noise monitoring, which is identified as compliant from noise monitoring reports from Spectrum Acoustics for 2018-21 (see S3, C2 of MP 06_0264 in Table A).
L4.9	For the purposes of determining the noise generated from the licensed premises the modification factors in Fact Sheet C of the Noise Policy for Industry must be applied, as appropriate, to the noise levels measured by the noise monitoring equipment.	C	Viewed Appendix K, Table L1 Environmental Monitoring Program of the AQ EMS, which outlines procedures for noise compliance monitoring performed for AQ. Table L1 identifies that "All noise investigations will be carried out in accordance with NSW DECCW's Industrial Noise Policy, 2000 (INP) and applicable Australian Standards." Viewed Appendix K, Table L1 Environmental Monitoring Program of AQ EMS which also stated, "Extraneous noise sources will be filtered from the measured signal using recognised and appropriate methodologies (e.g. with Bruel & Kjaer Evaluator

Cond	EPL No. 1115 Condition	Status	Evidence
			<i>Software) and the Leq (15 minute) level attributable to the quarry activities will be identified and compared with the relevant criteria."</i>
Note:	Should any noise complaints be received by the EPA regarding the extension, the EPA may require noise monitoring to be undertaken and/or noise mitigation measures to be implemented.	-	Note only.
Blast Limits			
L5.1	The overpressure level from blasting operations at the premises must not exceed 120dB (Lin Peak) at any time. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.	NT	Viewed AQ AEMRs prepared during the audit period. Section 4.2.6 indicates that no blasts occurred so therefore no blast monitoring occurred. LR (pers comms) confirmed that no blasting occurred during 2022 to the date of audit.
L5.2	The overpressure level from blasting operations at the premises must not exceed 115dB (Lin Peak) for more than five per cent of the total number of blasts over each reporting period. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.	NT	See Condition L5.1 above.
L5.3	Ground vibration peak particle velocity from the blasting operations at the premises must not exceed 10mm/sec at any time. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.	NT	See Condition L5.1 above.
L5.4	Ground vibration peak particle velocity from the blasting operations at the premises must not exceed 5mm/sec for more than five per cent of the total number of blasts over each reporting period. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded	NT	See Condition L5.1 above.
L5.5 (a)	To determine compliance with condition(s) L5.1, L5.2, L5.3 and L5.4: a) Airblast overpressure and ground vibration levels must be measured and electronically recorded at the locations identified as receptors 2 and 7 on the map entitled "Figure 6.1- Location of Receptors" in the report entitled "Ardglen Quarry Extension- Environmental Impact Assessment: dated 14 December 2006- for all	NT	See Condition L5.1 above.

Cond	EPL No. 1115 Condition	Status	Evidence																													
	blasts carried out in or on the premises; and																															
L5.5 (b)	To determine compliance with condition(s) L5.1, L5.2, L5.3 and L5.4: b) Instrumentation used to measure the airblast overpressure and ground vibration levels must meet the requirements of Australian Standard AS 2187.2-2006.	NT	See Condition L5.1 above.																													
L5.6	Blasting operations at the premises may only take place between 10:00am to 3:00pm, Monday to Friday. No blasting is to occur on Sunday or public holidays. (Where compelling safety reasons exist, the Authority may permit a blast to occur outside the abovementioned hours. Prior written notification of any such blast must be made to the Authority).	NT	See Condition L5.1 above.																													
Hours of Operation																																
L6.1	The licensee must comply with the following hours of operation for the listed activities below: <table><thead><tr><th>Activity</th><th>Day</th><th>Time</th></tr></thead><tbody><tr><td rowspan="2">Topsoil/overburden removal/emplacement</td><td>Monday-Saturday</td><td>7:00am to 5:00pm</td></tr><tr><td>Sunday</td><td>None</td></tr><tr><td rowspan="2">In-pit activities (including drilling, extraction, and transfer of material out of pit)</td><td>Monday-Saturday</td><td>7:00am to 5:30pm</td></tr><tr><td>Sundays and Public Holidays</td><td>None</td></tr><tr><td rowspan="2">Out-of-pit activities (including processing and stockpiling)</td><td>Monday-Saturday</td><td>7:00am to 5:30pm</td></tr><tr><td>Sundays and Public Holidays</td><td>None</td></tr><tr><td>Maintenance (if inaudible at nearby residences)</td><td>Monday-Sunday</td><td>Any time</td></tr><tr><td rowspan="2">Truck loading and distribution</td><td>Monday-Saturday</td><td>6:30am to 5:30pm</td></tr><tr><td>Sundays and Public Holidays</td><td>None</td></tr><tr><td>Rail loading</td><td>Monday-Sunday</td><td>7:00am to 10:00pm</td></tr></tbody></table>	Activity	Day	Time	Topsoil/overburden removal/emplacement	Monday-Saturday	7:00am to 5:00pm	Sunday	None	In-pit activities (including drilling, extraction, and transfer of material out of pit)	Monday-Saturday	7:00am to 5:30pm	Sundays and Public Holidays	None	Out-of-pit activities (including processing and stockpiling)	Monday-Saturday	7:00am to 5:30pm	Sundays and Public Holidays	None	Maintenance (if inaudible at nearby residences)	Monday-Sunday	Any time	Truck loading and distribution	Monday-Saturday	6:30am to 5:30pm	Sundays and Public Holidays	None	Rail loading	Monday-Sunday	7:00am to 10:00pm	C	Viewed AQ 2019 AEMR (Section 5.4) which outlines a complaint received from a community receptor that a truck movement had occurred before 6:30 am. Viewed correspondence between DPE and AQ dated 31/10/19 which outlined the AQ investigation of the complaint and the finding that indicated a non-compliance with truck operating hours had not occurred.
Activity	Day	Time																														
Topsoil/overburden removal/emplacement	Monday-Saturday	7:00am to 5:00pm																														
	Sunday	None																														
In-pit activities (including drilling, extraction, and transfer of material out of pit)	Monday-Saturday	7:00am to 5:30pm																														
	Sundays and Public Holidays	None																														
Out-of-pit activities (including processing and stockpiling)	Monday-Saturday	7:00am to 5:30pm																														
	Sundays and Public Holidays	None																														
Maintenance (if inaudible at nearby residences)	Monday-Sunday	Any time																														
Truck loading and distribution	Monday-Saturday	6:30am to 5:30pm																														
	Sundays and Public Holidays	None																														
Rail loading	Monday-Sunday	7:00am to 10:00pm																														
L6.2	The licensee may load no more than 2 trains outside of the rail loading hours above, as consistent with the Modification 2 Development Consent.	C	Viewed AQ AEMRs prepared during the audit period. Section 2.11 of the documents indicates that no material was transported to or from the site by rail had occurred. LR (pers comms) confirmed that no train loading had occurred during 2022 to the date of audit.																													

