



Independent Environmental Audit:

Austen Quarry

Development Consent SSD-6084



Audit Reference:	AQ1279
Audit Organisation:	Hy-Tec Industries Pty Ltd
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This report has been prepared and reviewed in accordance with our quality control system. The report is a preliminary draft unless it is signed below.

This report has been prepared by: James Hart

Signature

Date 9/09/2020

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Independent Audit Certification Form

Development Name Austen Quarry
Development Consent No. SSD-6084
Description of Development Hard Rock Quarry
Development Address 391 Jenolan Caves Road Hartley NSW
Operator Hy-Tec Industries Pty Ltd (Hy-Tec)
Operator Address Gateway Business Park U 4 63-79 Parramatta Rd Silverwater, NSW 2128

Title of Audit Independent Environmental Audit: Austen Quarry SSD-6084, NSW

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

- The audit has been undertaken in accordance with relevant approval condition(s) and in accordance with the auditing standard AS/NZS ISO 19011:20184 and Post Approval Guidelines – Independent Audits;
- The findings of the audit are reported truthfully, accurately and completely;
- I have exercised due diligence and professional judgement in conducting the audit;
- I have acted professionally, in an unbiased manner and did not allow undue influence to limit or over-ride objectivity in conducting the audit;
- I am not related to any owner or operator of the development as an employer, business partner, employee, sharing a common employer, having a contractual arrangement outside the audit, spouse, partner, sibling, parent, or child;
- I do not have any pecuniary interest in the audited development, including where there is a reasonable likelihood or expectation of financial gain or loss to me or to a person to whom I am closely related (i.e. immediate family);
- Neither I nor my employer have provided consultancy services for the audited development that were subject to this audit except as otherwise declared to the lead regulator prior to the audit; and
- I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from fair payment) from any owner or operator of the development, their employees or any interested party. I have not knowingly allowed, nor intend to allow my colleagues to do so.

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

Signature



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Date 26 August 2020

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Abbreviations

AQMP	Air Quality Management Plan
BOMP	Biodiversity Offset Management Plan
BMP	Blast Management Plan
DA	Development Approval
DPIE	Department of Planning Industry and Environment
EMS	Environmental Management Strategy
EPA	Environment Protection Authority
EPL	Environment Protection Licence
IEA	Independent Environmental Audit
LRMP	Landscape and Rehabilitation Management Plan
NMP	Noise Management Plan
NOW	NSW Office of Water
OEH	Office of Environment and Heritage
PIRMP	Pollution Incident Response Management Plan
POEO	Protection of the Environment Operations
RMS	Roads and Maritime Services
SLMGMP	Silver Leaved Mountain Gum Management Plan
TMP	Transport Management Plan
WAL	Water Access Licence
WMP	Water Management Plan

1 INTRODUCTION

1.1 Overview

Hy-Tec Industries Pty Ltd (Hy-Tec) operate the Austen Quarry, an existing hard rock quarry located at 391 Jenolan Caves Road Hartley NSW. The quarry is located within Lots 1, 2 DP 1000511, Lot 31 DP 1009967 and Lot 4 DP 876394, and is surrounded by agricultural land holdings.

Hy-Tec was granted Development Approval on 15 July 2015 for the Austen Quarry Extension (SSD_6084). The previous approval (DA103/94) was surrendered on 15 September 2016, with operations under SSD_6084 formally commencing on this date. An application to modify the consent was approved with modified conditions (SSD 6084 MOD 1) on 15 August 2018. A second modification was approved with modified conditions (SSD 6084 MOD 2) on 15 July 2019.

The conditions of approval require Hy-Tec Industries Pty Ltd to appoint an independent auditor to assess compliance with the Minister's Conditions of Approval obtained for the quarry operations.

Schedule 5, condition 8 of the approval requires an Independent Environmental Audit to be conducted within one year of the date of the commencement of quarrying operations, and every 3 years thereafter, unless the Secretary of the DPE directs otherwise. The condition requires the proponent to commission and pay the full cost of the audit. The audit must:

- a. Be conducted by a suitably qualified, experienced, and independent team of experts whose appointment has been approved by the Secretary;
- b. Include consultation with relevant agencies;
- c. Assess the environmental performance of the project, and whether it is complying with the relevant requirements in this consent and any relevant EPL or necessary water licences for the development (including any assessment, strategy, plan or program required under these approvals);
- d. Review the adequacy of any strategy/plan/program required under this approval; and, if necessary
- e. Recommend appropriate measures or actions to improve the environmental performance of the development, or any assessment, strategy, plan or program required under the abovementioned approvals.

1.2 Audit Objectives

The objective of this Independent Environmental Audit was to assess the operations at the Austen Quarry and provide a report in accordance with the requirements of Schedule 5, condition 8 of the development approval.

1.3 Audit Scope and Criteria

The scope of this audit was limited to the site, being Lots 1, 2 DP 1000511, Lot 31 DP 1009967 and Lot 4 DP 876394, and the activities and processes carried out by Hy-Tec in operating the quarry. The audit is the second for the project and covered the period between October 2017 and the date of the current audit (29 July 2020).

The audit scope included:

- the conditions of SSD_6084 as modified (MOD2);
- Environmental Protection Licence 12323;

- Conditions of Water Access Licences 37423 and 25616;
- management plan requirements;
- the requirements of relevant regulatory agencies;
- the status of the operation;
- the performance of the operation;
- results from previous audits;
- any incidents or community complaints;
- feedback received from other regulatory agencies on the performance of the operation; and
- feedback received from the community / community consultative committee on the performance of the operation.

The audit criteria were developed by the Lead Auditor, and are included as a checklist at the end of this report.

2 Methodology

The audit methodology included a review of approval conditions and key management plans prepared for the quarry operations, interviews with project personnel, and a site inspection to assess the level of compliance with and implementation of those requirements.

2.1 Audit Team

The audit was conducted by the following:

Auditor	Role	Qualifications and Experience
James Hart	Lead Environmental Auditor Exemplar Global No 12105	See attached CV

James Hart, was endorsed by the Secretary of the Department of Planning, Industry and Environment on 9 June 2020.

2.2 Approvals and Documents Audited

The following documents and approvals were reviewed and included within the audit:

- Project Approval – SSD_6084 (as modified);
- Air Quality Management Plan – Austen Quarry, Version 4, approved 23/08/2019;
- Blasting Management Plan– Austen Quarry, Version 3, approved 23/08/2019;
- Noise Management Plan – Austen Quarry, Version 3, approved 23/08/2019;
- Transport Management Plan – Austen Quarry, Version 3, approved 23/08/2019;
- Water Management Plan – Austen Quarry, Version 11, approved 23/08/2019;
- Landscape and Rehabilitation Management Plan – Austen Quarry, Version 2.2, approved 6/09/2019;
- Environmental Management Strategy – Austen Quarry, Version 2.1, approved 23/08/2019;
- Silver Leaved Mountain Gum Management Plan - Austen Quarry, Rev 3,19/08/2016;
- Environmental Protection Licence No 12323, NSW EPA, 3/07/2019;
- Austen Quarry Annual Review, 1 July 2017 to 30 June 2018;

- Austen Quarry Annual Review, 1 July 2018 to 30 June 2019;
- Austen Quarry Complaints Register, July 2015 to June 2020; and
- Water Access Licences 25616 and 37423.

2.3 Agency and Community Consultation

The following people were consulted with prior to the audit to obtain feedback and to focus the audit criteria towards key issues.

Refer to **Appendix C** for consultation records provided.

Contact	Agency	Comments
Melanie Hollis A/Principal Policy Officer Resource Assessments	Department of Planning, Industry and Environment	No particular concerns or issues
Adam Muir/ Lauren Stevens	Economic Development & Environment Lithgow City Council	Council would just like to reinforce that the Quarry face continues to be sprayed with bitumen emulsion to reduce visual impacts.
Adam Banister Division of Resources & Geoscience Department of Planning, Industry and Environment	Division of Resources & Geoscience Department of Planning, Industry and Environment	
Alex McGuirk Operations Officer – Regulatory Operations	NSW Environment Protection Authority	The EPA is particularly interested in: <ul style="list-style-type: none"> • Surface water management, including erosion and sediment control (I understand that this week the Premises is discharging from one or more licensed points due to recent rain) • Pollution incident response preparedness, including managers'/workers' understanding of their roles and responsibilities

2.4 Name and Position of Persons Interviewed

The following site personnel were interviewed during the conduct of the audit:

Name	Position/Role	Organisation	Date of Interview
Darryl Thiedeke	National Planning and Development Manager	Hy-Tec	29/07/2020
Craig McDonald	Quarry Manager	Hy-Tec	29/07/2020
Ethan Pettiford	Operations Manager	Hy-Tec	29/07/2020

2.5 Audit Process

The audit commenced with an Opening Meeting to confirm the scope, purpose, and timeline of the audit. The Opening Meeting was held at 9.00am, 29 July 2020, in the Austen Quarry site office.

Key operational documents were reviewed, and evidence of compliance was sought through the interview process. Key documents were the various management plans required under the approval. Documentation included a combination of hard copy records and electronic records maintained by Hy-Tec, with records generally available during the audit. Additional records were provided subsequent to the onsite audit.

A site inspection was then conducted, and included inspection of roads and drainage structures, inspection of access control measures implemented, and inspection of quarrying operations. At the time of audit, activities being undertaken included, Loading and haulage of material from the extraction area to the processing plant, Crushing and screening of material, Stockpiling of materials of various size grades, loading of trucks for dispatch.

A closing meeting was held at 3.30pm on 29 July 2020 where the preliminary audit findings were presented.

2.6 Audit Compliance Definitions

Audit compliance status descriptors were in accordance with the Independent Audit – Post Approval Requirements 2018.

Compliant	Where the auditor has collected sufficient verifiable evidence to demonstrate that the intent and all elements of the requirement of the regulatory approval have been complied with within the scope of the audit
Non-compliant	Where the auditor has collected sufficient verifiable evidence to demonstrate that the intent of one or more specific elements of the regulatory approval have not been complied with within the scope of the audit.
Not triggered	A regulatory approval requirement has an activation or timing trigger that had not been met at the time of the audit inspection, therefore a determination of compliance could not be made.

2.7 Issues to be considered in reviewing this report

This audit was based on a review of compliance with the approval conditions for the operation of the Austen Quarry.

In particular, the audit focused on the implementation of measures described in the various Environmental Management Plans to manage the impacts of the activities on the surrounding environment. The checklist appended to this report identifies those compliance issues that could be assessed given the stage of the project.

By its very nature an audit does not guarantee full compliance of all aspects of the project with the undertakings of the Management Plans and associated documentation. However; in the opinion of the auditor, the extent and scope of the field inspection together with the records maintained by Hy-Tec were sufficient evidence to verify general compliance of the activities with the requirements of the conditions of approval.

3 AUDIT FINDINGS

3.1 Overview

Specific activities being undertaken at the time of audit were:

- Loading and haulage of material from the extraction area to the processing plant;
- Crushing and screening of material;
- Stockpiling of materials of various size grades;
- Loading of trucks for dispatch; and
- Operation of excavator and front end loader.

The attached checklists record the outcomes of the audit process. Seven non-compliances were identified where compliance with the conditions of consent, EPL, or management plans could not be verified. The following sections summarise key findings for review and action by Hy-Tec as appropriate.

3.2 Previous Audit Findings

Previous audit findings were reviewed as part of the current audit to assess implementation of actions identified to address issues. Information available showed previous findings had generally been addressed. A summary of previous findings and status is provided in Appendix A.

One issue raised in the previous audit was not able to be closed. During the previous audit, it was found that, while safety data sheets were available, some were greater than 5 years old. During the current audit, it was again found that some safety data sheets were greater than 5 years old. This issue remains open (See Non-compliance 07)

3.3 Development Consent (SSD_6084)

Schedule 2 – Administrative Conditions

The site had implemented processes to generally manage compliance with the administrative control requirements of the conditions of consent.

One non-compliance was identified in relation to administrative controls. Two non-compliances were identified in relation to conditions of approval, which trigger a non-compliance with Condition 2A (See Non-compliance-01).

Schedule 3 – Environmental Performance Conditions

All of the required management plans had been developed and provided to DPIE for review and approval.

Two non-compliances were raised in relation to environmental performance conditions.

One non-compliance was raised against Condition 3-11, which requires the site to monitor and report on compliance with the relevant air quality conditions in this consent.

- No TSP/PM₁₀ monitoring was conducted during the period 24/10/2017 to 2/01/2018 due to equipment failure (See Non-compliance-02).

A second non-compliance was identified in relation to condition 3-16, which requires the Applicant to comply with the discharge limits in any EPL, or Section 120 of the POEO Act.

- Monitoring results for surface water discharges on 24/10/2017 reported a pH reading of 8.6, which was outside of the range specified in the environmental protection licence of 6.5 to 8.5 (See Non-compliance -03).

Schedule 4 – Additional Procedures

The site was compliant with the conditions of Schedule 4. No instances occurred where landowners were required to be notified of an exceedance, and no request for an independent review had been received.

Schedule 5 – Environmental Management, Reporting and Auditing

Processes had been implemented to comply with environmental management requirements. An Environmental Management Strategy had been documented and implemented, management plans prepared, and an annual review process implemented.

Two non-compliances were raised in relation to Schedule 5 requirements.

- Condition 5-3. Non-compliance issues have been identified that are therefore not compliant with this condition. Where an exceedance of the criteria and/or performance measures in Schedule 3 has occurred, Hy-Tec had not provided a report to the Department describing preferred remediation measures or other course of action. The site had not reported the breakdown of the air quality monitor (24/10/2017 to 2/01/2018), the pH exceedance on 24/10/2017, or that water quality monitoring was not conducted at Points 2 and 3 during the discharge event on 10/02/2020 due to safety concerns (river in flood). (See Non-compliance - 04).
- Condition 5-6. The secretary had not been immediately notified of incidents which had occurred on site, and a report had not been provided within 7 days of the date of the incident. The site had not reported the breakdown of the air quality monitor (24/10/2017 to 2/01/2018), or the pH exceedance on 24/10/2017 (See Non-compliance -05).

It is noted that both non-compliances had been addressed prior to the current audit.

3.4 Environmental Protection Licence (EPL 12323)

An EPL had been issued for the operations, which places requirements on the site for the management of air, noise, water, and complaints. The site had complied with requirements for monitoring of noise, blasting, and surface water, and complaints management and reporting processes have been implemented and met.

A Pollution Incident Response Management Plan (PIRMP) has been prepared in accordance with the requirements of the EPL. Pollution incident response scenarios had been identified, and records were available to show that persons on site had been trained in scenarios. It was noted that quarry management had a detailed knowledge of pollution incident response procedures.

Two non-compliances were identified in relation to EPL requirements.

- The pH of water discharged on 24/10/2017 had exceeded the licence limit conditions. This was reported as a minor exceedance in the 2017-2018 annual return (See Non-compliance 03).
- Water quality monitoring was not conducted at Points 2 and 3 during the discharge event on 10/02/2020 due to safety concerns (river in flood) (See Non-compliance 05).

3.5 Water Access Licence

Water access licences have been obtained for extraction of surface water from the Coxs River (WAL 25616) and groundwater from the quarry pit (WAL 37423).

Records were available to show that water taken from the Coxs River had been taken in accordance with the requirements of WAL25616. A log book had been maintained for water extracted under the licence. However, one non-compliance was identified in relation to the water access licence conditions.

- While daily and annual volume of water taken was recorded in the logbook, the 3 year cumulative average and the maximum volume of water permitted to be taken in those years was not recorded (See Non-compliance-06).

Ground Doctor had been engaged to estimate monitor groundwater and estimate groundwater inflow into the pit on an annual basis. No non-compliances were identified in relation to the conditions of WAL37423.

3.6 Air Quality Management Plan

An Air Quality Management Plan (AQMP) had been prepared for the project and approved by DPIE on 19 May 2017. The AQMP had been updated to comply with the conditions of Consent MOD2, and approved on 23/08/2019. The AQMP included measures to minimise and monitor air quality impacts of the site's operations and requirements for air quality monitoring.

One non-compliance was identified in relation to the requirements of the AQMP.

- TSP and PM10 monitored continuously except during the period 24/10/17 to 2/01/18, due to equipment failure. The non-compliance with monitoring requirements had not been reported to DPIE in accordance with Condition of Approval Schedule 5 Condition 6 (See Non-compliance-02).