Cond	EPL No. 1115 Condition	Status	Evidence
Other Limit Conditions			
L7.1	The licensee must not extract or process more than 500,000 tonnes of material per year at the premises.	C	Viewed AQ AEMRs prepared during the reporting period. Sections 2.2 and 2.3 of the documents indicates the site did not extract or process any material during this period. LR (pers comms) confirmed that no extraction had occurred during 2022 to the date of audit.
L7.2	The licensee must not transport more than: (a) 250,000 tonnes of quarrying products from the site by rail a year; (b) 500,000 tonnes of quarrying products from the site by road a year; (c) a combined total of 500,000 tonnes of quarrying products by rail and/or road a year.	C	Viewed AQ AEMRs prepared during the reporting period. (a) Section 2.11 confirms no rail transport occurred. (b) Section 2.2 indicates a maximum of 70,687 t exported during the reporting period in a single year by road. (c) Complaint see (a) and (b). LR (pers comms) confirmed that no product transport had occurred during 2022 to the date of audit.
OPERATING CONDITIONS			
Activities must be carried out in a competent manner			
O1.1	Licensed activities must be carried out in a competent manner. This includes: a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.	C	Viewed AQ AEMR prepared during the audit period. Main activity performed during audit period was transport of products. (a) Viewed Driver CoC and CoC adherence acceptance signatures from operators reporting to site, indicating awareness of operating and competency requirements for AQ processing and transport. (b) A summary of waste management volumes, handling and treatment is appended to audit period AEMRs.

Cond	EPL No. 1115 Condition	Status	Evidence
Maintenance of plant and equipment			
O2.1	All plant and equipment installed at the premises or used in connection with the licensed activity: a) must be maintained in a proper and efficient condition; and b) must be operated in a proper and efficient manner.	C	Viewed AQ AEMR prepared during the audit period. Section 2.6 indicates that site equipment will be fault checked and service on a regular basis. See evidence of plant and equipment monitoring and maintenance activities included under S2, C13 of Table A .
Dust			
O3.1	The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.	C	Viewed AQ AQMP. Section 8, Table 7 of AQMP outlines the mitigation methods used to minimise dust emissions from the site.
O3.2	Trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading.	C	Viewed AQ TTMP Appendix B, which outlines the requirement for all laden trucks to covered loads whilst entering and leaving site.
Monitoring records			
M1.1	The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.	C	Viewed AQ AEMRs prepared during the audit period. Section 4 of the AEMRs indicates monitoring has regularly occurred for air quality and noise impacts. Viewed data for depositional dust gauges, HVAS and attended noise monitoring undertaken during the audit period. Data indicates that these records have been maintained for the audit period. Blast and water quality monitoring has not occurred as no blasting or water discharge have occurred and no discharges respectively.
M1.2	All records required to be kept by this licence must be: a) in a legible form, or in a form that can readily be reduced to a legible form; b) kept for at least 4 years after the monitoring or event to which they relate took place; and c) produced in a legible form to any authorised officer of the EPA who asks to see them.	C	Viewed AQ monitoring data for air quality, which: (a) – (b) are legible records that have been retained for the audit period; and (b) Are publicly available on the AQ website. LR (pers comm) confirmed that no requests for monitoring records have been made by the EPA

Cond	EPL No. 1115 Condition	Status	Evidence																
			during the audit period.																
M1.3	The following records must be kept in respect of any samples required to be collected for the purposes of this licence: a) the date(s) on which the sample was taken; b) the time(s) at which the sample was collected; c) the point at which the sample was taken; and d) the name of the person who collected the sample.	C	Viewed example noise reports from Spectrum Acoustics for the 23/11/18, 11/6/20 and 22/3/21 and Air Quality Monitoring Results from RCA Laboratories for the 15/12/19, 02/03/20 and 15/12/21. These monitoring documents include: a) The date the sample was taken; b) The time it was collected; c) The location of sampling; and d) The name of the individual who performed the sampling.																
Requirement to monitor concentration of pollutants discharged																			
M2.1	For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:	C	Viewed depositional dust gauge data for air monitoring points 2, 3, and 4. Indicates no measurements were missed during the reporting period.																
M2.2	Water and/ or Land Monitoring Requirements POINT 5 <table border="1"> <thead> <tr> <th>Pollutant</th><th>Units of measure</th><th>Frequency</th><th>Sampling Method</th></tr> </thead> <tbody> <tr> <td>Oil and Grease</td><td>milligrams per litre</td><td>Weekly during any discharge</td><td>Representative sample</td></tr> <tr> <td>pH</td><td>pH</td><td>Continuous during discharge</td><td>Representative sample</td></tr> <tr> <td>Total suspended solids</td><td>milligrams per litre</td><td>Continuous during discharge</td><td>Representative sample</td></tr> </tbody> </table>	Pollutant	Units of measure	Frequency	Sampling Method	Oil and Grease	milligrams per litre	Weekly during any discharge	Representative sample	pH	pH	Continuous during discharge	Representative sample	Total suspended solids	milligrams per litre	Continuous during discharge	Representative sample	NT	Viewed AQ AEMR prepared during the audit period. Section 4.1.2 of the documents indicates that no water discharge events occurred from 2018 - 2021. LR (pers comms) confirmed that no discharge had occurred during 2022 to the date of audit.
Pollutant	Units of measure	Frequency	Sampling Method																
Oil and Grease	milligrams per litre	Weekly during any discharge	Representative sample																
pH	pH	Continuous during discharge	Representative sample																
Total suspended solids	milligrams per litre	Continuous during discharge	Representative sample																
M2.3	Air Monitoring Requirements POINT 2,3,4 <table border="1"> <thead> <tr> <th>Pollutant</th><th>Units of measure</th><th>Frequency</th><th>Sampling Method</th></tr> </thead> <tbody> <tr> <td>Particulates - Deposited Matter</td><td>grams per square metre per month</td><td>Monthly</td><td>AM-19</td></tr> </tbody> </table>	Pollutant	Units of measure	Frequency	Sampling Method	Particulates - Deposited Matter	grams per square metre per month	Monthly	AM-19	C	See Condition L2.1 above.								
Pollutant	Units of measure	Frequency	Sampling Method																
Particulates - Deposited Matter	grams per square metre per month	Monthly	AM-19																
Note:	The Licensee may apply to the EPA to use NTU as a monitoring condition other than TSS once the discharge point is operational and the Licensee has had the opportunity to obtain an approved method for assessing NTU.	-	Note only.																

Cond	EPL No. 1115 Condition	Status	Evidence
Testing methods - concentration limits			
M3.1	Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.	NT	Viewed AQ AEMR prepared during the audit period. Section 4.1.2 of the documents indicates that no water discharge events occurred from 2018 - 2021. LR (pers comms) confirmed that no discharge had occurred during 2022 to the date of audit.
M3.2 (a)	Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with: a) any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or	C	Viewed examples of RCA Australia Monthly Deposition Dust Summary reports prepared for Ardglen Quarry. Monitoring reports for deposition dust refer to monitoring methods required under this condition.
M3.2(b)	Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with: b) if no such requirement is imposed by or under the Act, any methodology which a condition of this licence requires to be used for that testing; or	C	See Condition M3.2(a).
M3.2(c)	Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with: c) if no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.	C	See Condition M3.2(a).
Note:	The Protection of the Environment Operations (Clean Air) Regulation 2021 requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW".	-	Note only.
Weather Monitoring			
M4.1	For each monitoring specified below (by point number), the licensee must monitor (by sampling and obtaining results by analysis) each weather parameter specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:	C	Viewed AQ AEMR prepared during the audit period. Section 4.3.2 indicates the system measures: • Rainfall; • Wind Speed and Direction; • Temperature at 2m and 10m; • Sigma Theta; and

Cond	EPL No. 1115 Condition	Status	Evidence																																																		
	<table><tr><th>Parameter</th><th>Units of Measure</th><th>Frequency</th><th>Averaging Period</th><th>Sampling Method</th></tr><tr><td>Rainfall</td><td>mm/hr</td><td>continuous</td><td>1 hour</td><td>AM-4</td></tr><tr><td>Wind speed @ 10 metres</td><td>m/sec</td><td>continuous</td><td>15 minute</td><td>AM-2 & AM-4</td></tr><tr><td>Wind direction @ 10 metres</td><td>o</td><td>continuous</td><td>15 minute</td><td>AM-2 & AM-4</td></tr><tr><td>Temperature @ 2 metres</td><td>oC</td><td>continuous</td><td>15 minute</td><td>AM-4</td></tr><tr><td>Temperature @ 10 metres</td><td>oC</td><td>continuous</td><td>15 minute</td><td>AM-4</td></tr><tr><td>Sigma theta @ 10 metres</td><td>o</td><td>continuous</td><td>15 minute</td><td>AM-2 & AM-4</td></tr><tr><td>Solar Radiation</td><td>W/m2</td><td>continuous</td><td>15 minute</td><td>AM-4</td></tr><tr><td>Siting</td><td></td><td></td><td></td><td>AM-1 & AM-4 & Special Method 1</td></tr><tr><td>Measurement</td><td></td><td></td><td></td><td>AM-2 & AM-4 & Special Method 1</td></tr></table>	Parameter	Units of Measure	Frequency	Averaging Period	Sampling Method	Rainfall	mm/hr	continuous	1 hour	AM-4	Wind speed @ 10 metres	m/sec	continuous	15 minute	AM-2 & AM-4	Wind direction @ 10 metres	o	continuous	15 minute	AM-2 & AM-4	Temperature @ 2 metres	oC	continuous	15 minute	AM-4	Temperature @ 10 metres	oC	continuous	15 minute	AM-4	Sigma theta @ 10 metres	o	continuous	15 minute	AM-2 & AM-4	Solar Radiation	W/m2	continuous	15 minute	AM-4	Siting				AM-1 & AM-4 & Special Method 1	Measurement				AM-2 & AM-4 & Special Method 1		Solar Radiation. Viewed Certificate of Conformance from correspondence between Envirodata and AQ on the 30/4/21. The Certificate indicates that the site weather station measures condition parameters in accordance with EPA requirements for sampling methods.
Parameter	Units of Measure	Frequency	Averaging Period	Sampling Method																																																	
Rainfall	mm/hr	continuous	1 hour	AM-4																																																	
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Measurement				AM-2 & AM-4 & Special Method 1																																																	
M4.2	For the purposes of the table(s) above 'Special Method 1' means that the applicant must install a permanent meteorological monitoring station and logger. The location of the site chosen for the station and details of equipment, measurement and maintenance/service procedures and schedules to be installed and maintained must be submitted in writing to the EPA and approved in writing by the EPA before any sampling or analysis is carried out. The meteorological monitoring station must be calibrated at least once every 12 months. The EPA is to be provided with the data on request in a Microsoft ® Office software compatible format.	C	Viewed AQ meteorological monitoring station and records for the audit period. The monitor is sited consistently with the location on the map provided to EPA on the 2 May 2011 (see Plate 4). Viewed Calibration reports for the weather station dated 12/4/18, 9/4/19, 12/3/20, and 11/4/21 indicating compliance with relevant sampling methods. LR (pers commos) confirmed that EPA have not requested AQ weather monitoring data during the audit period.																																																		
Recording of pollution complaints																																																					
M5.1	The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.	C	Viewed AQ AEMR prepared during the audit period, which provide a summary of complaints received and actions undertaken in response.																																																		
M5.2	The record must include details of the following: a) the date and time of the complaint; b) the method by which the complaint was made; c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect; d) the nature of the complaint; e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and	C	Viewed AQ AEMR prepared during the audit period, (which includes an appended Community Complaints Register for years where complaints were received) and a summary of EPL 1115 Annual Returns during the audit period. Viewed 'ARDGLEN 2020 incidents summary for EPL return', which includes the required information.																																																		

Cond	EPL No. 1115 Condition	Status	Evidence
	f) if no action was taken by the licensee, the reasons why no action was taken.		
M5.3	The record of a complaint must be kept for at least 4 years after the complaint was made.	C	Viewed Community Complaints Register information available on the AQ website and confirmed records are being retained as required.
M5.4	The record must be produced to any authorised officer of the EPA who asks to see them.	NT	LR (pers comm) noted that EPA had not requested any complaints records during the audit period.
Telephone complaints line			
M6.1	The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.	C	Daracon has provided online feedback/complaints form as well as a telephone number for complaints on their website (http://www.daraconquarries.com.au/). The complaints number is also advertised at the AQ site entrance (see Plate 13).
M6.2	The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.	C	Daracon has provided online feedback/complaints form as well as a telephone number for complaints on their website (http://www.daraconquarries.com.au/).
M6.3	The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.	C	LR (pers comm) confirmed that the AQ complaints procedure in place during the audit period.
REPORTING CONDITIONS			
Annual return documents			
R1.1	The licensee must complete and supply to the EPA an Annual Return in the approved form comprising: 1. a Statement of Compliance, 2. a Monitoring and Complaints Summary, 3. a Statement of Compliance - Licence Conditions, 4. a Statement of Compliance - Load based Fee, 5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan, 6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and 7. a Statement of Compliance - Environmental Management Systems and Practices. At the end of each reporting period, the EPA will provide to the licensee notification that the Annual Return is due.	C	Viewed Annual Returns prepared during the reporting period for 2018 – 2021. The EPA POEO Public Register indicates that the 2018 – 2021 Annual Returns were received by EPA on 26/02/19, 28/02/20, 01/03/21 and 31/01/22, respectively. Annual Return documents reviewed used the approved EPA forms, including: 1. Addressed in Section A; 2. Addressed in Section B; 3. Addressed in Section C; 4. Addressed in Section D;

Cond	EPL No. 1115 Condition	Status	Evidence
			5. Addressed in Section E; 6. Addressed in Section F; and 7. Addressed in Section G.
R1.2	An Annual Return must be prepared in respect of each reporting period, except as provided below.	C	Viewed AQ Annual Returns prepared during the reporting period. Section A of the documents reviewed indicated each Annual Return covered from 1/1 to the 31/12 for each calendar year in the reporting period.
R1.3	Where this licence is transferred from the licensee to a new licensee: a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.	NT	LR (pers comm) confirmed that the licence has not been transferred during the audit period.
R1.4	Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on: a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.	NT	LR (pers comm) confirmed that the licence has not been surrendered during the audit period.
R1.5	The Annual Return for the reporting period must be supplied to the EPA via eConnect EPA or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').	C	The EPA POEO Public Register indicates that the 2018 – 2021 Annual Returns were received by EPA on 26/02/19, 28/02/20, 01/03/21 and 31/01/22, respectively.
R1.6	The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.	C	Viewed AQ Annual Returns prepared during the reporting period and confirmed these have been retained for the four-year period required.
R1.7	Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by: a) the licence holder; or b) by a person approved in writing by the EPA to sign on behalf of the licence holder.	C	The EPA POEO Public Register indicates that the 2018 – 2021 Annual Returns were received by EPA on 26/02/19, 28/02/20, 01/03/21 and 31/01/22, respectively.