3.7 Water Management Plan

The Water Management Plan (WMP) has been updated to comply with the requirements of Conditions of Consent MOD2. The WMP was submitted to and approved by DPIE (V11, approved 23/08/19).

Records were available to demonstrate that water monitoring had been conducted in compliance with the requirements of the consent conditions and EPL12323. One exceedance of water quality criteria had been recorded. The pH of surface water discharged on 24/10/2017 was recorded as 8.6, which was outside of the range identified in the EPL (6.5-8.5). As a result of the non-compliance, the site purchased a pH meter to measure pH prior to discharge. All subsequent surface water discharges were in compliance with EPL and WMP requirements.

Two rainfall events (March 2020 and July 2020) which had resulted in discharge from Dam 1 (Licenced Discharge Point 1) exceeding the limit for Total Suspended Solids (TSS). On both occasions, the limits were deemed not to apply as the discharge had occurred as the result of rainfall in excess of 44 millimetres over a consecutive 5 day period (EPL condition L2.5).

Monthly inspections of the quarry, including infrastructure and water management measures were conducted.

One non-compliance was raised in relation to implementation of the requirements Section 7.3 of the Water Management Plan.

- Monitoring results for surface water discharges on 24/10/2017 reported a pH reading of 8.6, which was outside of the range specified in the environmental protection licence of 6.5 to 8.5 (See Non-compliance-03).

3.8 Landscape and Rehabilitation Management Plan

Requirements of the Landscape and Rehabilitation Management Plan (LRMP) had generally been implemented. Clearing had recently been conducted under the guidance of a specialist consultant, EMM.

Skillset Environment Land Works had been engaged for collection of seeds, installation of nest boxes and planting of trees associated with the project. Tree planting had occurred in April, May, June and July 2018, and April 2019. Nest boxes were installed by Skillset in April 2019 in a variety of tree species in areas that have low hollow presence with the aim of encouragement of increased birdlife to help with pollination of the local Flora. No rehabilitation had been conducted during the period July 2019 to June 2020.

Subsequent to the previous audit, of the Landscape and Rehabilitation Management Plan (LRMP), the induction process was updated to include requirements of the LRMP.

Erosion and sediment controls had been established and maintained. It was noted during the site inspection that recent heavy rainfall had resulted in a build up of sediment in some sediment control dams on site. It was reported that cleaning out of sediment control structures would be conducted when safe access was available.

3.9 Noise Management Plan

A Noise Management Plan (NMP) had been updated to address the requirements of Conditions of Consent MOD1 and approved by DPI&E on 23/08/2019. The site had implemented measures to comply with site working hours, and noise monitoring had been conducted during operational periods of the quarry in accordance with the requirements of the noise management plan and the EPL. Noise monitoring results indicated the site was complying with noise limits.

One noise complaint had been received in relation to truck noise. Records were available to show that the site had identified and implemented appropriate measures to address the complaint. Noise monitoring conducted has shown that the site was complying with noise limits.

3.10 Blast Management Plan

A Blast Management Plan (BMP) had been developed and had been updated to comply with the requirements of Conditions of Consent MOD2. The BMP was submitted to and approved by DPIE (V11, approved 23/08/19). The audit found that the site was in compliance with requirements of the Blast Management Plan. Blasting had been undertaken in accordance with the requirements of the management plan, including monitoring of blasts. Blast records were available, and no exceedances of blast criteria had been recorded.

The Blast Management Plan requires all personnel and contractors working at the Quarry undergo an induction which includes information on the blast management while working on the site. Records of inductions were available.

3.11 Biodiversity Offset Management Plan

While a Biodiversity Offset Management Plan had been developed, arrangements to provide appropriate long-term security for the Biodiversity Offset Strategy were yet to be finalised. Extensions

of time for retiring credits had been granted by DPIE, with the current extension requiring the credits to be retired by 31 October 2020.

3.12 Silver Leaved Mountain Gum Management Plan

A Silver Leaved Mountain Gum Management Plan had been approved by the Commonwealth Department of Energy and the Environment. Rehabilitation of the riparian area had been conducted, with 2000 Eucalyptus Pulverenta having been planted. No planting had occurred during the 2019-2020 period due to an extended period of dry weather.

3.13 Transport Management Plan

A Transport Management Plan and Driver Code of Conduct (TMP) had been updated to address the requirements of Conditions of Consent MOD2 and approved on 23/08/2019.

The audit found compliance with the requirements of the TMP. Records of truck movements were maintained from weighbridge information, which showed truck movements were compliant with site requirements. No complaints in relation to truck movements had been received.

Records of driver inductions, including the driver code of conduct, were available, and vehicle inspection checks had been conducted to verify compliance with site requirements.

No non-compliances were identified.

3.14 Environmental Management Strategy

An Environmental Management Strategy (EMS) had been developed and implemented for the site. The EMS had been updated to address the requirements of Conditions of Consent MOD2 approved by DPI&E on 23/08/2019.

During the audit inspection it was noted that the hard copy files of the MSDSs stored at the site had not been updated recently. Some of the records were greater than 5 years old. This non-compliance issue was raised in the previous audit and remains open (See Non-compliance-07).

3.15 Areas of Non-compliance

Issue No.	Condition	Requirement	Issue sighted and Recommendation
01	Schedule 3 2A	The Applicant must carry out the development in accordance with the conditions of this consent.	The site was not compliant with the requirements of Schedule 3-11, Schedule 3-16, Schedule 5-3 or Schedule 5-6. As such, the site was considered non-compliant with Condition Schedule 3-2A.
02	Schedule 3 11	The Applicant must: <ul style="list-style-type: none"> implement best practice management to minimise the dust emissions of the development; regularly assess meteorological and air quality monitoring data and relocate, modify and/or stop operations on site to ensure compliance with the air quality criteria in this consent; minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see note under Table 4); 	Monitoring was not conducted for PM10/ TSP during the period 24/10/17 to 2/01/18, due to equipment failure. Recommendation: Consider providing alternative monitoring equipment during periods when equipment is under repair.

		<ul style="list-style-type: none"> monitor and report on compliance with the relevant air quality conditions in this consent; (f) minimise the area of surface disturbance and undertake progressive rehabilitation of the site, to the satisfaction of the Secretary. 	
03	Schedule 3 16 EPL12323 L2.4	The Applicant must comply with the discharge limits in any EPL, or Section 120 of the POEO Act.	Monitoring results for surface water discharges on 24/10/2017 reported a pH reading of 8.6, which was outside of the range specified in the environmental protection licence (6.5 to 8.5). Subsequent to the incident, a pH meter has been purchased and used for measuring pH prior to discharge. Recommendation: No further action required.
04	Schedule 5 3 EPL12323 L2.4 EPL12323 M2.3	The Applicant must assess and manage development-related risks to ensure that there are no exceedances of the criteria and/or performance measures in Schedule 3. Any exceedance of these criteria and/or performance measures constitutes a breach of this consent and may be subject to penalty or offence provisions under the EP&A Act or EP&A Regulation. Where any exceedance of these criteria and/or performance measures has occurred, the Applicant must, at the earliest opportunity: <ul style="list-style-type: none"> take all reasonable and feasible steps to ensure that the exceedance ceases and does not reoccur; consider all reasonable and feasible options for remediation (where relevant) and submit a report to the Department describing those options and any preferred remediation measures or other course of action; and implement remediation measures as directed by the Secretary; to the satisfaction of the Secretary.	The site had provided a report to the Department for the following occurrences: <ul style="list-style-type: none"> pH of water discharged on 24/10/2017 did not comply with the limits identified in the EPL (L2.4) air quality monitoring was not conducted during the period 24/10/2017 to 2/01/2018 (equipment breakdown) Water quality monitoring was not conducted at Points 2 and 3 during the discharge event on 10/02/2020 (due to safety concerns - river in flood). Recommendation: Where an exceedance of the criteria and/or performance measures in Schedule 3 has occurred, Hy-tec should provide a report to the Department describing preferred remediation measures or other course of action.
05	Schedule 5 6 EPL 12323 M2.3	The Applicant must immediately notify the Secretary and any other relevant agencies of any incident. Within 7 days of the date of the incident, the Applicant must provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested. Water monitoring at Points 2 and 3 conducted monthly and daily during discharge from Point 1 for: <ul style="list-style-type: none"> Oil and Grease / PH / Total suspended solids 	The following non-compliances with EPL conditions had not been immediately reported to the Department: <ul style="list-style-type: none"> pH of water discharged on 24/10/2017 did not comply with the limits identified in the EPL (L2.4) air quality monitoring was not conducted during the period

			<p>24/10/2017 to 2/01/2018 (equipment breakdown)</p> <ul style="list-style-type: none"> Water quality monitoring was not conducted at Points 2 and 3 during the discharge event on 10/02/2020 (due to safety concerns - river in flood). <p>Recommendation: Incidents, including noncompliance with EPL conditions, should be reported to the Secretary in accordance with the requirements of Condition Schedule 5-6.</p>
06	Water Access Licence 25615 MW0036-00002	The volume of water taken in any three (3) consecutive water years from 1 July 2012 must be recorded in the logbook at the end of those three water years. The maximum volume of water taken in any three (3) consecutive water years permitted to be taken in those years must also be recorded in the logbook.	<p>While a logbook was maintained, The 3 year cumulative average and the maximum volume of water permitted to be taken in those years was not recorded in the logbook.</p> <p>Recommendation: Amend the logbook to include recording of the 3 year cumulative volume and the maximum volume of water permitted to be taken.</p>
07	Schedule 5 1 Environmental Management Strategy 3.4	Update Material Safety Data Sheet Register – Event based or annually.	<p>During the audit inspection it was noted that the hard copy files of the MSDSs stored at the site had not been updated recently. Some of the records were greater than 5 years old. This non-compliance issue was raised in the previous audit and remains open.</p> <p>Recommendation: Safety data sheets should be updated whenever changes occur or at least every 5 years. The most recent version of safety data sheets should be retained.</p>

3.16 Areas of compliance

All other relevant conditions audited were found to be either compliant or not triggered. Refer to the audit checklist provided as an attachment for full details of compliance.

4 CONCLUSIONS

Hy-Tec had developed and generally implemented management plans and associated documentation to address the requirements of the conditions of consent.

While compliance with aspects of the conditions of the project approval and management plans was found, six non-compliances were raised where compliance with requirements of the conditions of consent or management plans prepared for the site was not demonstrated. Two non-compliances were identified with the EPL, and one non-compliance in relation to water access licences.

Hy-Tec should consider recommendations provided in this report to identify and implement actions to address the findings contained within this audit to enable compliance with all obligations and ensure environmental impacts of the developments are appropriately managed.

ATTACHMENTS

- ✓ **Substantive Changes**
- ✓ **Auditor CV**
- ✓ **Audit Checklists**

CIRCULATION

- ✓ **Hy-Tec Concrete and Aggregates**
- ✓ **AQUAS Pty Ltd**

5 Substantive Changes.

No substantive changes were made to the audit report as a result of review of the draft audit report.

Appendix A. - Previous Audit Findings

Areas of Non-compliance

Issue No.	Condition	Requirement	Issue sighted	Hy-Tec Response	Status
N-01	Environmental Management Strategy 3.3	<p>A training package detailing the importance of observing all environmental safeguards and outlining the potential environmental impacts will be implemented for all personnel working on-site. This may be done at the following stages:</p> <ul style="list-style-type: none"> • At the commencement of employment as part of the employee's site induction and safety procedures briefing. • At least every 24 months thereafter. • At any stage, should there be a change in operational procedures 	A definitive training package had not been prepared and implemented.	<p>Hy-Tec requires all employees and contractors to undergo site-specific training and induction processes. However, to date these processes have focused on operational information. Drivers are required to review and sign a Driver Code of Conduct and are subject to the Hy-Tec Chain of Responsibility – Driver / Vehicle Checks standard. It is acknowledged that these processes have not included specific environmental management induction components to date.</p> <p>Hy-Tec has updated the induction module for all personnel and contractors working on site to ensure ongoing compliance with this condition and for awareness of all safety and environmental items pertaining to the site. This module is provided as Attachment A – Austen Quarry Site-Specific Training Package, and includes the following documents:</p> <ul style="list-style-type: none"> • Attachment A1 – AQ Site Specific Training Package Cover page (check sheet) • Attachment A2 – AQ Site Specific Safety Induction • Attachment A3 – AQ Site Specific Environmental Management Induction 	<p>Training package developed. Records of training verified during site audit. Closed</p>

Issue No.	Condition	Requirement	Issue sighted	Hy-Tec Response	Status
N-02	Environmental Management Strategy 3.4	Visual inspections of stormwater, sediment and erosion control prior to, and following wet season and/or major rainfall events (>25mm in 24hours)	Records do not demonstrate inspections of sediment and erosion control had been conducted prior to high rainfall events.	<p>Daily inspections and bi-monthly audits are undertaken at the Quarry that are designed for supervisors and managers to inspect the whole of site and to bring attention to items in need of repair, such as the water management structures. However, aspects of these inspections relating to inspection prior to or following significant rainfall events have not been formally documented to demonstrate compliance with this requirement.</p> <p>To bring heightened awareness and focus to the condition of these water management structures, Hy-Tec has implemented the AQ Heavy Rainfall Inspection Worksheet.</p>	<p>AQ Heavy Rainfall Inspection Worksheet completed prior to and following significant rainfall events.</p> <p>Verified during site audit</p> <p>Closed</p>

<p>N-03</p>	<p>Environmental Management Strategy 3.4</p>	<p>Prevent the spread of weeds through site by: Visual weed inspections of machinery entering site; and Quarterly weed inspections of the site.</p>	<p>Inspections required to be conducted for the management of weeds had not been completed. No records were available for inspection of machinery entering site.</p> <p>Quarterly weed inspections had not been conducted.</p>	<p>Weed management at the Quarry has been undertaken on an ad hoc basis in the past, generally in response to identified weed infestations and in conjunction with the land owner, who has significant holdings of pastoral land nearby. Weed management in the Biodiversity Offset Area has also not commenced as an agreement with the landowner regarding use of this land as an offset area is yet to be finalised (expected September 2018). Aerial spraying for serrated tussock occurred in November 2016 in conjunction with the land owner and had moderate success, with hand spraying of Serrated Tussock, African Love Grass and Blackberry bush being undertaken during December 2017 in various accessible areas around the site. Further aerial spraying has been programmed for February 2018 for Serrated Tussock</p> <p>Weed inspections are conducted annually by an experienced ecologist during ecological surveys of the Quarry. Visual inspections of the Quarry by Quarry Management have occurred but not on a formal basis and the process has not been documented to date. In addition, Quarry personnel and management are generally aware of local weeds that might be found in the area, and search for these whilst conducting regular site inspections.</p> <p>It is acknowledged that a more regular and site-specific weed management program is needed to satisfy the conditions of consent and approved Landscape Management Plan. Hy-Tec has developed an <i>AQ Weed Identification Manual</i> intended to be used as an internal training tool and reference to assist with on-site identification of weeds. In addition, the <i>AQ Environmental Inspection Check List</i> includes quarterly formal weed inspections that will be undertaken by Quarry Management.</p>	<p>Records available to show <i>AQ Environmental Inspection Check List</i> was completed quarterly.</p> <p>AQ Mobile Plant and Equipment Access to Site Checklist had been completed for plant and equipment coming on to site.</p> <p>Closed</p>
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Issue No.	Condition	Requirement	Issue sighted	Hy-Tec Response	Status
				<p>Inspections of equipment entering and exiting site are conducted by Quarry personnel, however specific documented evidence of inspection for soil and weeds had not been included on the inspection sheet. The AQ Mobile Plant and Equipment Access to Site Checklist has been updated to include these as inspection items and will be kept as documented evidence of this.</p>	
N-04	<p>Environmental Management Strategy 6.10.5</p>	<p>Employees should be able to recognise existing and potential weeds present on-site and within the surrounding area to ensure they are not inadvertently brought in via items contaminated by seed</p>	<p>No records to demonstrate that workers had been trained in the identification of weeds on site.</p>	<p>As described in the response to Issue N-03 in Section 2.1.3, weed identification is conducted annually during ecological surveys and Quarry personnel are generally aware of local weeds that might be found in the area. However, no documented evidence of official training in identification of these weeds had been developed. As such the AQ Weed Identification Manual has been developed and Quarry Management or their delegate shall be trained in this manual before performing quarterly inspections to ensure on-going compliance.</p>	<p>Training records were available to verify Quarry Management or their delegate had been trained. Closed</p>
N-05	<p>Environmental Management Strategy 6.11.5</p>	<p>Have markers, fencing or flagging been provided around vegetation to be protected or areas undergoing rehabilitation?</p>	<p>Markers, fencing or flagging had not been provided around vegetation to be protected or areas undergoing rehabilitation.</p>	<p>Sensitive areas of vegetation and rehabilitation, along with approved access tracks and directive to stay on these tracks at all times unless in an emergency is enforced in the "AQ Site Specific Environmental Management Induction". As the Biodiversity Offset Area is yet to be secured, there has not been a requirement to mark, fence or flag this area. However, once any rehabilitation area is established it shall be marked, fenced or flagged as practically applicable to ensure compliance with this item.</p>	<p>Biodiversity offset area yet to be established. Site induction includes awareness of conservation area/ rehabilitation areas. Closed</p>