Cond	EPL No. 1115 Condition	Status	Evidence
Note:	The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period. An application to transfer a licence must be made in the approved form for this purpose.	-	Note only.
Notification of environmental harm			
R2.1	Notifications must be made by telephoning the Environment Line service on 131 555.	NT	LR (pers comms) confirmed no notification of environmental harm to EPA was required during the audit period.
R2.2	The licensee must provide written details of the notification to the EPA within 7 days of the date on which they became aware of the incident.	NT	See Condition R2.1 above.
Note:	The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.	-	Note only.
Written report			
R3.1	Where an authorised officer of the EPA suspects on reasonable grounds that: a) where this licence applies to premises, an event has occurred at the premises; or b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence, and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.	NT	LR (pers comms) confirmed that no requests have been made by EPA during the reporting period.
R3.2	The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.	NT	See Condition R3.1 above.
R3.3	The request may require a report which includes any or all of the following information: a) the cause, time and duration of the event; b) the type, volume and concentration of every pollutant discharged as a result of the event; c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event; d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;	NT	See Condition R3.1 above.

Cond	EPL No. 1115 Condition	Status	Evidence
	e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants; f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and g) any other relevant matters.		
R3.4	The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.	NT	See Condition R3.1 above.
GENERAL CONDITIONS			
Copy of licence kept at the premises or plant			
G1.1	A copy of this licence must be kept at the premises to which the licence applies.	C	A copy of the EPL was available on site at the time of audit (see Plate 14).
G1.2	The licence must be produced to any authorised officer of the EPA who asks to see it.	NT	LR (pers comms) confirmed that no requests have been made by EPA during the reporting period.
G1.3	The licence must be available for inspection by any employee or agent of the licensee working at the premises.	C	A copy of the EPL was available on site at the time of audit (see Plate 14).

Table C MP o6_o264 Statement of Commitments

Cond	Statement of Commitments	Status	Evidence
Scope of Development			
1	The project will be carried out generally in accordance with the following plans and documentation, except where amended by the conditions of the project approval: • the Environmental Assessment (EA) prepared by ERM (June 2007) and accompanying specialist reports; • the Response to Submissions report prepared by ERM (November, 2007); and this revised Statement of Commitments.	NC	Non-conformances were noted and are identified against the conditions of MP o6_o264, as summarised in Table A.
Statutory Requirements			
2	All necessary licences, permits and approvals will be obtained and maintained for the project.	C	Viewed Table 4, Section 1.2 in AQ AEMR prepared during the audit period, which indicate current licencing in place for the site.
3	In Accordance with section 104A of the EP&A Act, the proponent will surrender the existing development consent applying to Lot DP 1001734, issued by Murrurundi Shire Council in May 1994.	C	Viewed letter from DPE to AQ dated 20/08/15 accepting the surrender of the 1994 Council development consent.
General			
4	The proponent will prepare and implement an Environmental Management System (EMS) based on the AS/NZA ISO 14001:2004 - Environmental Management Systems. The EMS will: • incorporate an operational Environmental Management Plan (EMP); • detail potential environmental risks due to operation of the proposed quarry; • provide measures for the prevention, minimisation and management of these impacts to within acceptable limits; and • provide a means for the project to improve environmental performance and move towards environmental sustainability.	C	Viewed Bureau Veritas Certifications awarded to Daracon Group. These certifications include an ISO 9001:2015, ISO 14001:2015, AS/NZS 4801:2001 which remain valid till the 15/5/23. ISO 45001:2018 remains valid till the 14/5/23. Viewed the approved AQ EMS and associated management plans, which include the information required under this commitment.
Water Management			
5	The proponent will prepare and implement a Surface Water Management Plan for the project that will include: • an Erosion and Sediment Control Plan (including procedures to minimise erosion, capture of sediment on-site, and maintenance of control structures); • a Site Water Balance; and	C	AQ currently operates under the SWMP approved by the secretary 2010. This includes in: Point 1- Section 4 a Erosion and Sediment Control Plan;

Cond	Statement of Commitments	Status	Evidence															
	• a Water Quality Monitoring Program		Point 2- Section 3 a Site Water Management Plan; and Point 3- Section 5 a Surface Water Monitoring Program. It is noted that a revision to the SWMP is currently underway at the time of audit, to align with MP o6_o264 MOD2 approval requirements (see Table A).															
Biodiversity																		
6	The proponent will implement the biodiversity offset strategy outlined in the EA, which includes the conservation and long term protection of the areas described in Table 1. Table 1: Biodiversity Offset Areas <table><tr><th>Land Description</th><th>Area (ha)</th><th>Proposed Management Strategy</th></tr><tr><td>Lot 187 DP 751028</td><td>8.2</td><td>stock removal, weed control, planting of EEC trees, transport of logs and rocks, provision of nest boxes</td></tr><tr><td>Lot 39 DP 751028</td><td>11.65</td><td>stock removal, weed control, major planting of EEC trees and grasses, transport of logs and rocks</td></tr><tr><td>Lot 49 DP 751028</td><td>16.3</td><td>stock removal, weed control</td></tr><tr><td>Total</td><td>36.15</td><td></td></tr></table>	Land Description	Area (ha)	Proposed Management Strategy	Lot 187 DP 751028	8.2	stock removal, weed control, planting of EEC trees, transport of logs and rocks, provision of nest boxes	Lot 39 DP 751028	11.65	stock removal, weed control, major planting of EEC trees and grasses, transport of logs and rocks	Lot 49 DP 751028	16.3	stock removal, weed control	Total	36.15		C	Lot 187, 39 and 49: Viewed Offset Fence Inspection report performed in June 2021, which indicates the Biodiversity Offset Areas are fenced off from livestock entering. Lot 187, 39 and 49: Viewed in Sections 5.1.2 and 5.1.3 of LMP, contractor feral animal harvest reports for Jan-Jun 2021 and Jul-Dec 2021, AEMR Section 2.12 in 2018 and 2019 and Table 6 in 2020 and 2021 and Daracon Herbicide / Pesticide Application Records dated 16/1/19 and 23/9/20, which indicate AQ is compliant. Lot 187 and 39- Viewed AQ AEMR prepared during the audit period. Section 2.12 and Appendix 6 indicates planting of EEC trees has occurred. Plate 8 and Plate 9 display examples of plantings across the AQ biodiversity offsets and rehabilitation areas viewed during site inspections. Lot 187 and 39- (LR, pers comms) No evidence of transport of logs and rocks. Lot 187 and 39- Sighted nest boxes installed within AQ offset areas and rehabilitation (see Plate 15). No EEC grass planting has been undertaken within the Lot 39, DP 751028 BOA, at the advice
Land Description	Area (ha)	Proposed Management Strategy																
Lot 187 DP 751028	8.2	stock removal, weed control, planting of EEC trees, transport of logs and rocks, provision of nest boxes																
Lot 39 DP 751028	11.65	stock removal, weed control, major planting of EEC trees and grasses, transport of logs and rocks																
Lot 49 DP 751028	16.3	stock removal, weed control																
Total	36.15																	

Cond	Statement of Commitments	Status	Evidence
			of BCT (see S3, C24 – 25 of MPo6_0264 in Table A). LR noted that this commitment is inconsistent with the objectives for the site determined in consultation with BCT.
7	The proponent will prepare a detailed biodiversity offset management plan in consultation with the DECC and submit it for approval by the Director-General. The plan will include: • proposed staging; • planting details such as final density, species mix, sowing rates, fertiliser; • proposed maintenance schedule; • weed control; • importation of rock and log shelter; • topsoil handling; • fencing; • pre-clearing surveys of all hollow bearing trees within the proposed quarry extension area; • herbivore control; and • number and location of nest boxes.	C	Point 1- Viewed Draft LMP which indicated compliance with this condition in Section 6.2.2 of the draft LMP Point 2- Viewed Draft LMP which contained Very little information on establishment of canopy plans though revegetation broadly covered in section 6.2.2 Point 3- info provided on protection from clearance only, section 6.1.4 Point 4- Viewed in Sections 5.1.2 and 5.1.3 of LMP, feral animal harvest reports for Jan-Jun 21 and Jul-Dec 21, AEMR Section 2.12 in 2018 and 2019 and Table 6 in 2020 and 2021 and herbicide/pesticide application reports dated 16/1/19 and 23/9/20 which indicate AQ is compliant Point 5 -Compliant Viewed in Section 6.1.2 Point 6- Compliant Viewed in Section 6.1.1 Point 7- Viewed Offset Fence Inspection report performed in June 21 which indicates the Biodiversity Offset Areas are fenced off from livestock entering. Point 8- Viewed in Section 6.1.2.1 of LMP which indicates AQ is compliant. LR (pers comms) noted that no clearing activities have occurred during the audit period. Point 9- Viewed in Sections 5.1.2 and 5.1.3 of LMP, feral animal harvest reports for Jan-Jun 21 and Jul-Dec 21, AEMR Section 2.12 in 2018 and

Cond	Statement of Commitments	Status	Evidence
			2019 and Table 6 in 2020 and 2021 which indicate AQ is compliant. Point 10- Sighted nest boxes in offsets. Plate 15 display the nest boxes in the Lot 187 offset.
8	The proponent will make suitable arrangement to provide appropriate long term security for the offset areas.	C	Viewed the AQ 2019, 2020 and 2021 AEMRs. Section 2.12 indicates that consultation with BCT is ongoing, with a Conservation Agreement being the agreed arrangement to secure the Biodiversity Offset Areas. The 2021 AEMR indicates that the BCT provided a draft Offset Agreement for review and comment in late 2021. LR provided a copy of the latest AQ correspondence to BCT on the draft Offset Agreement, dated 05/05/22.
Noise			
9	The proponent will continue to implement the following measure, which are currently in place at Ardglan Quarry, to mitigate noise impacts: • quarry hours are restricted to between 6am and 5:30pm; • noise created by the haul trucks, both empty and loaded, is reduced by imposing a speed limit of 50 km/h when travelling on local roads between the quarry and the highway. Trucks on site are limited to a speed of 25 km/h; • all on-site, fixed and mobile diesel-powered plant, excluding road vehicles, are correctly fitted and maintained to manufacturer specifications. Particular attention is given to engine exhaust systems and the care and maintenance of mufflers. Further noise control is nominated through the implementation of the following measures: • reduction of equipment through the separation of the site activities to overburden stripping and extraction , whereby they do not occur simultaneously; • rail loading will be limited to the day period (7am to 6pm) as much as practicable; • the surge bin will be lined with latex or polymer liners to reduce impulsive noise; • a sheet metal enclosure will be built around the rail loader discharge and extend to include the rail wagon being loaded. The enclosure will be constructed of sheet metal and will cover the length of a minimum of three wagons whereby the wagon being loaded will be in the centre of the enclosure. the enclosure will be open at the ends and will contain a ruff which	C	Viewed AQ NMP and TTMP which included: Point 1- Appendix B of the TTMP is the Driver CoC indicates compliance. There was one complaint received during the audit period for quarry work outside of these hours, see Sch 3 Cond 1 in Table A. Point 2- Appendix B of the TTMP is the Driver CoC which indicates compliance. Point 3- Section 10.1 of the NMP outlines this requirement. Point 4- Section 10.1 of the NMP outlines this requirement. Point 5- Viewed AQ AEMR prepared during the audit period. Section 2.11 indicates no rail transport occurred during the Audit period. Point 6, 9 and 10- Viewed AQ AEMR prepared during the audit period. Section 2.3

Cond	Statement of Commitments	Status	Evidence
	will be connected to the rail loader discharge. Gaps between the loader discharge and the roof will be sealed; • the two scrapers initially assigned for overburden stripping will be replaced by one excavator and two articulated dump trucks; • the existing three crushers will be acoustically treated by extending the metal cladding on the crushing and screening station building to ground level with no gaps or openings; • the existing screens will be located behind earth bunds; and • mobile acoustic barriers or earth mounds will surround the drill rig and any mobile plant situated on the surface during initial stripping; and • where land slopes away from stripping activities to receivers, barriers will be raised to a height of 4 metres, so there is no direct line of sight to receivers.		indicates no processing occurred during the audit period rendering this point as not triggered. Point 7- Viewed AQ AEMR prepared during the audit period. Section 2.11 indicates no rail transport occurred during the audit period. Point 8, 11 and 12- Viewed AQ AEMR prepared during the audit period. Section 2.2 indicates no extraction occurred during the audit period. It is recommended that noise controls described under SoC9 are installed prior to the recommencement of extraction and processing activities on site (where these are entirely consistent with the noise mitigation commitments described in the MOD2 EA).
10	Except during night-time rail loading activities, the proponent will ensure that the noise generated by the project does not exceed the levels set out in Table 2, at any privately-owned residence, unless a specific agreement is reached with the landholder, in which case the proponent may exceed the noise limits set out in Table 2 in accordance with the negotiated noise agreement.	C	See S3, C4 in Table A.

Cond	Statement of Commitments	Status	Evidence																												
	Table 2 Noise Criteria <i>Table 2 Noise Criteria</i> <table><tr><th>Land</th><th>Noise Level LAeq dB(A)</th></tr><tr><td>1 - Burraston</td><td>35</td></tr><tr><td>2 - Rose</td><td>35</td></tr><tr><td>4 - CM Thomson</td><td>44</td></tr><tr><td>5 - M Taylor</td><td>45</td></tr><tr><td>6 - S Thompson</td><td>45</td></tr><tr><td>9 - Bates</td><td>37</td></tr><tr><td>10 - Avery</td><td>38</td></tr><tr><td>11 - Shipman</td><td>37</td></tr><tr><td>12 - Hall</td><td>36</td></tr><tr><td>13 - McGhie</td><td>35</td></tr><tr><td>14 - Purtell</td><td>36</td></tr><tr><td>15 - J Taylor</td><td>43</td></tr><tr><td>16 - Bojba</td><td>40</td></tr></table>	Land	Noise Level LAeq dB(A)	1 - Burraston	35	2 - Rose	35	4 - CM Thomson	44	5 - M Taylor	45	6 - S Thompson	45	9 - Bates	37	10 - Avery	38	11 - Shipman	37	12 - Hall	36	13 - McGhie	35	14 - Purtell	36	15 - J Taylor	43	16 - Bojba	40		
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1 - Burraston	35																														
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10 - Avery	38																														
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12 - Hall	36																														
13 - McGhie	35																														
14 - Purtell	36																														
15 - J Taylor	43																														
16 - Bojba	40																														
Blasting and Vibration																															
11	The proponent will implement the following measures to mitigate the impacts of blasting and vibration: • blasting will be limited to between the hours of 10am and 4pm, Monday to Friday and residents in the vicinity of the quarry will be given adequate notification of forthcoming blasts; • air-blast overpressure from any blast will not exceed 120 dB(Lpeak) at any privately-owned residence for more than 5% of all blasts over a 12 month period. It will not exceed 115 dB(Lpeak) at any time , unless specific prior agreement is reached with the affected landholder; • peak particle velocity (ppv) from ground vibration will not exceed 5 mm/s at any privately-owned residence for more than 5% of the total number of blasts over a 12 month period. The maximum level will not exceed 100m/s at any time;	NT	Viewed AQ AEMR prepared during the audit period. Section 4.2.5 indicates no blasting occurred during the audit period. LR (pers comms) confirmed that no blasting had occurred during 2022.																												