Issue No.	Condition	Requirement	Issue sighted	Hy-Tec Response	Status
N-06	Water Access Licence 25616 MW0017-00023	From 1 July 2011, water must not be taken from the Dharabuladh Management Zone of the Upper Nepean and Upstream Warragamba Water Source when flows are in the Very Low Flow Class, which means that the flow at Coxs River at the Island Hill gauge [No. 212045] is: A. equal to or less than 17 ML/day on a rising river, or B. equal to or less than 15 ML/day on a falling river. This restriction does not apply if water is to be taken from a runoff harvesting dam or an in-river dam pool.	Visual observation of water flow in the river was recorded at the commencement of pumping. The flow at the Island Hill gauge was not verified prior to pumping.	In the past, Quarry personnel have used visual observations to judge if flow levels within the Coxs River were suitable for water to be extracted. While it is acknowledged that this method does not provide an accurate estimate to water flow, the flow readings sourced from the Department of Industry – Water online services for the days on which water was extracted indicates that water has not been extracted during low flow periods. It is noted that the Department of Industry – Water provides flow data on its website and through the Water Live App. This information will be checked for all future pumping activity and the relevant data included in AQ Water Pumping Log Book.	AQ Water Pumping Log Book completed, including flow data from the DoL- Water website. Closed

Areas of Administrative Non-compliance

Issue No.	Condition	Requirement	Issue sighted	Hy-Tec Response	Status
A-01	Administrative Controls 18	By 30 September 2015, unless otherwise agreed with the Secretary, the Applicant shall: (a) engage a registered surveyor to mark out the boundaries of the approved limits of extraction within the development area; and (b) submit a survey plan of these boundaries with applicable GPS coordinates to the Secretary.	Survey not completed by 30 September 2015. This was raised as an administrative non-compliance by DPE in an audit in November 2015.	This issue has been addressed previously to the satisfaction of the Secretary of DPE.	Closed

Issue No.	Condition	Requirement	Issue sighted	Hy-Tec Response	Status
A-02	Administrative Controls 20	<p>Within 6 months of the date of this consent, unless otherwise agreed by the Secretary, the Applicant shall enter into a planning agreement with the Council in accordance with division</p> <ul style="list-style-type: none"> • Division 6 of Part 4 of the EP&A Act; and • the terms specified in Appendix 7. 	<p>While discussions on the VPA had commenced with Council on 7/08/15, the voluntary planning agreement had not been entered into with Council within 6 months of the date of the consent.</p>	<p>While it is acknowledged that this is not compliant with Condition 20 of Schedule 2 of SSD 6084, it is noted while there were delays in finalising the VPA agreement, the in principal agreement had been reached, however due to a range of factors including Council governance the formally signed document was not finalised in the timeframe. The VPA has since been finalised and implemented by both parties.</p>	Closed
A-03	<p>Schedule 3 - Environmental Performance Conditions 4</p> <p>Schedule 5- Environmental Management, Reporting and Auditing 10</p> <p>Noise Management Plan 8.4.3</p>	<p>The Applicant shall:</p> <p>(a) implement best practice management to minimise the operational and road transportation noise of the development;</p> <p>(b) minimise the noise impacts of the development during meteorological conditions when the noise criteria in this consent do not apply (see Appendix 5);</p> <p>(c) carry out noise monitoring (at least every 6 months, unless otherwise approved by the Secretary) to determine whether the development is complying with the relevant conditions of this consent; and</p> <p>(d) regularly assess noise monitoring data and modify and/or stop operations on site to ensure compliance with the relevant conditions of this consent, to the satisfaction of the Secretary.</p>	<p>Noise monitoring had not been conducted on a six monthly basis. Noise monitoring conducted September 2016 and September 2017.</p>	<p>The second of the biannual compliance noise monitoring campaigns was overlooked for early 2017. Hy-Tec became aware of this omission during preparation of the 2017 Annual Review and notified the Department of Planning and Environment with the submission of the review. In order to ensure that this is not overlooked in the future, Hy-Tec now requests annual proposals from the relevant noise consultant that include monitoring in March/April and September/October each year. Hy-Tec acknowledges that it has not satisfied commitments to stakeholders with regards to demonstrating compliance with the approved noise limits in SSD 6084 during the 2016-2017 reporting period. In order to demonstrate compliance conclusively, three compliance noise monitoring campaigns have been commissioned over the next 12 months with an additional monitoring campaign scheduled for early December 2017.</p> <p>It should be acknowledged that the monitoring in September 2016 and more recently in September / October 2017 continues to demonstrate that operational noise at the Quarry is rarely audible at the closest privately-owned residences.</p>	<p>Noise monitoring had been conducted on a six monthly basis since the previous audit.</p> <p>Closed</p>

Issue No.	Condition	Requirement	Issue sighted	Hy-Tec Response	Status
A-04	Schedule 5- Environmental Management, Reporting and Auditing 8	<p>Within a year of the date of this consent, and every 3 years thereafter, unless the Secretary directs otherwise, the Applicant shall commission and pay the full cost of an Independent Environmental Audit of the development. This audit must:</p> <p>(a) be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;</p> <p>(b) include consultation with the relevant agencies;</p> <p>(c) assess the environmental performance of the development and whether it is complying with the relevant requirements in this consent and any relevant EPL or necessary water licences for the development (including any assessment, strategy, plan or program required under these approvals);</p> <p>(d) review the adequacy of strategies, plans or programs required under the abovementioned approvals; and</p> <p>(e) recommend appropriate measures or actions to improve the environmental performance of the development, and/or any assessment, strategy, plan or program required under the abovementioned approvals.</p>	<p>The approval of the auditor, and hence commissioning of the Independent Environmental Audit had not been completed by 15/09/17.</p>	<p>Hy-Tec notes that the text of Condition 8 of Schedule 5 of SSD 6084 refers to commissioning of the audit. Although it is acknowledged that the Department holds a different view, Hy-Tec had commissioned the auditor (Mr James Hart) by this date and considers that this satisfies the requirements of this condition.</p>	<p>Approval of the auditor for the current audit provided 9/06/2020. Closed</p>

Issue No.	Condition	Requirement	Issue sighted	Hy-Tec Response	Status
A-05	Landscape and Rehabilitation Management Plan 8.3.1.1	Signs will be placed on selected survey markers to highlight the ecological sensitivity of the BOA to contractors and staff.	Signs have not been installed at this stage. Noted that while a biodiversity offset area had been identified, the biodiversity offset strategy had not been finalised at the time of audit.	This requirement refers to management of the approved Biodiversity Offset Area. Hy-Tec is in the process of reviewing options available to the Company to satisfy the offsetting obligations resulting from the Austen Quarry Extension Project. The offsetting requirements are also the subject of a proposed modification to SSD 6084 that may result in the boundary of the approved Biodiversity Offset Area being modified. Until the offsetting mechanism is finalised and approved, signage and exclusion zones will not be established. However, Hy-Tec has developed the AQ Site-Specific Environmental Management Induction process for personnel involved in disturbance activities that may have potential to impact conservation areas. This induction includes educating the relevant personnel and / or contractors of the conservation areas in the vicinity of the operational areas of the Quarry. An induction / training check list is provided.	Biodiversity offset area yet to be established. Site induction includes awareness of conservation area/ rehabilitation areas. Closed
A-06	Landscape and Rehabilitation Management Plan 8.3.2 Biodiversity Offset Management Plan 3.3	Monthly boundary inspections and any breaches rectified within 4 weeks.	Reported to have been completed however no records available.	Inspections of the Quarry boundary occur regularly during normal operational site inspections, however, this process has not previously been documented and therefore Hy-Tec was unable to demonstrate compliance in this regard during the audit inspection. Following the audit inspection, the AQ Environmental Inspection Check List was compiled for all activities requiring at least monthly inspection. A monthly inspection of Quarry boundaries and internal fences will now be documented through this process.	Records were available to show that the AQ Environmental Inspection Check List was completed monthly. Closed

Issue No.	Condition	Requirement	Issue sighted	Hy-Tec Response	Status
A-07	Landscape and Rehabilitation Management Plan 8.3.2	Implement an access track management strategy.	Development of the access track management strategy had not commenced at time of audit.	<p>As described in the response to Issue N-05 in Section 2.1.5, sensitive areas of vegetation and rehabilitation, along with approved access tracks and directive to stay on these tracks at all times unless in an emergency is described in the “AQ Site Specific Environmental Management Induction”.</p> <p>While site personnel have generally been made aware of the approved access tracks and limitations with regards areas of access, this process has not been formalised in induction or training processes. The AQ Site Specific Environmental Management Induction has been developed to include reference to existing access tracks and advises personnel of restricted areas of the Quarry.</p>	<p>AQ Site Specific Environmental Management Induction has been developed to include reference to existing access tracks and advises personnel of restricted areas of the Quarry.</p> <p>Closed</p>
A-08	Landscape and Rehabilitation Management Plan 8.4.1.4 8.4.1.5	Vegetation will be cleared in a way that maximises the opportunity for recycling Operators will be instructed to handle soil as little as possible.	No evidence of communication of requirements for vegetation clearing and soil stripping to operators	<p>Operating procedures have been communicated to Quarry personnel in the past through site-specific training and induction processes. However, it is acknowledged that this process has not been formalised or documented to provide clear communication between Quarry Management and personnel involved in vegetation clearing and soil stripping activities.</p> <p>The AQ Vegetation, Topsoil and Overburden Stripping Procedures check list has been prepared to address this issue. This document provides Quarry personnel with a step by step procedure and includes items to be considered in the process such as information on timing, fauna management and other procedures.</p>	<p>AQ Vegetation, Topsoil and Overburden Stripping Procedures check list sighted.</p> <p>Vegetation clearing and Topsoil Stripping procedure included in induction.</p> <p>Closed</p>

Issue No.	Condition	Requirement	Issue sighted	Hy-Tec Response	Status
A-09	Landscape and Rehabilitation Management Plan 8.4.1.5	To ensure the value of the soils to be disturbed is maximised, the following management measures will be implemented for topsoil stripping, stockpile management and soil respreading.	Evidence that the requirements for the management of disturbed soils had been communicated to workers involved in the activities was not available.	<p>The value of topsoil in the ongoing revegetation activities is recognised, with topsoil generally stripped and placed directly in areas undergoing rehabilitation. However, as with the procedures for vegetation clearing (see Section 2.2.8) it is acknowledged that this process has not been formalised or documented to provide clear communication between Quarry Management and personnel involved in soil stripping and stockpiling activities.</p> <p>The AQ Vegetation, Topsoil and Overburden Stripping Procedures check list has been prepared to address this issue. This document provides Quarry personnel with a step by step procedure and includes items to be considered in the process such as stripping depths, stockpiling height and management</p>	<p>AQ Vegetation, Topsoil and Overburden Stripping Procedures check list sighted.</p> <p>Induction updated to include Topsoil Stripping Procedure.</p> <p>Closed</p>
A-10	Noise Management Plan 8.4.3	Attended noise monitoring will be undertaken using a hand-held noise meter. The maximum (L_{Amax}), and the energy equivalent (L_{Aeq}) intrusive noise level over a 15 minute measurement period will be recorded. If necessary, other descriptors such as L_{A10} , L_{A50} , L_{A90} , L_{A99} and L_{Amin} could also be recorded. Wherever possible, the L_{A90} noise level (i.e. without contributions from Quarry activities) will be recorded to identify the prevailing a background noise level.	<p>Attended monitoring conducted on an annual basis. Conducted September 2016 and September 2017. $L_{Aeq15min}$ reported.</p> <p>L_{Amax} not reported in September 2016 Noise report.</p>	The compliance noise monitoring report by Todoroski Air Sciences in October 2016 did include the L_{MAX} recorded during the attended noise monitoring periods, however did not explicitly state this as the L_{MAX} , but referred to dominant or significant noise sources recorded. Regardless, both the L_{MAX} and L_{90} were recorded during the monitoring campaign and the compliance noise monitoring report has been updated to include this information. The updated report is available from the Hy-Tec website.	<p>L_{MAX} reported in all subsequent Noise Reports.</p> <p>Closed</p>

Issue No.	Condition	Requirement	Issue sighted	Hy-Tec Response	Status
A11	Noise Management Plan 8.6	A noise monitoring report will be prepared by the person or company responsible for the monitoring within 7 days of each attended noise monitoring event.	Noise monitoring reports had not been provided within 7 days of each noise monitoring event.	It is acknowledged that this requirement was not satisfied for either of the compliance noise monitoring reports prepared for the Quarry under SSD 6084. It is also noted that this requirement is not within the conditions of consent for SSD 6084 or in the EPL 12323 but is included in the approved Noise Management Plan to ensure that reporting is finalised and presented on the Hy-Tec website in a timely manner. However, it is now recognised that 7 days is not a practical length of time to permit the noise consultant to complete their internal quality control reviews and for the report to proceed through the Hy-Tec internal review and quality control process before being approved for release on the Hy-Tec website. It is proposed that once this audit report and response have been approved by DPE, the Noise Management Plan would be updated to modify this requirement to a more reasonable time, such as one month.	Requirement to provide the report within 7 days removed from Noise Management Plan. Closed
A12	Biodiversity Offset Management Plan 3.3	Clearly delineated conservation exclusion zones within and around the existing Quarry and Stage 2 Extension will be implemented following approval of the BOMP to exclude movement of vehicles, plant and staff within rehabilitation areas and the BOA.	Markers, fencing or flagging had not been provided around vegetation to be protected or areas undergoing rehabilitation.	Please see response to Issue A-05 in Section 2.2.5.	Biodiversity offset area yet to be established. Site induction includes awareness of conservation area/ rehabilitation areas. Closed

Issue No.	Condition	Requirement	Issue sighted	Hy-Tec Response	Status
A13	Silver Leaved Mountain Gum Management Plan 4.6	Are the requirements of Section 4.6 of the SLMGMP for the replanting of rehabilitation areas communicated to workers?	While Section 4.6 of the SLMGMP provides requirements for the replanting and rehabilitation of disturbed areas, a rehabilitation procedure for was not available, and evidence that the requirements of Section 4.6 had been communicated to workers involved in rehabilitation was not available.	Requirements for replanting and maintenance of planted areas within the Quarry are communicated verbally by Quarry Management to the relevant contractors and internally for visual inspection and maintenance of the replanted areas. It is acknowledged that this process has not previously been documented and therefore it is not possible to demonstrate that this information is being made available to personnel and contractors. Contractors providing plants for the Austen Quarry will be provided with a copy of the Landscape Management Plan that includes specific requirements with regards to species selection and plant growth prior to planting. The AQ Revegetation Monitoring Record has been prepared that will be completed for all replanted areas and covers monitoring at one month, three months, six months and 12 months' intervals. After this time replanted areas will be incorporated into the annual ecological surveys. The monitoring record includes review of plant condition, herbivory and notes for actions needed.	Quarry induction updated to include requirements of the Silver Leaved Mountain Gum Management Plan. Closed

Issue No.	Condition	Requirement	Issue sighted	Hy-Tec Response	Status
A-14	Environmental Management Strategy 3.4	Update Material Safety Data Sheet Register – Event based or annually.	While a hazardous chemicals register including safety data sheets was available, some SDS provided were greater than 5 years old.	<p>During the audit inspection it was noted that the hard copy files of the MSDSs stored at the site had not been updated recently. Quarry Management have access to the most recent MSDS via online database and therefore always have the most recent version available when/if needed and use this as required. As such the need for hard copy versions of the MSDSs is mostly redundant, it was acknowledged during the audit inspection that having two different sources available on site may be confusing, especially if one is no longer up to date.</p> <p>Hy-Tec has reviewed the hard copy MSDS records held at the Quarry and updated these to include the most recent and relevant version of the relevant sheet.</p>	<p>Hazardous substances register available. Noted that some SDS were still greater than 5 years old.</p> <p>Remains open.</p>
A-15	Environmental Management Strategy 3.4	Confirm sufficient spill response equipment is supplied and properly maintained - Quarterly or following use of a spill kit.	While Spill kits had been provided, no records of inspection of the spill kits available.	<p>Quarry Management are notified after any use of a spill kit, and they are inspected and replenished directly after any use. However, this process has not previously been documented and therefore Hy-Tec was unable to demonstrate compliance in this regard during the audit inspection. Following the audit inspection, the AQ Environmental Inspection Check List was compiled for all activities requiring at least monthly inspection. This check list is provided as Attachment D. A quarterly inspection of all existing spill kits and availability of spill kits will now be documented through this process.</p>	<p>Records available to show AQ <i>Environmental Inspection Check List</i> was completed quarterly.</p> <p>Closed</p>

Issue No.	Condition	Requirement	Issue sighted	Hy-Tec Response	Status
A-16	Environmental Management Strategy 3.4	Stormwater captured within any bunding is to be removed as soon as practicable after a rain event and disposed of as contaminated water. Spills within bunded areas must be cleaned up as soon as practicable	Small volume of diesel in sump under diesel tank. Bunded area had not been maintained to ensure spills within the bund are quickly cleaned up and removed.	While it is noted that diesel was observed within the sump under the diesel tank during the audit inspection, this observation is considered to demonstrate the effective function of the sump and bunding. Minor spills of hydrocarbons are a common occurrence when refuelling large items of equipment such as that used at the Quarry. While all spills are cleaned up immediately, spills captured in purpose built sumps shall be cleaned out when practical or required. The fuel and oil storage location on site is contained within a bunded and weather protected shed, stopping rain from having potential to spread spills or flood capture sumps.	All bunds sighted during the site inspection conducted for the current audit were clear of diesel. Closed
A-17	Environmental Management Strategy 6.9.6	Bi-annual weed inspection and herbicide treatment program shall be undertaken or as required.	While an annual inspection had been conducted by Onsite Environmental, weed inspections were not conducted on a bi-annual basis.	Please see response to Issue N-03 in Section 2.1.3.	Records available to show AQ Environmental Inspection Check List was completed quarterly. Closed

Issue No.	Condition	Requirement	Issue sighted	Hy-Tec Response	Status
A-18	Environmental Management Strategy 6.12.6	The Quarry Manager to undertake a visual assessment annually to assess adequacy of the bushfire control measures implemented.	No records to show that a specific annual visual assessment has been conducted to assess the adequacy of bushfire control measures.	<p>Visual inspections of the bush fire readiness of the Quarry are undertaken on an ad hoc basis and not formalised or documented and therefore Hy-Tec was unable to demonstrate compliance in this regard during the audit inspection. Particular focus is given to these inspections in the months prior to and during the 'fire season', which is recognised to be September/October to 31 March (start of is seasonally dependant) in the Hartley area. There have not been any bush fire incidents at the Quarry in the past, however the Quarry has provided assistance with bush fire fighting in the Blue Mountains, mostly through access to water resources.</p> <p>Following the audit inspection, the AQ Environmental Inspection Check List was compiled for all activities requiring at least monthly inspection. An inspection of fuel sources within fire breaks/buffer zones and water availability for fire-fighting purposes will now be documented through this process.</p>	Records available to show AQ Environmental Inspection Check List was completed quarterly. Closed

Issue No.	Condition	Requirement	Issue sighted	Hy-Tec Response	Status
A-19	Water Access Licence 25616 MW2337-00001	<p>The following information must be recorded in the logbook for each period of time that water is taken:</p> <p>A. date, volume of water, start and end time when water was taken as well as the pump capacity per unit of time, and</p> <p>B. the access licence number under which the water is taken, and</p> <p>C. the approval number under which the water is taken, and</p> <p>D. the volume of water taken for domestic consumption and/or stock watering.</p>	<p>Water access licence was included in the logbook.</p> <p>While a logbook was maintained which included meter reading, river flow and time recorded at the commencement of pumping, the start and end time was not always recorded.</p>	<p>A log book record of water pumped from Coxs River under licence has been maintained at the Quarry, however it is acknowledged that not all details required by Water Access Licence 25616 were recorded in this process. It is noted that a photo of the meter was recorded for each pumping event and that critical information regarding the volume of water extracted was available for calculation of the annual water access volumes and these did not exceed the licenced volumes.</p> <p>The water pumping log book has been updated to record all information required by Water Access Licence 25616.</p>	<p>Log book had been updated and maintained.</p> <p>Closed</p>

Issue No.	Condition	Requirement	Issue sighted	Hy-Tec Response	Status
A-20	Water Access Licence 37423 DS2431-00001	Within 6 months of granting this approval, a monitoring plan to measure the water table, groundwater and surface water quality must be submitted to, and approved by, the relevant licensor, Parramatta Office.	While a Water monitoring program has been developed and approved for the site, the Water Monitoring Plan had not been submitted to and approved by NOW within 6 months of granting of the licence.	<p>It is noted that this requirement is a condition of Water Supply Works Approval 10WA119180 that was issued on 25 March 2015. The Stage 2 Extension Project was approved on 15 July 2015 and focus was placed on the Surface Water Audit and Water Management Improvement Program required under Condition 17, 18 and 19 of Schedule 2 of SSD 6084 and the Water Management Plan required under Condition 20 of Schedule 2 of SSD 6084. The requirements of SSD 6084 were given priority by Hy-Tec. The Water Management Plan was approved on 16 October 2017 and includes a comprehensive monitoring plan for groundwater levels and for groundwater and surface water quality. The Water Management Plan was prepared in consultation with the Department of Industry – Water and comments received by the Department were addressed in the final version submitted to DPE. At no time was this monitoring plan mentioned during consultation with the Department of Industry – Water.</p> <p>This requirement was overlooked due to a focus on addressing the requirements of SSD 6084 and reliance upon the comments provided by Department of Industry – Water during consultation and the not unreasonable expectation that all requirements would be noted by Department of Industry – Water in their feedback to Hy-Tec.</p>	Water Monitoring Program included in the Water Management Plan which had been reviewed by Dept of Industry-Water. Closed

Appendix B. – Auditor Approval



Mr Hung Tu
Project Manager Hy-Tec Industria Pty Ltd
PO Box 6770
Silverwater NSW 1811

09/06/2020

Dear Mr Hung

**Austen Quarry (SSD 6084)
Independent Audit Team Endorsement**

I refer to your letter dated 1 June 2020 seeking the Secretary's endorsement for an audit team to undertake the Independent Environmental Audit (audit) in accordance with Schedule 5 Condition 8 of Project Approval SSD 6084 for the Austen Quarry.

Having considered the qualifications and experience of the Australian Quality Assurance & Superintendence Pty Ltd (AQUAS) audit team, namely;

- James Hart
- Annabelle Tungol

the Secretary endorses the appointment of this team to undertake the audit in accordance with the approval. This approval is conditional on the audit team being independent of the development. The Department reserves the right to request an alternate auditor or audit team for future audit.

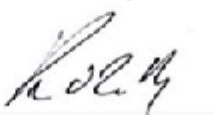
Please ensure this correspondence is appended to the Independent Audit Report.

The Independent Audit must be prepared, undertaken and finalised in accordance with the *Independent Audit Post Approval Requirements*. Failure to meet these requirements will require revision and resubmission. Prior to submitting the audit report, it is recommended that Hy-Tec review the report to ensure it complies with the relevant approval condition.

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


If you wish to discuss the matter further, please contact Jennifer Rowe on (02) 4247 1851.

Yours sincerely




Katrina O'Reilly
Team Leader - Compliance
Compliance

Appendix C. – Audit Tables

AUDIT CHECKLIST: Conditions of Approval – SSD 6084 Mod 2 15/07/2019		
Project: AQ1279	Company: Hy-Tec – Austen Quarry	

1 Audit Checklist –Development Consent SSD-6084 Mod 2

AQUAS Audit Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
Schedule 3– Administrative Conditions					
Obligation to Minimise Harm to the Environment					
1.	1	In addition to meeting the specific performance measures and criteria established under this consent, the Applicant must implement all reasonable and feasible measures to prevent and/or minimise any material harm to the environment that may result from the construction, operation, or rehabilitation of the development.	No material harm to the environment as a result of the operations had been reported.	Compliant	
Terms of Consent					
2.	2	The Applicant must carry out the development generally in accordance with the: (a) EIS, SEE (Mod 1) and SEE (Mod 2); and (b) Statement of Commitments. Note: The statement of commitments is reproduced in Appendix 3.	Results of this audit show that the development has been carried out in general accordance with requirements.	Compliant	
3.	2A	The Applicant must carry out the development in accordance with the conditions of this consent.	Five non-compliances have been raised in relation to the conditions of approval. Hence, the development is not considered to have been carried out in accordance with the conditions of consent.	Not Compliant	01
4.	3	If there is any inconsistency between the above documents, the most recent document must prevail to the extent of the inconsistency. However, the conditions of this consent must prevail to the extent of any inconsistency.	No inconsistencies have been identified.	Not Triggered	

AUDIT CHECKLIST: Conditions of Approval – SSD 6084 Mod 2 15/07/2019		
Project: AQ1279	Company: Hy-Tec – Austen Quarry	

AQUAS Audit Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
5.	4	The Applicant must comply with any reasonable requirement/s of the Secretary arising from the Department’s assessment of: (a) any strategies, plans, programs, reviews, audits, reports or correspondence that are submitted in accordance with this consent; (b) any reviews, reports or audits undertaken or commissioned by the Department regarding compliance with this consent; or (c) the implementation of any actions or measures contained in these documents.	The audit results show that the applicant had complied with the requirements of the Secretary.	Compliant	
Lapsing of Consent					
6.	5	If the development has not been physically commenced within 5 years of the date of this consent, then this development consent must lapse.	Current development commenced on 16/09/16 (Council approval surrendered 15/09/16). Letter to Lithgow City Council sighted 15/09/16. Verified previous audit.	Compliant	
Limits of Consent					
7.	6	The Applicant must not extract extractive materials below a level of 685 m AHD.	The lowest depth within the extracted pit was 706.0 m AHD, 21 metres above the limit of 685 M AHD. No further work in Stage 1. Current works in Stage 2 – 761 m AHD.	Compliant	
8.	7	Quarrying operations may take place on site until 30 August 2050. <i>Note: Under this consent, the Applicant is required to rehabilitate the site and carry out additional undertakings to the satisfaction of the Secretary. Consequently, this consent will continue to apply in all other respects other than the right to conduct quarrying operations until the rehabilitation of the site and those undertakings have been carried out to a satisfactory standard.</i>	Current year 2020.	Compliant	

AUDIT CHECKLIST: Conditions of Approval – SSD 6084 Mod 2 15/07/2019

Project: AQ1279

Company: Hy-Tec – Austen Quarry

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AQUAS Audit Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
9.	8	The Applicant must not: (a) transport more than 1.6 million tonnes of quarry products from the site during any financial year; (b) dispatch more than 300 laden trucks from the site on weekdays and 167 laden trucks from the site on Saturdays; and (c) dispatch more than 200 laden trucks from the site per weekday, averaged over the total number of dispatch weekdays in any calendar month.	<p>2017-2018 - maximum daily trucks 158 on 18/12/2018. Average trucks per day 113. Average trucks per day averaged per month – maximum 119/ day in September and November 2018.</p> <p>2018-2019 – maximum daily trucks 158 on 18/12/2018. Average trucks per day 115. Average trucks per day averaged per month – maximum 119/ day in September and November 2018.</p> <p>2019-2020- maximum daily trucks 185 on 18/12/2019. Average trucks per day 101. Average trucks per day averaged per month – maximum 119/ day in December 2019.</p>	Compliant	
10.	9	<p>Within 12 months of the date of this consent, or as otherwise agreed by the Secretary, the Applicant must surrender the development consent (DA 103/94) for the existing operations on the site in accordance with Section 4.63 of the EP&A Act.</p> <p><i>Note: This requirement does not extend to the surrender of construction and occupation certificates for existing and proposed building works under Part 4A of the EP&A Act. Surrendering of consent should not be understood as implying that works legally constructed under a valid consent can no longer be legally maintained or used.</i></p>	<p>Consent date 15/07/15. DA103/94 surrendered 15/09/16.</p> <p>Two month extension granted to surrender the existing consent by 15/09/2016. Verified previous audit.</p>	Compliant	

AUDIT CHECKLIST: Conditions of Approval – SSD 6084 Mod 2 15/07/2019

Project: AQ1279

Company: Hy-Tec – Austen Quarry

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AQUAS Audit Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
11.	10	Prior to the surrender of the development consent DA 103/94, the conditions of this consent must prevail to the extent of any inconsistency with the conditions of development consent DA 103/94.	Development consent DA 103/94 surrendered prior to the period covered by this audit.	Compliant	
Structural Adequacy					
12.	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 Part 4A of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for the proposed building works; and • Part 8 of the EP&A Regulation sets out the requirements for the certification of the development or project.	No new buildings have been erected on site since commencement of work under the current consent	Not Triggered	
Demolition					
13.	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.	No demolition works has been conducted	Not Triggered	
Protection of Public Infrastructure					
14.	13	The Applicant must: (a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the development; and (b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development. Note: This condition does not apply to damage to roads caused as a result of general road usage.	No public infrastructure has been relocated or required repair as a result of the current development	Not Triggered	

AUDIT CHECKLIST: Conditions of Approval – SSD 6084 Mod 2 15/07/2019

Project: AQ1279

Company: Hy-Tec – Austen Quarry

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AQUAS Audit Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
Operation of Plant and Equipment					
15.	14	The Applicant must ensure that all the 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.	Maintenance records are available. Maintenance undertaken by Manufacturer Komatsu. e.g. Machine 2801-EX1 (PC850). Service records sighted for 250hr service, 5/07/2020, Vehicle 2801-L02 500 hr service 5/06/2020. Repair 9/06/2020 (Crawler Tracks)- as a result of fault report 1567 submitted by operator. Truck 2801-DU6 – 1000 hr 12/05/20 500 15/4/2020 250 3/03/2020. Required at least every 500hrs. Tyre inspection – 28/05/2020 Daily prestart records sighted in office.	Compliant	

AUDIT CHECKLIST: Conditions of Approval – SSD 6084 Mod 2 15/07/2019

Project: AQ1279

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AQUAS Audit Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
Updating and staging of strategies, plans or programs					
16.	15	<p>To ensure that strategies, plans and programs required under this consent are updated on a regular basis, and that they incorporate any appropriate additional measures to improve the environmental performance of the development, the Applicant may at any time submit revised strategies, plans or programs for the approval of the Secretary. With the agreement of the Secretary, the Applicant may also submit any strategy, plan or program required by this consent on a staged basis.</p> <p>With the agreement of the Secretary, the Applicant may prepare a revision of or a stage of a strategy, plan or program without undertaking consultation with all parties nominated under the applicable condition in this consent.</p> <p><i>Notes:</i></p> <ul style="list-style-type: none"> • <i>While any strategy, plan or program may be submitted on a staged basis, the Applicant will need to ensure that the existing operations on site are covered by suitable strategies, plans or programs at all times.</i> • <i>If the submission of any strategy, plan or program is to be staged; then the relevant strategy, plan or program must clearly describe the specific stage/s of the development to which the strategy, plan or program applies; the relationship of this stage/s to any future stages; and the trigger for updating the strategy, plan or program.</i> 	<p>Management plans have been prepared and submitted to DPI&E.</p>	Compliant	
17.	16	<p>Until they are replaced by an equivalent strategy, plan or program approved under this consent, the Applicant must implement the existing strategies, plans or programs for the site that have been approved under DA 103/94.</p>	<p>Management plans have continued to be implemented until replaced.</p>	Compliant	