Cond	Statement of Commitments	Status	Evidence
	- the existing blast management strategy will continue to be implemented to ensure appropriate charge masses are used to avoid excessive air blast overpressure and ground vibrations; and - a Blast Monitoring Program will be prepared and submitted to the Director-General for approval.		
Air Quality			
12	In addition to the dust mitigation measures currently employed, the proponent will implement the following measures to ensure particulate matter emissions are minimised: - revegetation of exposed surfaces where possible; - sealing the haul road; - limiting the speed limit on unpaved surfaces to 15 km/hr; - high level watering of unpaved road surfaces (greater than 2L/m²/hr); - covering all loads leaving the site; - building a wheel wash at the end of the unpaved section of the haul road (after the weighbridge); and - wet suppression or chemical coating of static stockpiles.	NC	Reviewed the approved AQMP and LMP documents. Point 1 – LR (pers comms) noted all areas not required to potentially support MOD2 activities have been rehabilitated. Point 2- Viewed TTMP. Appendix C of the TTMP includes a the Road Safety Audit (2018) which indicates the haul road is sealed. Point 3- It is recommended that AQ address the potential inconsistencies in speed limits adopted for the project (see S3, C43 in Table A). Point 4- Approved AQMP notes requirement to water unpaved road surfaces. Point 5- Viewed TTMP. Appendix B is the Driver CoC which indicates requirement to cover all loads when leaving site. Point 6- AQ 2020 AEMR Section 2.7 indicates the removal of the wheel wash station. See S3, C16. Point 7- The implementation of wet suppression or other treatments for site stockpiles was not being undertaken at the time of audit. LR (per comm) noted that this has not been required during care and maintenance due to minimal dust emissions from long-term stockpiled material remaining on site.

Cond	Statement of Commitments	Status	Evidence
			It is recommended that AQ consider including flexibility in the AQMP for not using wet suppression or chemical coating on all static stockpiles, where this will not create significant reductions in air quality emissions.
13	The proponent will prepare and implement an air quality monitoring program for the project. The program will include: • a series of dust deposition gauges operated in accordance with Australian/New Zealand Standard AS/NZS 3580.10.1:2003; and • a series of high volume or low volume air samplers to monitor levels of PM₁₀, operated in accordance with Australian/New Zealand AS/NZS 3580.9.6:2003 and AS/NZS 3580.9.6:2003.	C	Viewed Section 9 of the approved AQMP, which indicates compliance with the Australian and New Zealand Standard in operation of the air quality monitoring network.
Rehabilitation			
14	The proponent will prepare a detailed biodiversity offset plan to provide an integrated plan for the whole site, considering the existing quarry areas, the western extension, the areas of box-gum woodland to be preserved and the areas to be planted as offsets. This plan will be prepared in liaison with the DECC and lodged for approval by the Director-General.	NC	See S3, C27 in Table A.
15	The proponent will progressively rehabilitate the site, generally in accordance with the rehabilitation strategy outlined in the EA.	C	Viewed audit period AEMRs, which identify rehabilitation works undertaken at AQ on an annual basis.
16	The proponent will lodge a rehabilitation bond with the Director-General to ensure that rehabilitation of the site is satisfactorily completed, generally in accordance with the rehabilitation strategy outlined in the EA.	C	Viewed correspondence between DPE and AQ on the 29/9/2016 and 30/9/2016 which indicates approval of Rehabilitation Bond as submitted.
Traffic Management and Access			
17	The proponent will not transport more than 500,000 tonnes of product from the site each year.	C	Viewed AQ AEMR prepared during the audit period. Sections 2.2 and 2.3 indicate that the site did not transport greater than 500,00 tonnes from site in any year. LR (pers comms) confirmed that no transportation had occurred during 2022.

Cond	Statement of Commitments	Status	Evidence
18	The proponent will keep daily records of: • the type and amount of product transported from the site and the method of transportation i.e. road or rail; and • the type and amount of quarry material imported onto the site and the method of transportation i.e. road or rail.	C	Point 1- Viewed AQ AEMR prepared during the audit period. Section 2.2 and 2.11 indicates transport method, amount, and material type. Point 2- Section 2.2 and 2.11 of AEMRs indicate no importation of quarry materials occurred.
19	The proponent will maintain the quarry access route from the New England Highway to the quarry entrance, to at least its present standard (two lane rural road) to the satisfaction of Council.	C	Viewed AQ TTMP. Appendix C of the TTMP indicates consultation is occurring with Liverpool Plains Shire Council regarding the quarry access route. Viewed AQ 2021 AEMR Section 2.11, which outlines how engagement with Council over access.
Visual Amenity			
20	The proponent will implement the following mitigation measures to reduce the potential visual impacts of the project: • those areas of the quarry in which the resource has been exhausted will be progressively rehabilitated and revegetated; and • further planting will be undertaken along the ridgeline to the west of the proposed extension area.	C	Viewed draft LMP. Section 6 outlines the rehabilitation planned from 2019-24. Viewed AQ AEMR prepared during the audit period. Section 2.12 outlines the progressive rehabilitation occurring on site during the audit period, including EEC plantings (see Plate 8 and Plate 9).
Aboriginal Cultural Heritage			
21	Should any Aboriginal objects (artefacts) be exposed during ground surface disturbance, all works involving ground surface disturbance will be suspended. A representative of the Nungaroo Local Aboriginal Land Council and an archaeologist will conduct an assessment of the significance of the Aboriginal object(s) and identify appropriate mitigation and management measures.	NT	Viewed Unexpected Finds Procedure (Daracon reference: IM-PRO-0504-002) dated 15/04/19 which outlines the steps AQ personnel should follow if previously unknown Aboriginal objects or place are discovered on the site. LR (pers comm) confirmed that no Aboriginal objects (artefacts) were exposed during the audit period.

Cond	Statement of Commitments	Status	Evidence
Community Consultation			
22	The proponent will continue to engage the community in consultation, with the aim of providing the community with up-to-date information in relation the project and quarry operations in general, and allowing the community to provide feedback and raise any issues or concerns. On-going consultation will include distribution of an annual community newsletter and individual face-to-face meetings with adjoining landowners and other stakeholders when required.	C	Viewed CCC meeting minutes for the audit period available on the AQ website.
Annual Reporting			
23	The proponent will prepare and submit to the Director-General an Annual Environmental Management Report (AEMR). The AEMR will: • include a summary of the environmental monitoring results for the project for the past year; • include an analysis of the monitoring results against relevant limits/criteria and monitoring results from previous years; and • identify and discuss any non-compliances during the past year and detail any actions taken to ensure compliance.	C	Viewed AEMR documents prepared during the audit period, which are published in the AQ website.

APPENDIX C
PLATES FROM SITE INSPECTION



Plate 1 Hydrocarbon Storage Tanks and Storage Area within the quarry site

Note all hydrocarbon storage tanks were empty and not in use at the time of audit

DARACON Integrated Management System IM-REP-0503-001
Revision Number: 06
Date Reviewed: 30 August 2017

REPORT: ENVIRONMENTAL INSPECTION
To be completed weekly, following/during rain event or as specified by Regulator/Client by Supervisor or Leaving Hand then forward to Project Manager weekly. Please use 05 or 06 to complete the below table

Job Title: *Asbestos survey* Job No: *BAR*
Date: *25/11/21* Day: *Tu*
Rainfall: *none* Incident or Complaint Y/N Ref: *N*
Inspection By: *LBB*

Action	Inspected	Compliant	Time	Comment & Actions	By Whom
Erosion & Sediment Controls					
Stockpiled Pavers	✓	✓			
Grass	✓	✓			
Grass traps	✓	✓			
Clean Roads	✓	✓			
Stockpiles	✓	✓			
Dust	✓	✓			
Sediment Ponds					
Water Sampled	N/A				
Intentional Discharge	N/A				
Unintentional Discharge	N/A				
Sediment Removed	N/A				
Waste Management					
Tidy Site	✓	✓			
Waste Disposal					
Soil	Volume		m ³	Destination:	
Concrete	Volume		m ³	Destination:	
Truck Wheel cleaning	N/A				
Concrete	N/A				
Washout bay					
Other Environmental controls placed and effective					
Water cart use	As req'd			Water sourced from in-pit sump as required	
Neighbourhood	✓	✓			
noise / flora	✓	✓			
setback	✓	✓			
noise & vibration	✓	✓			
chemicals	✓	✓			
drilling	✓	✓			

Site very wet
Drill rig + dozer Identi- look last week.
offset planting recently inspected by Danden - Good

Plate 2 Example of completed AQ Environmental Inspection Report



Plate 3 Air Quality Monitoring sites located to the north of Quarry Site



Plate 4 AQ Weather Station Site

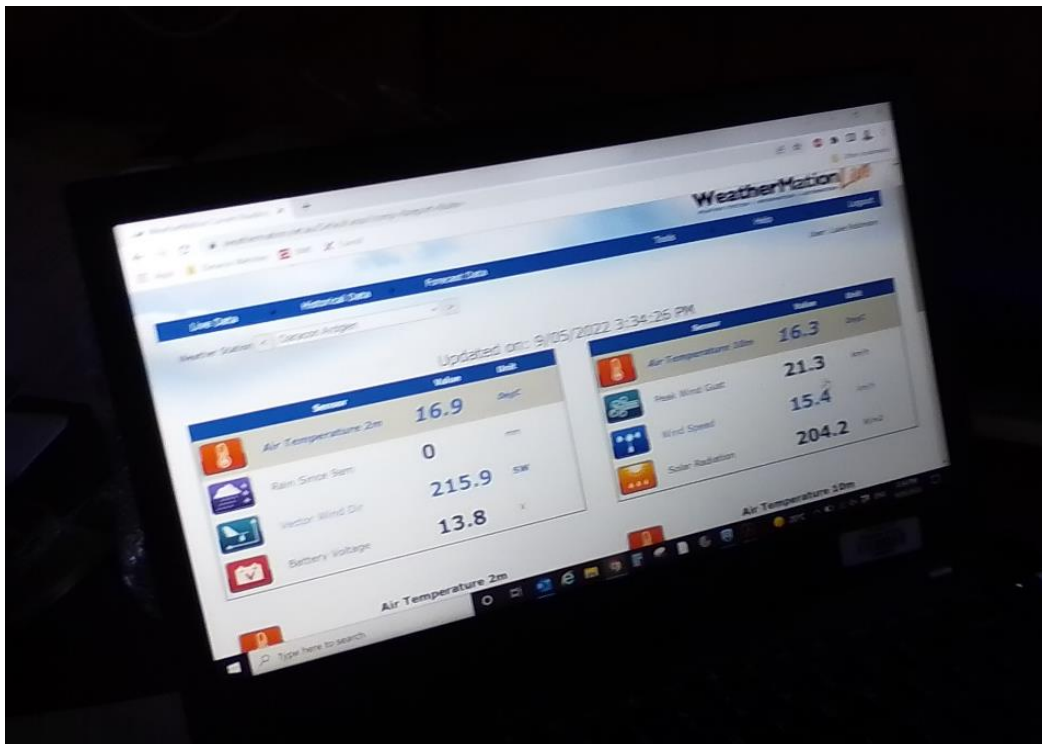


Plate 5 AQ real-time weather monitoring data system



Plate 6 Tertiary Dam location approved under MOD2

Note the alterations to the Tertiary Dam approved under MOD2 had not been constructed at the time of audit



Plate 7 Groundwater monitoring bore location installed following MOD2



Plate 8 Rehabilitation Plantings in Lot 1, DP 1001734



Plate 9 Plantings in Lot 187, DP 751028 Biodiversity Offset Areas



Plate 10 Trucks turning signage on Southern approach to site



Plate 11 Site access signage indicating 15km/hr speed limit on unpaved surfaces



Plate 12 Location of Crushing Pad approved in MOD2 (not yet developed)