AUDIT CHECKLIST: Conditions of Approval – SSD 6084 Mod 2 15/07/2019

Project: AQ1279

Company: Hy-Tec – Austen Quarry

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AQUAS Audit Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
18.	17	The Applicant must: (a) provide annual quarry production data to DRG using the standard form for that purpose; and (b) include a copy of this data in the Annual Review (see condition 4 of Schedule 5).	Included in Appendix E of the Annual review. Submitted on Form S1 – Return for Extractive Materials.	Compliant	
Identification of Approved Extraction Limits					
19.	18	By 30 September 2015, unless otherwise agreed with the Secretary, the Applicant must: (a) engage a registered surveyor to mark out the boundaries of the approved limits of extraction within the development area; and (b) submit a survey plan of these boundaries with applicable GPS coordinates to the Secretary.	Completed prior to previous audit.	Compliant	


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AQUAS Audit Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
20.	19	While quarrying operations are being carried out, the Applicant must ensure that these boundaries are clearly marked at all times in a manner that allows operating staff to clearly identify the approved limits of extraction.	<p>Markings have been provided to show boundaries. Survey mark with steel post inside the boundary.</p> <p>It was reported that, where works were nearing boundaries, additional hi visibility tape was provide to highlight the boundary.</p> 	Compliant	
Community Enhancement					
21.	20	<p>Within 6 months of the date of this consent, unless otherwise agreed by the Secretary, the Applicant must enter into a planning agreement with the Council in accordance with division</p> <ul style="list-style-type: none"> • Division 7.1 of Part 7 of the EP&A Act; and • the terms specified in Appendix 7. <p>If there is any dispute between the Applicant and Council on the planning agreement, then either party may refer the matter to the Secretary for resolution.</p>	Signed VPA sighted (10/08/16). Verified previous audit	Compliant	

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AQUAS Audit Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
Evidence of Consultation					
22.	21	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 to the Secretary for approval; and (b) provide details 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.	Evidence of consultation on preparation of management plans included in management plans. Commentary on consultation with EPA included in Section 1 Noise Management Plan. Regulatory Agency Consultation Log included in Water Management Plan (Attachment 1). Landscape and Rehabilitation Management Plan – Section 5 – Stakeholder Identification and Consultation	Compliant	
23.	22	References in the conditions of this consent to any guideline, protocol, Australian Standard or policy are to such guidelines, protocols, Standards or policies in the form they are in as the date of this consent.	Noted	Compliant	
24.	23	However, consistent with the conditions of this consent and without altering any limits or criteria in this consent, the Secretary may, when issuing directions under this consent in respect of ongoing monitoring and management obligations, require compliance with an updated or revised version of such a guideline, protocol, Standard or policy, or a replacement of them.	The Secretary has not issued any directions to comply with an updated or revised version of such a guideline, protocol, Standard or policy, or a replacement of them.	Not Triggered	


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AQUAS Audit Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
25.	24	The Applicant must ensure that all of its employees, contractors (and their sub-contractors) are made aware of, and are instructed to comply with, the conditions of this consent relevant to activities they carry out in respect of the development.	Item 19 of the Site Specific Induction includes reference to the site being a state significant development. Specific requirements are communicated based on the activities being conducted e.g. Stripping topsoil and moving/ placing. Induction included Vegetation clearing, Vegetation moving and placing, Topsoil stripping and placing, Overburden Management. Environmental Induction – e.g. DC (Carting topsoil).	Compliant	



AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #										
Schedule 3 - ENVIRONMENTAL PERFORMANCE CONDITIONS															
Noise															
26.	1	<p>The Applicant must comply with the operating hours set out in Table 1.</p> <p>Table 1 : Operating Hours</p> <table border="1"> <thead> <tr> <th>Activity</th> <th>Permissible Hours</th> </tr> </thead> <tbody> <tr> <td>• Extraction Operations • Processing Operations • Overburden Management • Stockpile Management</td> <td>• 6 am to 10 pm Monday to Friday; • 6 am to 3 pm Saturday; and • At no time on Sundays or public holidays.</td> </tr> <tr> <td>Blasting</td> <td>10 am to 3 pm Monday to Friday (except public holidays).</td> </tr> <tr> <td>Loading And Dispatch</td> <td>• 4 am to 10 pm Monday to Friday; • 5 am to 3 pm Saturdays; and • At no time on Sundays or public holidays.</td> </tr> <tr> <td>Maintenance</td> <td>Anytime</td> </tr> </tbody> </table>	Activity	Permissible Hours	• Extraction Operations • Processing Operations • Overburden Management • Stockpile Management	• 6 am to 10 pm Monday to Friday; • 6 am to 3 pm Saturday; and • At no time on Sundays or public holidays.	Blasting	10 am to 3 pm Monday to Friday (except public holidays).	Loading And Dispatch	• 4 am to 10 pm Monday to Friday; • 5 am to 3 pm Saturdays; and • At no time on Sundays or public holidays.	Maintenance	Anytime	<p>All truck loading managed by the CAS weighbridge system does not allow tare in of trucks before 5 am. System shuts down at 9.30pm to prevent movements out after 10pm. Crusher/ feeder has a lock down which prevents use between 9.45pm and 6.00am.</p> <p>Note:</p> <p>Work hours are 6am to 5pm, with a back shift working to 9pm. Working hours are communicated at induction.</p>	Compliant	
Activity	Permissible Hours														
• Extraction Operations • Processing Operations • Overburden Management • Stockpile Management	• 6 am to 10 pm Monday to Friday; • 6 am to 3 pm Saturday; and • At no time on Sundays or public holidays.														
Blasting	10 am to 3 pm Monday to Friday (except public holidays).														
Loading And Dispatch	• 4 am to 10 pm Monday to Friday; • 5 am to 3 pm Saturdays; and • At no time on Sundays or public holidays.														
Maintenance	Anytime														
27.	2	<p>The following activities may be carried out on the site outside the hours specified in condition 1:</p> <p>(a) delivery or dispatch of materials as requested by Police or other authorities; and</p> <p>(b) emergency work to avoid the loss of lives, property and/or to prevent environmental harm.</p> <p>In such circumstances, the Applicant must notify the Secretary and affected residents prior to undertaking the activities, or as soon as is practical thereafter.</p>	<p>No work outside of approved hours was reported to have been undertaken.</p>	Not triggered											

AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #										
Noise Impact Assessment Criteria															
28.	3	<p>The Applicant must ensure that the noise generated by the development does not exceed the criteria in Table 2 at any residence on privately-owned land.</p> <p>Table 2: Noise Criteria dB(A)</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th style="width: 15%;">Receiver</th> <th style="width: 15%;">Day dB(A) LAeq(15 min)</th> <th style="width: 15%;">Evening dB(A) LAeq(15 min)</th> <th style="width: 15%;">Morning Shoulder dB(A) LAeq(15 min)</th> <th style="width: 15%;">Morning Shoulder (Sleep Disturbance) LA max</th> </tr> </thead> <tbody> <tr> <td>All privately-owned residences</td> <td style="text-align: center;">35</td> <td style="text-align: center;">35</td> <td style="text-align: center;">35</td> <td style="text-align: center;">52</td> </tr> </tbody> </table> <p>Noise generated by the development must be measured in accordance with the relevant procedures and exemptions (including certain meteorological conditions) of the NSW Noise Policy for Industry (EPA, 2017). However, the noise criteria in Table 2 do not apply if the Applicant has an agreement with the relevant landowner to exceed the noise criteria, and the Applicant has advised the Department in writing of the terms of this agreement.</p>	Receiver	Day dB(A) LAeq(15 min)	Evening dB(A) LAeq(15 min)	Morning Shoulder dB(A) LAeq(15 min)	Morning Shoulder (Sleep Disturbance) LA max	All privately-owned residences	35	35	35	52	<p>Noise monitoring has been conducted by Muller Acoustic Consulting – 6/12/17 to 7/12/17. 3/04/18 to 4/04/2018. 28/08/2018 to 29/08/2018. 2/04/2019 to 3/04/2019. 5/09/2019 to 6/09/2019 12/03/2020 to 13/03/2020</p> <p>Both unattended and attended noise monitoring conducted. Report concluded that noise from the development was below 35dB(A). Noise monitoring conducted in August 2018 and subsequent has been conducted in accordance with the conditions of Consent MOD 2.</p>	Compliant	
Receiver	Day dB(A) LAeq(15 min)	Evening dB(A) LAeq(15 min)	Morning Shoulder dB(A) LAeq(15 min)	Morning Shoulder (Sleep Disturbance) LA max											
All privately-owned residences	35	35	35	52											

AUDIT CHECKLIST: Conditions of Approval – SSD 6084 Mod 2 15/07/2019		
Project: AQ1279	Company: Hy-Tec – Austen Quarry	

AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
Operating Conditions					
29.	4	<p>The Applicant must:</p> <ul style="list-style-type: none"> (a) implement best practice management to minimise the operational and road transportation noise of the development; (b) minimise the noise impacts of the development during noise-enhancing meteorological conditions when the noise criteria in this consent do not apply (see Appendix 5); (c) carry out attended noise monitoring (at least every 6 months, unless otherwise approved by the Secretary) to determine whether the development is complying with the relevant conditions of this consent; and (d) regularly assess noise monitoring data and modify and/or stop operations on site to ensure compliance with the relevant conditions of this consent, <p>to the satisfaction of the Secretary.</p> <p><i>Note: Required frequency of noise monitoring may be reduced if approved by the Secretary.</i></p>	<p>Noise monitoring conducted has not identified any exceedances of criteria. Controls have been identified and implemented for managing noise impacts during noise enhancing conditions.</p> <p>One noise complaint had been received in November 2017 related to a noisy truck.</p> <p>The complaint had been investigated and the source vehicle modified to reduce noise emissions (muffler system modified).</p>	Compliant	

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AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
Noise Management Plan					
30.	5	<p>The Applicant must prepare a Noise Management Plan for the development to the satisfaction of the Secretary. This plan must:</p> <ul style="list-style-type: none"> (a) be prepared in consultation with EPA; (b) be submitted to the Secretary at least 3 months prior to the commencement of quarrying operations under this consent, unless otherwise agreed by the Secretary; (c) describe the measures that would be implemented to ensure: <ul style="list-style-type: none"> • compliance with the noise criteria in this consent; • best practice management is being employed; and • the noise impacts of the development are minimised during noise-enhancing meteorological conditions; (d) describe the proposed noise management system; and (e) include a monitoring program: <ul style="list-style-type: none"> • to be implemented to measure noise from the development against the noise criteria in Table 2; • that includes annual noise monitoring at R24A, unless otherwise agreed with the Secretary; and • which evaluates and reports on the effectiveness of the noise management system on site. <p>The Applicant must implement the Noise Management Plan as approved by the Secretary.</p>	<p>Noise management plan developed and submitted to the Secretary Version 1 15/06/16 submitted to DPE.</p> <p>Updated to address requirements of MOD 2 conditions of approval. Approved 23/08/2019. Noise monitoring program included in Section 8.</p> <p>Section 8.6 – Evaluation of results. Included in Noise Report for each monitoring event.</p>	Compliant	



AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #											
Blasting Impact Criteria																
31.	6	<p>The Applicant must ensure that blasting on site does not cause any exceedance of the criteria in Table 3.</p> <p>Table 3: Blasting Criteria</p> <table border="1"> <thead> <tr> <th>Receiver</th> <th>Airblast overpressure (dB(Lin Peak))</th> <th>Ground vibration (mm/s)</th> <th>Allowable exceedance</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Any residence on privately-owned land</td> <td>120</td> <td>10</td> <td>0</td> </tr> <tr> <td>115</td> <td>5</td> <td>5% of the total number of blasts over a period of 12 months</td> </tr> </tbody> </table> <p>However, these criteria do not apply if the Applicant has a written agreement with the relevant landowner to exceed the limits in Table 3, and the Applicant has advised the Department in writing of the terms of this agreement.</p>	Receiver	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)	Allowable exceedance	Any residence on privately-owned land	120	10	0	115	5	5% of the total number of blasts over a period of 12 months	<p>Blast monitoring results show no exceedances of blasting criteria. Results provided in Appendix J of the Annual Review. Results on website up to 8/04/2020. Records for subsequent blasts on 25/05/2020 (Blast #189) and 16/06/2020 (Blast #190) sighted on day of audit. Vibration and noise levels were below set minimum levels required for a blast event.</p> <p>No complaints related to blasting have been received.</p>	Compliant	
Receiver	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)	Allowable exceedance													
Any residence on privately-owned land	120	10	0													
	115	5	5% of the total number of blasts over a period of 12 months													

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AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
Blasting Frequency					
32.	7	<p>The Applicant may carry out a maximum of 1 blast per calendar week, unless an additional blast is required following a blast misfire. This condition does not apply to blasts required to ensure the safety of the quarry or workers on site.</p> <p><i>Note: For the purposes of this condition, a blast refers to a single blast event, which may involve a number of individual blasts fired in quick succession in a discrete area of the quarry.</i></p>	<p>Reviewed summary of monitoring results for the period 2017 to June 2020.</p> <p>Blast planned for 27/07/2020 delayed due to weather conditions.</p> <p>Blast data shows 2 blasts per month generally conducted during the period. One instance where two blasts had occurred in the same calendar week, as the result of a misfire.</p> <p>All results were below blast criteria.</p>	Compliant	
Operating Conditions					
33.	8	<p>During blasting operations, the Applicant must:</p> <p>(a) implement best management practice to:</p> <ul style="list-style-type: none"> • protect the safety of people and livestock in areas surrounding blasting operations; • protect public or private infrastructure/property in the surrounding area from damage from blasting operations; and • minimise dust and fume emissions from blasting; <p>(b) operate a suitable system to enable the local community to get up-to-date information on the proposed blasting schedule on site; and</p> <p>(c) carry out regular monitoring to determine whether the development is complying with the relevant conditions of this consent, to the satisfaction of the Secretary.</p>	<p>Blasting conducted in accordance with the blast management plan.</p> <p>Reported that a letter drop conducted at least one week prior to each blast - Sighted letter 20/07/2020 for blast to be conducted on 27/07/2020.</p> <p>Monitoring data available for blasting. Published in EPL monitoring data on the project website.</p> <p>No exceedance of blast criteria had been recorded.</p>	Compliant	

AUDIT CHECKLIST: Conditions of Approval – SSD 6084 Mod 2 15/07/2019

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AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #															
Blast Management Plan																				
34.	9	<p>The Applicant must prepare and implement a Blast Management Plan for the development to the satisfaction of the Secretary. This plan must:</p> <p>(a) be submitted to the Secretary for approval within 3 months of the commencement of quarrying operations under this consent, unless otherwise agreed by the Secretary;</p> <p>(b) describe the measures that would be implemented to ensure compliance with the blast criteria and operating conditions of this consent;</p> <p>(c) include a monitoring program for evaluating and reporting on compliance with the blasting criteria in this consent;</p> <p>(d) include community notification procedures for the blasting schedule; and</p> <p>(e) include a protocol for investigating and responding to complaints.</p> <p>The Applicant must implement the Blast Management Plan as approved by the Secretary.</p>	<p>Blast Management Plan submitted 15/06/16.</p> <p>Blast Management Plan updated November 2018 to comply with Conditions of Consent MOD 1. Version 3 approved 23/08/2019 following MOD2 approval.</p>	Compliant																
Air Quality Impact Assessment Criteria																				
35.	10	<p>The Applicant must ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the development do not cause exceedances of the criteria in Table 4 at any residence on privately-owned land.</p> <p>Table 4: Air Quality Criteria</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Pollutant</th> <th style="text-align: center;">Averaging Period</th> <th style="text-align: center;">Criterion</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Particulate matter < 10 µm (PM₁₀)</td> <td style="text-align: center;">Annual</td> <td style="text-align: center;">^{a,d} 25 µg/m³</td> </tr> <tr> <td style="text-align: center;">Particulate matter < 10 µm (PM₁₀)</td> <td style="text-align: center;">24 hour</td> <td style="text-align: center;">^b 50 µg/m³</td> </tr> <tr> <td style="text-align: center;">Particulate matter < 2.5 µm (PM_{2.5})</td> <td style="text-align: center;">Annual</td> <td style="text-align: center;">^{a,d} 8 µg/m³</td> </tr> <tr> <td style="text-align: center;">Particulate matter < 2.5 µm (PM_{2.5})</td> <td style="text-align: center;">24 hour</td> <td style="text-align: center;">^b 25 µg/m³</td> </tr> </tbody> </table>	Pollutant	Averaging Period	Criterion	Particulate matter < 10 µm (PM ₁₀)	Annual	^{a,d} 25 µg/m ³	Particulate matter < 10 µm (PM ₁₀)	24 hour	^b 50 µg/m ³	Particulate matter < 2.5 µm (PM _{2.5})	Annual	^{a,d} 8 µg/m ³	Particulate matter < 2.5 µm (PM _{2.5})	24 hour	^b 25 µg/m ³	<p>Avoidance and mitigation measures are identified in the Air Quality Management Plan.</p> <p>No complaints have been recorded.</p> <p>Deposited dust monitored at 3 locations in accordance with the Air Quality Management Plan and EPL. Annual average levels have been below criterion.</p> <p>Particulate matter is measured using a PM₁₀ through a real time E sampler, with TSP calculated from PM₁₀ results.</p>	Compliant	
Pollutant	Averaging Period	Criterion																		
Particulate matter < 10 µm (PM ₁₀)	Annual	^{a,d} 25 µg/m ³																		
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		Total suspended particulates (TSP)	Annual	^{a,d} 90 µg/m ³	2017-2018 – equipment failure – reported as a non-compliance. Several exceedances of PM ₁₀ criteria had been reported. However, on all instances the exceedances were attributed to non-quarry related sources (e.g. Bushfires). No exceedances of air quality criteria as the result of quarry operations were recorded.	
		^c Deposited dust	Annual	^b 2 g/m ² /month ^{a,d} 4 g/m ² /month		
<p><i>Notes to Table 4:</i></p> <p><i>a Cumulative impact (i.e. increase in concentrations due to the development plus background concentrations due to all other sources).</i></p> <p><i>b Incremental impact (i.e. increase in concentrations due to the development alone, with zero allowable exceedances of the criteria over the life of the development).</i></p> <p><i>c 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></p> <p><i>d Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents or any other activity agreed by the Secretary.</i></p> <p><i>e “Reasonable and feasible avoidance measures” includes, but is not limited to, the operational requirements in conditions 11 and 12 to develop and implement an air quality management system that ensures operational responses to the risks of exceedance of the criteria.</i></p>						

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AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
Operating Conditions					
36.	11	<p>The Applicant must:</p> <p>(a) implement best practice management to minimise the dust emissions of the development;</p> <p>(b) regularly assess meteorological and air quality monitoring data and relocate, modify and/or stop operations on site to ensure compliance with the air quality criteria in this consent;</p> <p>(c) minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see note under Table 4);</p> <p>(d) monitor and report on compliance with the relevant air quality conditions in this consent;</p> <p>(f) minimise the area of surface disturbance and undertake progressive rehabilitation of the site, to the satisfaction of the Secretary.</p>	<p>Particulate matter is measured using a PM₁₀ through a real time E sampler, with TSP calculated from PM₁₀ results. 3 dust gauges installed and monitored. PM₁₀ data available online.</p> <p>No exceedances of the annual dust deposition criteria have occurred.</p> <p>TSP and PM₁₀ monitored continuously except during the period 24/10/17 to 2/01/18, due to equipment failure.</p> <p>Not originally raised as a non-compliance. Raised following submission of the Annual Review to DPIE.</p> <p>4 non-compliances identified in 2017-2018 period – not attributed to quarry operations.</p> <p>Several exceedances in December 2019 January 2020 due to bushfires, hence not classed as an incident.</p> <p>Surface disturbance has been minimised, and progressive rehabilitation conducted.</p>	Not Compliant	02

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Air Quality Management Plan					
37.	12	<p>The Applicant must prepare and implement an Air Quality Management Plan for the development to the satisfaction of the Secretary. This plan must:</p> <p>(a) be submitted to the Secretary for approval within 3 months of the commencement of quarrying operations under this consent, unless otherwise agreed by the Secretary;</p> <p>(b) describe the measures that would be implemented to ensure</p> <ul style="list-style-type: none"> • compliance with the air quality criteria and operating conditions of this consent; • best practice management is being employed; and • the air quality impacts of the development are minimised during adverse meteorological conditions and extraordinary events <p>(c) describe the proposed air quality management system;</p> <p>(d) include an air quality monitoring program that:</p> <ul style="list-style-type: none"> • is capable of evaluating the performance of the development; • includes a protocol for determining any exceedances of the relevant conditions of consent; • effectively supports the air quality management system; and • evaluates and reports on the adequacy of the air quality management system. <p>The Applicant must implement the Air Quality Management Plan as approved by the Secretary.</p>	<p>Air Quality Management Plan prepared. Updated November 2018 to comply with Conditions of Consent MOD 1. Version 3 approved 23/08/2019. following MOD2 approval.</p>	Compliant	
Meteorological Monitoring					
38.	13	<p>For the life of the development, the Applicant must ensure that there is a suitable meteorological station operating in the vicinity of the site that complies with the requirements in the Approved Methods for Sampling of Air Pollutants in New South Wales guideline.</p>	<p>Weather station provided on site.</p> <p>Monitors Wind speed, direction, temperature, Barometric Pressure, Rainfall, relative humidity.</p>	Compliant	

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Greenhouse Gas Emissions					
39.	14	The applicant must implement all reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site.	<p>Greenhouse gas emission mitigations measures have been identified in the Air Quality Management Plan.</p> <p>e.g. - Primary Conveyor has regenerative braking to return power to the system, reducing electricity generations requirements.</p> <p>The site had replaced two generators with a single generator which had reduced diesel usage.</p> <p>Periodic replacement of plant with improved technology to reduce emissions</p>	Compliant	
SOIL AND WATER					
Water Supply					
40.	15	<p>The Applicant must ensure that it has sufficient water for all stages of the development, and if necessary, adjust the scale of operations under the consent to match its available water supply, to the satisfaction of the Secretary.</p> <p><i>Note: Under the Water Act 1912 and/or the Water Management Act 2000, the Applicant is required to obtain the necessary water licences for the development, including in respect of the extraction and/or interception of groundwater.</i></p>	<p>Water balance had been included in the Water Management Plan.</p> <p>Water licence obtained for extraction of water from the Cox's River (Lic No WAL25616) and licence for groundwater extraction from the bottom of the pit (WAL37423).</p>	Not Compliant	

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Water Discharges					
41.	16	The Applicant must comply with the discharge limits in any EPL, or Section 120 of the POEO Act.	<p>Water quality results available. 2018-2019 – No non-compliances. One non-compliance identified in 2017-2018 period. pH reading on 24/10/2017 was 8.6, outside of the EPL limits of 6.5-8.5.</p> <p>Reported as a non-compliance in the EPL Annual Return, however had not been notified as an incident as per Schedule 5 Condition 6.</p> <p>TSS exceedance 10/02/2020. However, as rainfall was over 44mm in a 5 day rain event, this is not considered an exceedance of the licence.</p> <p>Noted July 2020 98mm rainfall occurred. TSS result of ~480 mg/L at TP 08. (River 61 mg/L).</p>	Not Compliant	03
Surface Water Audit and Water Management Improvement Program					
42.	17	<p>Within 3 months of the commencement of quarrying operations under this consent, the Applicant must commission independent surface water expert/s, approved by the Secretary, to undertake an audit of current and proposed surface water management practices and infrastructure on the site. The audit must:</p> <p>(a) be undertaken in consultation with EPA and WaterNSW;</p> <p>(b) fully describe and audit existing site water management practices and consider the EIS's proposed water management practices;</p>	<p>Surface Water Audit conducted by Groundwork Plus.</p> <p>Letter from DPI 14/07/16 acknowledging acceptance of the audit report.</p> <p>Verified previous audit.</p>	Compliant	

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		(c) identify all reasonable and feasible measures to improve surface water management on the site, with particular reference to opportunities to divert clean water away from the site; and (d) recommend design parameters for proposed water management systems on the site.			
43.	18	Unless otherwise agreed with the Secretary, the Applicant must submit the Surface Water Audit report to the Secretary within six months of commissioning the audit. The report must be accompanied by a Water Management Improvement Program, based on the report's recommendations, to improve surface water management practices on the site, including a program of proposed timeframes for implementation.	Surface audit report was provided to DPI on 15/07/16. Water Management Improvement Program included in submission with the audit report. Verified previous audit.	Compliant	
44.	19	The Applicant must implement the Water Management Improvement Program to the satisfaction of the Secretary	Email 10/10/17 showed that 4 of 6 items had been completed – A1 and K1.	Compliant	
Water Management Plan					
45.	20	The Applicant must prepare and implement a Water Management Plan for the development to the satisfaction of the Secretary. This plan must: (a) be prepared by suitably qualified person/s approved by the Secretary; (b) be prepared in consultation with the EPA, DoI and WaterNSW; (c) be submitted to the Secretary for approval at least 3 months prior to the commencement of quarrying operations under this consent, unless otherwise agreed by the Secretary; (d) include a: (i) Site Water Balance that includes: o details of: • sources and security of water supply; • water use and management on site; • any off-site water transfers; and • reporting procedures.	Water Quality Management Plan approved 16/10/17. Initial submission on 15/06/16. Quarrying operations commenced 16/09/16 under current consent. Water Quality Management Plan updated to comply with Conditions of Consent MOD 1. Version 11 approved 23/08/2019 following MOD2 approval.	Compliant	

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		<ul style="list-style-type: none"> ○ measures that would be implemented to minimise clean water use on site; (ii) Surface Water Management Plan, that includes: <ul style="list-style-type: none"> ○ detailed baseline data on surface water flows and quality in water bodies that could potentially be affected by the development; ○ a detailed description of the surface water management system on site including the: <ul style="list-style-type: none"> ● clean water diversion system; ● erosion and sediment controls; ● dirty water management system; and ● water storages; and ○ a program to monitor and report on: <ul style="list-style-type: none"> ● any surface water discharges; ● the effectiveness of the water management system; and ● surface water flows and quality in local watercourses; (iii) Groundwater Management Plan, that includes: <ul style="list-style-type: none"> ○ baseline data on groundwater levels, yield and quality in local aquifers and privately-owned groundwater bores that could be potentially affected by the development; ○ a program to monitor and report on groundwater inflows to the quarry pit and the impacts of the development on surrounding aquifers and privately-owned groundwater bores; and ○ an analysis of these monitoring results to predict long-term water levels within the quarry void; and (iv) Surface and Ground Water Contingency Strategy, that includes: <ul style="list-style-type: none"> ○ a protocol for the investigation, notification and mitigation of identified impacts on surface water flows and quality in water bodies and/or groundwater levels, yield and quality in local aquifers and privately-owned groundwater bores that could be potentially affected by the development; and ○ the procedures that would be followed if any unforeseen impacts are detected during the development. <p>The Applicant must implement the Water Management Plan as approved by the Secretary.</p>			

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Transport					
Monitoring of Product Transport					
46.	21	The Applicant must keep accurate records of all truck movements to and from the site (hourly, daily, and weekly, monthly and annually) and publish a summary of records on its website every 6 months.	Truck movement records up to February 2020 were published on the company website. CAS/SAP Quarries Weighbridge System used for monitoring truck movements to and from the site. Includes date and time, truck details, weight, time loaded, delivery address.	Compliant	
Operating Conditions					
47.	22	The Applicant must ensure that: (a) all reasonable measures are taken such that laden trucks have appropriate signage, including a contact phone number, so they can be easily identified by road users; (b) all laden trucks entering or exiting the site have their loads covered; (c) all laden trucks exiting the site are cleaned of material that may fall on the road, before leaving the site; and (d) no trucks queue at the entrance to the site before 4 am on weekdays and 5 am on Saturday.	Audit process implemented to verify trucks have appropriate signage. Verified for trucks sighted on day of audit. Register sighted for 2020. Shows 16/mth completed Jan-July 2020. Sighted Driver Vehicle Inspection – Tipper 28/07/2020. Minimum of 16/mth required to be completed. Records reviewed audits conducted in accordance with the schedule.	Compliant	

AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
48.	22A	In 2022, and every 2 years thereafter, unless RMS directs otherwise, the Applicant must, in consultation with RMS, undertake monitoring of intersection performance at the Jenolan Caves Road and Great Western Highway intersection. Within 2 months of completing this monitoring, the results must be provided to RMS.		Not Triggered	
Transport Management Plan					
49.	23	<p>The Applicant must prepare a Transport Management Plan for the development to the satisfaction of the Secretary. This plan must: (a) be submitted to the Secretary for approval at least 3 months prior to the commencement of quarrying operations under this consent, unless otherwise agreed by the Secretary;</p> <p>(b) describe the measures that would be undertaken to monitor the intersection performance at the Jenolan Caves Road and Great Western Highway intersection and maintain an acceptable level of service at this intersection;</p> <p>(c) include a Drivers' Code of Conduct that includes:</p> <ul style="list-style-type: none"> • details of the safe and quiet driving practices that must be used by drivers travelling to and from the quarry, with a particular focus on the morning shoulder period; • a map of the primary haulage route; • safety initiatives for haulage during peak periods and along school bus routes; • an induction process for vehicle operators and regular toolbox meetings; and • complaints resolution and disciplinary procedures; <p>(d) describe the measures that would be put in place to ensure compliance with the Drivers' Code of Conduct.</p> <p>The Applicant must implement the Transport Management Plan as approved by the Secretary.</p>	<p>Traffic Management Plan prepared and submitted to DP&E 15/06/16. Version 3 approved November 2016. Quarrying operations commenced 16/09/16 under current consent. Traffic Management plan updated November 2018 to comply with Conditions of Consent MOD 1. Version 3 approved 23/08/2019. Drivers Code of Conduct provided in Attachment A- Updated to include additional requirements of MOD 1. Version 4 approved 23/08/2019 following MOD2 approval. Section 13 – Competence Awareness and Training. Driver induction process verified – Sighted CG Topline Tippers 27/07/20. Daily toolbox meetings and monthly toolbox meetings for site vehicle operators. Specific messages for truck drivers were reported to be conveyed through</p>	Compliant	

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			the CAS system, which is sighted on sign in to the CAS system.											
Aboriginal Heritage														
50.	24	If any item or object of Aboriginal heritage significance is identified on site, the Applicant must ensure that: 24. (a) all work in the immediate vicinity of the suspected Aboriginal item or object ceases immediately; (b) a 10 m buffer area around the suspected item or object is cordoned off; and (c) the OEH is contacted immediately. Work in the vicinity of the Aboriginal item or object may only recommence in accordance with the provisions of Part 6 of the <i>National Parks and Wildlife Act 1974</i> .	Reported that no items or objects have been found. Requirements are communicated at training on site. e.g. 17/07/20 – Aboriginal Cultural Heritage training provided by Quarry Manager.	Not Triggered										
LANDSCAPE AND REHABILITATION														
Biodiversity Credits Required														
51.	25	<p>Within 12 months of the approval of Modification 1, or other timeframe agreed by the Secretary, the Applicant must retire the biodiversity credits specified in Table 4A below.</p> <p><i>Table 4A: Biodiversity credits to be retired</i></p> <table border="1"> <thead> <tr> <th>Credit Type</th> <th>Offset Type</th> <th>Number of Credits</th> </tr> </thead> <tbody> <tr> <td>Ecosystem Credit</td> <td>PCT 1093 – Red Stringybark – Brittle Gum – Inland Scribbly Gum dry open forest of the tablelands, South Eastern Highlands Bioregion</td> <td>649</td> </tr> <tr> <td>Ecosystem</td> <td>PCT 649 – Apple Box – Broad-</td> <td>131</td> </tr> </tbody> </table>	Credit Type	Offset Type	Number of Credits	Ecosystem Credit	PCT 1093 – Red Stringybark – Brittle Gum – Inland Scribbly Gum dry open forest of the tablelands, South Eastern Highlands Bioregion	649	Ecosystem	PCT 649 – Apple Box – Broad-	131	Biodiversity credits not retired at time of audit. 6 month extension granted by DPIE on 26/06/19 (required by 15/02/2020). Further extension provided by DPIE to 31 October 2020 (provided 22/06/2020)	Not Triggered	
Credit Type	Offset Type	Number of Credits												
Ecosystem Credit	PCT 1093 – Red Stringybark – Brittle Gum – Inland Scribbly Gum dry open forest of the tablelands, South Eastern Highlands Bioregion	649												
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		Credit	leaved Peppermint dry open forest of the South Eastern Highlands Bioregion							
		Ecosystem Credit	PCT 840 – Forest Red Gum – Yellow Box woodland of dry gorge slopes, southern Sydney Basin Bioregion and South-Eastern Highlands Bioregion	60						
		Species Credit	Silver-leaved Mountain Gum (<i>Eucalyptus pulverulenta</i>)	10,784						
<p>The retirement of the credits in Table 4A must be carried out in consultation with OEH and in accordance with the Biodiversity Offsets Scheme of the BC Act, to the satisfaction of the BCT.</p> <p>Note: The credits in Table 4A were calculated in accordance with the Framework for Biodiversity Assessment of the NSW Biodiversity Offset Policy for Major Projects (OEH, 2014) and may need to be converted to reasonably equivalent 'biodiversity credits', within the meaning of the BC Act, to facilitate retirement.</p>										
Security of Offsets										
52.	26	Deleted								
Rehabilitation Objectives										
53.	27	<p>The Applicant must rehabilitate the site to the satisfaction of the Secretary. This rehabilitation must be generally consistent with the rehabilitation strategy in the documents listed in condition 2 of Schedule 2 and the conceptual final landform in Appendix 4 and must comply with the objectives in Table 5.</p> <p><i>Table 5: Rehabilitation Objectives</i></p> <table border="1"> <thead> <tr> <th>Feature</th> <th>Objective</th> </tr> </thead> <tbody> <tr> <td>Site (as a whole)</td> <td>• Safe, stable and non-polluting</td> </tr> </tbody> </table>		Feature	Objective	Site (as a whole)	• Safe, stable and non-polluting	<p>Limited rehabilitation has occurred on site.</p> <p>Rehabilitation of the area surrounding the viewing platform had been undertaken.</p> <p>Rehabilitation of the riparian area had been conducted.</p> <ul style="list-style-type: none"> • 2000 E. Pulverenta 	Compliant	
Feature	Objective									
Site (as a whole)	• Safe, stable and non-polluting									