Plate 13 AQ contact number signage at site entrance

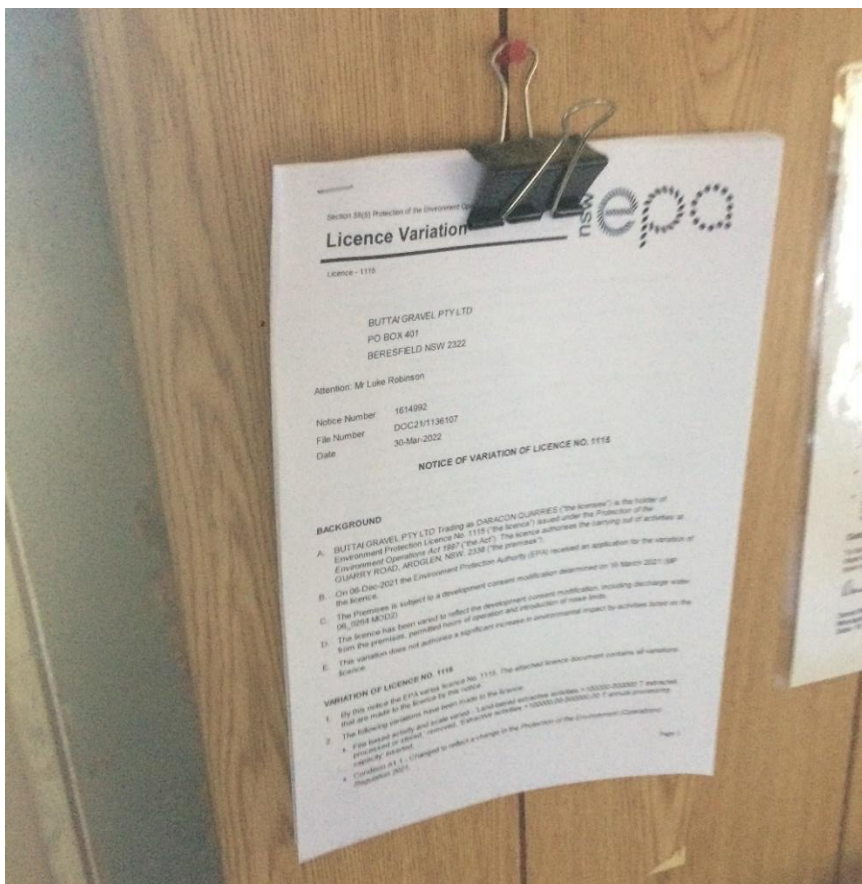


Plate 14 EPL document available at AQ site office



Plate 15 Nest Box in the Lot 187 DP 751028 Biodiversity Offset Area

APPENDIX D

STAKEHOLDER ENGAGEMENT

CORRESPONDENCE



Department of Planning and Environment

Luke Robinson
Systems Manager – Construction Materials
Buttai Gravel Ltd (Daracon Quarries)
Ardglen Quarry
Kamilaroi Country

02/02/2022

Dear Mr Robinson

Ardglen Quarry (MP06_0264) 2022 IEA Auditor Endorsement

I refer to your request (MP06_0264-PA-22) and response to request for additional information (RFI-35158713) for the Secretary's endorsement of suitably qualified persons to prepare the upcoming Independent Environmental Audit (IEA) for the Ardglen Quarry in accordance with Condition 5 of Schedule 5 of MP 06_0264, as modified (the approval).

The Department has reviewed the information provided in accordance with the requirements of the approval and the Department's *Post-approval requirements for State Significant Developments Independent Audit Guideline, October 2015* (IEA Guideline) and subsequently endorses the following audit team members:

- Mr Dorian Walsh – Lead Environmental Auditor
- Ms Katrina Wolfe – Biodiversity specialist
- Mr Clayton Richards – Rehabilitation specialist
- Mr Andrew Wu – Surface water and groundwater specialist

Please ensure this correspondence is appended to the IEA Report.

The IEA must be prepared, undertaken and finalised in accordance with Condition 5 of Schedule 5 of the approval and the IEA Guideline. Failure to meet these requirements will require revision and resubmission.

Finally, as per Condition 6 of Schedule 5 of the approval, the IEA report, together with the Applicant's response to audit recommendations (RAR) and a timetable for the implementation of recommendations, must be submitted to the Planning Secretary (via the Major Project Portal) within 3 months of commencing the IEA (being the date of the audit inspection).

Should you have any questions, please contact Ann Hagerthy, Senior Compliance Officer, on 02 6575 3407 or email compliance@planning.nsw.gov.au

Yours sincerely

Heidi Watters
Team Leader Northern
Compliance

As nominee of the Planning Secretary

Dorian Walsh

Subject: FW: Ardglan Quarry Independent Environmental Audit - consultation

From: Ann Hagerthy
Sent: Wednesday, 27 April 2022 3:25 PM
To: Dorian Walsh
Cc: Heidi Watters
Subject: RE: Ardglan Quarry Independent Environmental Audit - consultation

[WARNING] This email originated from outside of the organisation.

Hi Dorian,

If you could please provide additional focus on the following areas that would be appreciated:

- Surface water management
- Groundwater management
- Rehabilitation
- Biodiversity offset management
- Truck movements limits

Thanks,

Ann Hagerthy
Senior Compliance Officer

Energy, Industry & Compliance | Planning & Assessment
Department of Planning and Environment
T 02 6575 3407 |
PO Box 3145 | Singleton NSW 2330

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

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

www.dpie.nsw.gov.au



Our Vision: Together, we create thriving environments, communities and economies.

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.



DOC22/286318

11 April 2022

Dorian Walsh
James Bailey & Associates
6/127-129 John Street
SINGLETON NSW 2330
Email: dwalsh@baileyassociates.com.au

Dear Mr Walsh,

Thank you for your request for the Environment Protection Authority (EPA)'s input to the Independent Environmental Audit for Ardglen Quarry which holds Environment Protection Licence (EPL) 1115.

The EPA notes that you are undertaking an independent environmental audit of the quarry. The EPA has recently varied the EPL for this site and has no issues or matters to be addressed in the Environmental Audit. A copy of the latest version of the EPL is available at: [Public registers \(nsw.gov.au\)](https://publicregisters.nsw.gov.au)

Please contact myself or Angus Adair on 131 555 or by email to info@epa.nsw.gov.au if you wish to discuss this matter further.

Yours sincerely,

A handwritten signature in blue ink that reads 'Rebecca Scrivener'.

REBECCA SCRIVENER
Head, Regional Operations
Regional Regulatory Operations - Armidale

Dorian Walsh

Subject: FW: Ardglan Quarry Independent Environmental Audit - consultation
Attachments: Ardglan revegetation advice.docx

From: Amelia Paton
Sent: Friday, 6 May 2022 4:00 PM
To: Dorian Walsh
Cc: Adam Lanske; Leith Hawkins
Subject: RE: Ardglan Quarry Independent Environmental Audit - consultation

[WARNING] This email originated from outside of the organisation.

Hi Dorian,

Thank you for providing BCT with a time extension to provide feedback regarding specific environmental issues for the 2022 Independent Environmental Audit for Ardglan Quarry.

The BCT have identified three specific areas to be noted:

1. Alignment of the revegetation project
2. High exotic ground cover
3. Recommended removal of internal fencing.

1. Alignment of the revegetation project

The BCT was invited to provide guidance on the 2021 revegetation project to be undertaken at Ardglan Quarry to help ensure alignment between the Conservation Agreement, Site Values Report and the revegetation works that were being undertaken prior to the completion of these. For advice supplied, please refer to the attached Ardglan revegetation advice document.

2. High exotic weed cover

The BCT noted a high extent of exotic ground cover during the site visit. Species include but are not limited to, *Paspalum* sp. and *Pennisetum clandestinum* (Kikuyu). These species are problematic to deal with and will negatively impact upon the biodiversity values of the site. Appropriate management actions will need to be determined and adequately funded in the TFD.

3. Recommended removal of internal fencing

The BCT recommends any internal fencing be removed to facilitate the movement of wildlife within the site. The BCT recommends that appropriate wildlife friendly boundary fencing is erected and maintained as outlined in the BCT Essential Conservation Fencing Guidelines.

Please don't hesitate to contact me if you would like any clarification.

Kind regards,
Amelia

Amelia Paton
Ecologist

NSW Biodiversity Conservation Trust

M 0455 453 335 | [W www.bct.nsw.gov.au](http://www.bct.nsw.gov.au) | [Who is the BCT?](#)

7023 Gwydir Hwy, Inverell NSW 2360