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	<ul style="list-style-type: none"> 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 DRG agrees otherwise														
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Final Void	<ul style="list-style-type: none"> Minimise the size, depth and slope of the batters of the final void Minimise the drainage catchment of the final void 														
Progressive Rehabilitation															
54.	28	<p>The Applicant must rehabilitate the site progressively, that is, as soon as reasonably practicable following disturbance. All reasonable and feasible measures must be taken to minimise the total area exposed for dust generation at any time. Interim stabilisation measures must be implemented where reasonable and feasible to control dust emissions in disturbed areas that are not active and which are not ready for final rehabilitation.</p> <p><i>Note: It is accepted that parts of the site that are progressively rehabilitated may be subject to further disturbance in future.</i></p>	<p>Limited rehabilitation has occurred on site. Rehabilitation of the area surrounding the viewing platform had been undertaken. See rehab report</p>	Compliant											
Landscape and Rehabilitation Management Plan															
55.	29	<p>The Applicant must prepare a Landscape and Rehabilitation Management Plan for the development to the satisfaction of the Secretary. This plan must:</p>	<p>Landscape and Rehabilitation Management Plan submitted 15/06/2016.</p>	Compliant											

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		<p>(a) be prepared in consultation with OEH and be submitted to the Secretary for approval at least 3 months prior to the commencement of quarrying operations under this consent, unless the Secretary agrees otherwise;</p> <p>(b) provide details of the conceptual final landform and associated land uses for the site;</p> <p>(c) describe how the implementation of any land based offset (including Conservation Area H, shown in Appendix 2) would be integrated with the overall rehabilitation of the site;</p> <p>(d) include detailed performance and completion criteria for evaluating the performance of any land based offset and rehabilitation of the site, including triggers for any necessary remedial action;</p> <p>(e) describe the short, medium and long term measures that would be implemented to:</p> <ul style="list-style-type: none"> • manage remnant vegetation and habitat on site, including within any land based offset; and • ensure compliance with the rehabilitation objectives and progressive rehabilitation obligations in this consent; <p>(f) include a detailed description of the measures that would be implemented over the next 3 years (to be updated for each 3 year period following initial approval of the plan) including the procedures to be implemented for:</p> <ul style="list-style-type: none"> • maximising the salvage of environmental resources within the approved disturbance area, including tree hollows, vegetative and soil resources, for beneficial reuse in the enhancement of the offset area or site rehabilitation; • restoring and enhancing the quality of native vegetation and fauna habitat in the biodiversity and rehabilitation areas through assisted natural regeneration, targeted vegetation establishment and the introduction of fauna habitat features; • protect, conserve, propagate, plant and/or regenerate Silver-leaved Mountain Gum (<i>Eucalyptus pulverulenta</i>) (including the propagation and planting of at least 1,000 individuals of this species); 	<p>Quarrying operations commenced 16/09/16 under current consent.</p> <p>Landscape and Rehabilitation Management Plan updated December 2018 to comply with Conditions of Consent MOD 1.</p> <p>Version 2.2 approved 06/09/2019 following MOD2 approval.</p> <p>Land based offset identified as addressed in Section 8.1.</p> <p>Clearing Report Stage 2 - 1 August 2019 -Austen Quarry, Hartley NSW sighted for clearing of 7 habitat trees on 1/08/2019.</p> <p>Pre-clearing Survey Stage 2 Strip 4-1 August 2019 -Austen Quarry, Hartley NSW sighted for to ground truth vegetation within the proposed clearing zone, and to determine if vegetation within the survey areas contained any fauna habitat, such as tree hollows or logs, and to identify any additional mitigation measures that may be required during mitigation works.</p>		

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		<ul style="list-style-type: none"> • protecting vegetation and fauna habitat outside the approved disturbance area on-site; • minimising the impacts on native fauna, including undertaking pre-clearance surveys; • establishing vegetation screening to minimise the visual impacts of the site on surrounding receivers; • ensuring minimal environmental consequences for threatened species, populations and habitats; • collecting and propagating seed; • controlling weeds and feral pests; • controlling erosion; • controlling access; and • managing bushfire risk; <p>(g) include a program to monitor and report on the effectiveness of these measures, and progress against the performance and completion criteria;</p> <p>(h) identify the potential risks to the successful implementation of any land based offset, and include a description of the contingency measures that would be implemented to mitigate these risks; and</p> <p>(i) include details of who would be responsible for monitoring, reviewing, and implementing the plan.</p> <p>The Applicant must implement the Landscape and Rehabilitation Management Plan as approved by the Secretary.</p>			
Conservation and Rehabilitation Bond					
56.	30	Within 6 months of the approval of the Landscape Management Plan, the Applicant must lodge a Conservation and Rehabilitation Bond with the Department to ensure that any land based offset and rehabilitation of the site are implemented in accordance with the performance and completion criteria set out in the plan and relevant conditions of this consent. The sum of the bond must be determined by:	Rehabilitation bond submitted – DP&E approval of the Rehabilitation bond calculation was provided 25/07/17.	Compliant	

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		<p>(a) calculating the full cost of implementing any land based offset over the next 3 years;</p> <p>(b) calculating the cost of rehabilitating the site, taking into account the likely surface disturbance over the next 3 years of quarrying operations; and</p> <p>(c) employing a suitably qualified quantity surveyor or other expert to verify the calculated costs, to the satisfaction of the Secretary.</p> <p><i>Notes:</i></p> <ul style="list-style-type: none"> • <i>Alternative funding arrangements for long term management of any land based offset, can be used to reduce the liability of the conservation and rehabilitation bond.</i> • <i>If capital and other expenditure required by the Landscape Management Plan is largely complete, the Secretary may waive the requirement for lodgement of a bond in respect of the remaining expenditure.</i> • <i>If any land based offset and rehabilitation of the site area are completed to the satisfaction of the Secretary, then the Secretary will release the bond. If any land based offset and rehabilitation of the site are not completed to the satisfaction of the Secretary, then the Secretary will call in all or part of the bond, and arrange for the completion of the relevant works.</i> 	<p>Agreement for DPIE for Nick Warren of RW Corkery & Co Pty Ltd to complete the estimate of the bond.</p> <p>Letter sighted from DPIE 25/07/17 requiring the Rehabilitation bond to be lodged no later than the 22/08/2017.</p> <p>Bank guarantee showed Bond lodged 17/08/17.</p> <p>Acknowledgement of receipt by DPIE provided 23/08/17.</p>		
57.	31	<p>Within 3 months of each Independent Environmental Audit (see condition 8 of Schedule 5), the Applicant must review, and if necessary revise, the sum of the Conservation and Rehabilitation Bond to the satisfaction of the Secretary. This review must consider the: (a) effects of inflation;</p> <p>(b) likely cost of implementing any land based offset and rehabilitating the site (taking into account the likely surface disturbance over the next 3 years of the development); and</p> <p>(c) performance of the implementation of any land based offset and rehabilitation of the site to date.</p>	<p>The rehabilitation bond was approved by DPIE on 25 July 2017 and a guarantee was signed and lodged on 17 August 2017 and DPIE confirmed receipt on 23 August 2017. The last IEA was undertaken on 17 October 2017. Given the short time between the approval of the bond and the IEA (technically undertaken within 3 months of the IEA) the rehabilitation bond did not require update following the IEA in 2017.</p>	Not Triggered.	

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Visual					
58.	32	The Applicant must implement all reasonable and feasible measures to minimise the visual and off-site lighting impacts of the development to the satisfaction of the Secretary.	Lights used on site are focussed to walking/ working areas to minimise light glow. No complaints have been received re lighting.	Compliant	
Waste					
59.	33	The Applicant must: (a) manage on-site sewage treatment and disposal in accordance with the requirements of its EPL, and to the satisfaction of the EPA and Council; (b) minimise the waste generated by the development; (c) ensure that the waste generated by the development is appropriately stored, handled, and disposed of; and (d) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary.	Onsite sewage collected in a septic tank and disposed of offsite. Facilities for the management of waste on site were provided. Waste management included in Section 5.7 of the Annual Review.	Compliant	
60.	34	Except as expressly permitted in an EPL, the Applicant must not receive waste at the site for storage, treatment, processing, reprocessing or disposal.	Concrete waste has been received in accordance with EPL. 805.43 Tonnes received in 2019. Nil received 2018 or 2017 (EPL permits receipt of up to 50000T).	Compliant	
Liquid Storage					
61.	35	The Applicant must ensure that all tanks and similar facilities for storage of liquids (other than for water) are protected by appropriate bunding, which must exceed 110% of the stored volume of the liquid.	An enclosed storage shed was provided for storage of chemicals, oils and diesel on site.	Compliant	

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Dangerous Goods					
62.	36	The Applicant must ensure that the storage, handling, and transport of dangerous goods is done in accordance with the relevant Australian Standards, particularly AS1940 and AS1596, and the Dangerous Goods Code.	Materials sighted were stored in general accordance with AS1940. No inappropriate storage of hazardous substances or dangerous goods were identified.	Compliant	
Bushfire					
63.	37	The Applicant must: (a) ensure that the development is suitably equipped to respond to any fires on site; (b) assist the Rural Fire Service and emergency services as much as possible if there is a fire in the vicinity of the site; and (c) prepare a Bush Fire Emergency Evacuation Plan in accordance with the NSW Rural Fire Service document, <i>Guide for Developing a Bush Fire Emergency Evacuation Plan</i> , to the satisfaction of the Secretary.	Bush Fire/ Flood Evacuation Plan prepared – HTQY-S-HSE-097 (Appendix 11J of the Safety Management Plan) updated Feb 2020. Water truck has a cannon for use in firefighting. Dedicated tank for firefighting purposes. Fire extinguishers provided at suitable locations. Fire suppression installed on some vehicles. Electrical control room is fitted with fire suppression system. Quarry Manager reported that he was deputy captain of the Lowther Hampton Bushfire brigade. RFS in attendance at site – 14/10/2018. Open day and RFS site tour and discussion on site facilities.	Compliant	

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Schedule 4 –Additional Procedures					
NOTIFICATION OF LANDOWNERS					
64.	1	As soon as practicable after obtaining monitoring results showing: (a) an exceedance of any relevant criteria in Schedule 3, the Applicant must notify the affected landowners in writing of the exceedance, and provide regular monitoring results to each affected landowner until the development is again complying with the relevant criteria; and (b) an exceedance of any relevant air quality criteria in Schedule 3, the Applicant must send a copy of the NSW Health fact sheet entitled “Mine Dust and You” (as may be updated from time to time) to the affected landowners and current tenants of the land (including the tenants of land which is not privately-owned).	No instances where landowners have been required to be notified of an exceedance.	Compliant	
INDEPENDENT REVIEW					
65.	2	If an owner of privately-owned land considers the development to be exceeding the relevant criteria in Schedule 3, then he/she may ask the Secretary in writing for an independent review of the impacts of the development on his/her land. If the Secretary is satisfied that an independent review is warranted, then within 2 months of the Secretary’s decision, the Applicant must: (a) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Secretary, to: <ul style="list-style-type: none"> • consult with the landowner to determine his/her concerns; • conduct monitoring to determine whether the development is complying with the relevant criteria in Schedule 3; and • if the development is not complying with these criteria, then identify measures that could be implemented to ensure compliance with the relevant criteria; and (b) give the Secretary and landowner a copy of the independent review.	No requests for an independent review had been received.	Not Triggered	

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Schedule 5- Environmental Management, Reporting and Auditing					
ENVIRONMENTAL MANAGEMENT STRATEGY					
66.	1	<p>The Applicant must prepare an Environmental Management Strategy for the development to the satisfaction of the Secretary. This strategy must:</p> <p>(a) be submitted to the Secretary for approval within 6 months of the date of this consent;</p> <p>(b) provide the strategic framework for environmental management of the development;</p> <p>(c) identify the statutory approvals that apply to the development;</p> <p>(d) set out the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development;</p> <p>(e) set out the procedures to be implemented to:</p> <ul style="list-style-type: none"> • keep the local community and relevant agencies informed about the operation and environmental performance of the development; • receive, record, handle and respond to complaints; • resolve any disputes that may arise during the course of the development; • respond to any non-compliance and any incident; • respond to emergencies; and <p>(f) include:</p> <ul style="list-style-type: none"> • references to any strategies, plans and programs approved under the conditions of this consent; and • a clear plan depicting all the monitoring to be carried out under the conditions of this consent. <p>The Applicant must implement the Environmental Management Strategy as approved by the Secretary.</p>	<p>Environmental Management Strategy prepared.</p> <p>Initial version 1 submitted to DPE 14/12/18. Version 1.2 submitted 19/12/18.</p> <p>Current Version 2.1 approved 23/08/19.</p> <p>B – Section 3 – Strategic Framework for Environmental Management</p> <p>c – Section 2.3 Approvals, licences and permits</p> <p>d – 3.4 – Responsibility for Environmental Management</p> <p>e – Section 6 – Community Consultation</p> <p>Section 7 – Environmental Complaints and Dispute Resolution Process.</p> <p>Section 8 Incidents, Non-compliance and Emergency Management</p> <p>f – Section 3.2 – Environmental Management System Section 4 – Environmental Monitoring Strategy</p>	Compliant	
Management Plan Requirements					
67.	2	<p>The Applicant must ensure that the management plans required under this consent are prepared in accordance with any relevant guidelines, and include:</p>	<p>Management plans have been prepared, submitted and approved.</p>	Compliant	

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		<p>(a) a summary of relevant background or baseline data;</p> <p>(b) a description of:</p> <ul style="list-style-type: none"> • the relevant statutory requirements (including any relevant approval, licence or lease conditions); • any relevant limits or performance measures/criteria; and • the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measures; <p>(c) a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria;</p> <p>(d) a program to monitor and report on the:</p> <ul style="list-style-type: none"> • impacts and environmental performance of the development; and • effectiveness of any management measures (see (c) above); <p>(e) a contingency plan to manage any unpredicted impacts and their consequences and to ensure that ongoing impacts reduce to levels below relevant impact assessment criteria as quickly as possible;</p> <p>(f) a program to investigate and implement ways to improve the environmental performance of the development over time;</p> <p>(g) a protocol for managing and reporting any:</p> <ul style="list-style-type: none"> • incidents; • complaints; • non-compliances with statutory requirements; and • exceedances of the impact assessment criteria and/or performance criteria; and <p>(h) a protocol for periodic review of the plan.</p> <p><i>Note: The Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.</i></p>	Management plans updated following MOD2 approval.		
Adaptive Management					
68.	3	The Applicant must assess and manage development-related risks to ensure that there are no exceedances of the criteria and/or performance measures in Schedule 3. Any exceedance of these criteria and/or performance measures constitutes a breach of this consent and may be	TSP/PM ₁₀ exceedances – November 2019, January 2020 - bushfire related (an excluded extraordinary event). Reported to DPIE.		

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		<p>subject to penalty or offence provisions under the EP&A Act or EP&A Regulation.</p> <p>Where any exceedance of these criteria and/or performance measures has occurred, the Applicant must, at the earliest opportunity:</p> <p>(a) take all reasonable and feasible steps to ensure that the exceedance ceases and does not reoccur;</p> <p>(b) consider all reasonable and feasible options for remediation (where relevant) and submit a report to the Department describing those options and any preferred remediation measures or other course of action; and</p> <p>(c) implement remediation measures as directed by the Secretary; to the satisfaction of the Secretary.</p>	<p>pH exceedance 10/17. Not reported to DPIE at time of exceedance.</p> <p>TSP and PM10 results not available for the period 24/10/17 to 2/01/18, due to equipment failure. Not reported to DPIE.</p> <p>Water quality – Total Suspended Solids exceedance 10/02/2020 – not classed as exceedance as high rainfall event (44 mm rain had occurred).</p>	Not Compliant	04
Annual Review					
69.	4	<p>By the end of September each year, or other timing as may be agreed by the Secretary, the Applicant must review the environmental performance of the development to the satisfaction of the Secretary. This review must:</p> <p>(a) describe the development (including any rehabilitation) that was carried out in the previous financial year, and the development that is proposed to be carried out over the current financial year;</p> <p>(b) include a comprehensive review of the monitoring results and complaints records of the development over the previous financial year, which includes a comparison of these results against the:</p> <ul style="list-style-type: none"> • relevant statutory requirements, limits or performance measures/criteria; • requirements of any plan or program required under this consent; • monitoring results of previous years; and • relevant predictions in the documents listed in condition 2 of Schedule 2; <p>(c) identify any non-compliance over the past financial year, and describe what actions were (or are being) taken to rectify the non-compliance and avoid reoccurrence;</p> <p>(d) identify any trends in the monitoring data over the life of the development;</p>	<p>Annual Environmental Reviews completed by VGT on behalf of Hy-Tec.</p> <p>2018/2019 Review submitted 30 September 2019.</p> <p>2017-2018 Review submitted</p> <p>2016-2017 Review submitted 13/10/17 (extension provided)</p>	Compliant	

		<p>(e) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and</p> <p>(f) describe what measures will be implemented over the current financial year to improve the environmental performance of the development.</p>			
Revision of Strategies, Plans and Programs					
70.	5	<p>Within 3 months of the submission of an:</p> <p>(a) incident report under condition 4 below;</p> <p>(b) annual review under condition 6 below;</p> <p>(c) audit report under condition 7 below; and</p> <p>(d) any modifications to this consent,</p> <p>the Applicant must review the strategies, plans and programs required under this consent, to the satisfaction of the Secretary. Where this review leads to revisions in any such document, then within 4 weeks of the review the revised document must be submitted for the approval of the Secretary.</p> <p><i>Note: The purpose of this condition is to ensure that strategies, plans and programs are regularly updated to incorporate any measures recommended to improve environmental performance of the development.</i></p>	Evidence required	Compliant	
REPORTING					
Incident Reporting					
71.	6	<p>The Applicant must immediately notify the Secretary and any other relevant agencies of any incident. Within 7 days of the date of the incident, the Applicant must provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested.</p>	<p>pH exceedance 10/17. Not reported to DPIE at time of exceedance.</p> <p>No water monitoring conducted at EPL points 2 and 3 during discharge event on 10/02/2020 as river was in flood.</p> <p>Not reported as an incident.</p>	Not Compliant	04
Regular Reporting					
72.	7	<p>The Applicant must provide regular reporting on the environmental performance of the development on its website, in accordance with the</p>	<p>Monitoring records were available on the company website.</p> <p>6 monthly Truck movement data</p>	Compliant	

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		reporting arrangements in any plans or programs approved under the conditions of this consent.	EPL monitoring results include water, air and blast monitoring results. Noise reports available.		
INDEPENDENT ENVIRONMENTAL AUDIT					
73.	8	<p>Within a year of the date of this consent, and every 3 years thereafter, unless the Secretary directs otherwise, the Applicant must commission and pay the full cost of an Independent Environmental Audit of the development. This audit must:</p> <p>(a) be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;</p> <p>(b) include consultation with the relevant agencies;</p> <p>(c) assess the environmental performance of the development and whether it is complying with the relevant requirements in this consent and any relevant EPL or necessary water licences for the development (including any assessment, strategy, plan or program required under these approvals);</p> <p>(d) review the adequacy of strategies, plans or programs required under the abovementioned approvals; and</p> <p>(e) recommend appropriate measures or actions to improve the environmental performance of the development, and/or any assessment, strategy, plan or program required under the abovementioned approvals; and</p> <p>(f) be conducted and reported to the satisfaction of the Secretary.</p> <p><i>Note: This audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Secretary.</i></p>	<p>Initial Independent Environmental Audit conducted 17 October 2017.</p> <p>Current audit conducted 29/07/2020. Independent Audit Team Endorsement provided by 9/06/2020.</p>	Compliant	
74.	9	<p>Within 6 weeks of completion of this audit, or as otherwise agreed by the Secretary, the Applicant must submit a copy of the audit report to the Secretary, together with its response to any recommendations contained in the audit report.</p>	<p>Previous audit conducted 16-17 October 2017. Report submitted 8 December 2017. Extension of time for submission of the report was provided by the Department (2 week extension, hence due before 12 December 2017).</p>	Compliant	
Access To Information					
75.	10	<p>Within 6 months of the date of this consent, the Applicant must:</p> <p>(a) make the following information publicly available on its website:</p>	<p>Website includes:</p> <ul style="list-style-type: none"> • Approval Documents 	Compliant	

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		<ul style="list-style-type: none"> • the documents listed in condition 2 of Schedule 2; • current statutory approvals for the development; • all approved strategies, plans and programs required under the conditions of this consent; • a comprehensive summary of the monitoring results of the development, reported in accordance with the specifications in any conditions of this consent, or any approved plans and programs; • a complaints register, updated monthly; • the annual reviews of the development; • any independent environmental audit, and the Applicant’s response to the recommendations in any audit; and • any other matter required by the Secretary; and <p>(b) keep this information up-to-date, to the satisfaction of the Secretary.</p>	<ul style="list-style-type: none"> • <u>Austen Quarry Consent with S96 Update</u> • <u>Austen Quarry Development Consent SSD-6084</u> • <u>Austen Quarry EBPC Approval 2013-6967</u> • <u>Austen Quarry MOD 1 - Consolidated Consent - 15.08.2018</u> • <u>Austen Quarry MOD SSD-6084 15.07.2019</u> • <u>Average Monthly Truck Movements - Austen</u> • <u>Average Truck Movements 2019-20</u> • <u>Average Truck Movements 2018-19</u> • <u>Average Truck Movements 2017-18</u> • <u>Average Truck Movements 2016-17</u> • <u>Complaints Register</u> • EPL licence monitoring data • Bush Fire Emergency Evacuation Plan (in Mine Safety Management Plan) 		
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AUDIT CHECKLIST: Environmental Protection Licence		
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2 Audit Checklist – Environmental Protection Licence 12323


AQUAS Ref No	Cond. No.	Condition	Finding and Recommendations	Compliance rating	Assessment Issue #
ENVIRONMENTAL PROTECTION LICENCE 12323					
1.	A.1.1	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. Extractive Activities Land-based extractive activity > 500000 - 2000000 T extracted, processed or stored.	Summary for: 2017-2018 financial year showed 1,026,498 tonnes sold and transported. 2018-2019 financial year showed 985,737 tonnes sold and transported. 2019-2020 - financial year showed 985,737 tonnes sold and transported	Compliant	
2.	L4.1	Noise from the premises must not exceed 35 dB(A) L _{Aeq} (15 minute) at any time.	Noise monitoring conducted has concluded that noise from the premises did not exceed criteria.	Compliant	
3.	L5.1	Blasting in or on the premises must only be carried out between 1000 hours and 1500 hours Monday to Friday. Blasting in or on the premises must not take place on Saturdays, Sundays or Public Holidays without the prior approval of the EPA	Blast monitoring records show that blasting had only been conducted within the periods identified.	Compliant	
4.	L5.2	The airblast overpressure level from blasting operations in or on the premises must not exceed: a) 115 dB (Lin Peak) for more than 5% of the total number of blasts during each reporting period; and b) 120 dB (Lin Peak) at any time. At the most affected noise-sensitive location not under the ownership or control of the licensee.	No exceedances of the airblast overpressure level from blasting operations have been recorded.	Compliant	
5.	L5.3	The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed: a) 5mm/s for more than 5% of the total number of blasts carried out on the premises during each reporting period; and b) 10 mm/s at any time	No exceedances of the ground vibration peak particle velocity overpressure level from blasting operations have been recorded.	Compliant	

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		At the most affected sensitive location not under the ownership or control of the licensee			
6.	L5.4	The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed 2 mm/s at the most sensitive location within Hartley Village	No exceedances of the ground vibration peak particle velocity overpressure level from blasting operations have been recorded.	Compliant	
7.	L6.1	Activities covered by this licence must only be carried out between the hours of 06:00 to 22:00 hours Monday to Friday, and 06:00 to 15:00 hours Saturday, and at no time on Sundays and Public Holidays.	Working hours for the site comply with hours specified.	Compliant	
8.	L6.2	The loading and dispatch of trucks at the Premises and transport to and from the Premises is permitted between 04:00 hours and 22:00 hours Monday to Friday and between 05:00 hours and 15:00 hours on Saturdays only.	Loading not permitted prior to 5am. CAS system used for weighbridge does not permit entry before 5.00am.	Compliant	
9.	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.	Plant and equipment maintenance records were available which showed regular maintenance was undertaken. e.g. Machine 2801-EX1 (PC850). Service records sighted for 250hr service, 5/07/2020, Vehicle 2801-L02 500 hr service 5/06/2020. Repair 9/06/2020 (Crawler Tracks)- as a result of fault report 1567 submitted by operator. Truck 2801-DU6 – 1000 hr 12/05/20 500 15/4/2020 250 3/03/2020. Required at least every 500hrs. Tyre inspection – 28/05/2020. Daily prestart records sighted in office.	Compliant	

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10.	O3.1	The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.	Controls identified in the air quality management plan. Water cart used to minimise dust generation. During the site inspection, it was noted that water sprays were used to minimise dust emission from material coming off conveyors.	Compliant	
11.	O4.1	The stormwater control structures (sediment basins) identified at EPA Identification Points 1, 8, 9, 10 and 11 must be drained or pumped out as necessary to maintain each basins design storage capacity within 5 days following rainfall.	Program in place to monitor water levels in sediment basins and maintained storage capacity. It was noted during the site inspection that the site was in the process of reducing storage volumes following the high rainfall event immediately preceding the audit.	Compliant	
12.	O4.2	Water discharged to comply with condition O4.1 may only be discharged to waters from those stormwater control structures (sediment basins) identified at EPA Identification Points 1, 8, 9, 10 and 11 where the discharged water complies with the discharge limits stipulated at condition L2.1/L2.4 (and taking into consideration condition L2.6).	Water discharged from the site was discharged in compliance with licence requirements. Two water discharge events (March 2020 and July 2020) had occurred where the TSS exceeded the concentration limit in L2.1/L2.4, however these events were deemed not to have breached licence requirements as the water was discharged in compliance with condition L2.5.	Compliant	
13.	O4.3	The licensee must undertake maintenance as necessary to desilt any stormwater control structures (sediment basins) identified at EPA Identification Points 1, 8, 9, 10 and 11 in order to retain each basins design storage capacity.	Desilting of the sediment basins had been conducted in 2016. It was noted that sediment had accumulated in some sediment basins following the high rainfall event immediately preceding the audit. Site management had indicated that clean out	Compliant	

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			of basins would be conducted when site conditions permitted access for equipment.		
14.	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.	Record keeping requirements had been identified in management plans. Records were readily available on site.	Compliant	
15.	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.	Records were readily available on site and published on the company website.	Compliant	
16.	M2.2	Is dust monitoring conducted at 3 sites from AQD1 to AQD3 (EPA Points 4,5 and 6)	Records of dust monitoring were available for the three sites.	Compliant	
17.	M2.3	Water monitoring conducted daily during discharge at Points 1,8,9,10 and 11 for: • Oil and Grease / pH / Total suspended solids	Water quality monitoring data was available on the company website. Records showed monitoring for required variables was conducted, e.g. Point 1 – 10/02/2020 Point 9 – 24/10/17, 6/04/18, 23/02/19, 5/03/2020, Oil and Grease / pH / Total suspended solids results available.	Compliant	
18.	M2.3	Water monitoring at Points 2 and 3 conducted monthly and daily during discharge from Point 1 for: • Oil and Grease / PH / Total suspended solids	Monthly water quality monitoring data was available showing points 2 & 3 monitored monthly.	Not Compliant	04

AUDIT CHECKLIST: Environmental Protection Licence			
Project: AQ1279	Company: Hy-Tec – Austen Quarry	Date: 29 July 2020	

			EPL Point 1 – Monitoring records available for discharge 10/02/2020. Noted that no monitoring at points 2 and 3 was conducted on 10/02/2020 due to safety concerns (river in flood).		
19.	M4.1	The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.	Complaints register available. No complaints had been received	NT	
20.	M4.2	The record must include details of the following: a) the date and time of the complaint; b) the method by which the complaint was made; c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect; d) the nature of the complaint; e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and f) if no action was taken by the licensee, the reasons why no action was taken.	No complaints had been received. Complaints register maintained in Cintillate which includes facility for all required information.	Compliant	
21.	M5.1	The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.	Telephone complaints line operated.	Compliant	
22.	M5.2	The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.	Telephone number was displayed in the front gate to the site.	Compliant	
23.	M5.3	The preceding two conditions do not apply until 3 months after the date of the issue of this licence.		Note	

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24.	M6.1	For each discharge point or utilisation area specified below (1,8,9,10,11), the licensee must monitor: a) the volume of liquids discharged to water or applied to the area; b) the mass of solids applied to the area; c) the mass of pollutants emitted to the air; at the frequency and using the method and units of measure, specified below (daily during discharge).	Monitoring records included a daily estimate of the volume of water discharged.	Compliant	
25.	M7	a) Airblast overpressure and ground vibration must be measured and electronically recorded at the nearest residence or sensitive receiver or as otherwise directed by an authorised officer of the EPA for all blasts carried out in or on the premises; and b) Instrumentation used to measure the airblast overpressure and ground vibration must meet the requirements of Australian Standard AS 2187.2-2006.	Blast monitoring has been conducted at locations as identified in the approved Blast Management Plan.	Compliant	
26.	M8	The applicant must monitor (by sampling and obtaining results by analysis) the parameters specified in Column 1. The applicant must use the sampling method, units of measure, averaging period and sample at the frequency specified opposite in the other columns unless otherwise approved by the EPA (Temperature, wind speed and direction, sigma theta, rainfall)	Temperature, rainfall, wind speed and direction, Sigma Theta recorded.	Compliant	
Reporting Conditions					
Annual Return Documents					
27.	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,	Annual return completed and submitted to EPA 24/08/2017, 24/08/2018, 16/08/2019.	Compliant	

AUDIT CHECKLIST: Environmental Protection Licence


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		<p>6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and</p> <p>7. a Statement of Compliance - Environmental Management Systems and Practices.</p> <p>At the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.</p>			
28.	R1.2	<p>An Annual Return must be prepared in respect of each reporting period, except as provided below.</p> <p><i>Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.</i></p> <p><i>The reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 months</i></p>	Reporting period 1 July to 30- June.	Compliant	
29.	R1.3	<p>Where this licence is transferred from the licensee to a new licensee:</p> <p>a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and</p> <p>b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.</p> <p>Note: An application to transfer a licence must be made in the approved form for this purpose.</p>		Not Triggered	
30.	R1.4	<p>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:</p> <p>a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or</p>		NT	


AUDIT CHECKLIST: Environmental Protection Licence			
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		b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.			
31.	R1.5	The Annual Return for the reporting period must be supplied to the EPA 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').	Report provided 24/08/2017, 24/08/2018, 16/08/2019. Due before 30/08/17.	Compliant	
32.	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	Copy of the Annual Return was available.	Compliant	
33.	R1.7	Within the Annual Return, the Statement of Compliance must be certified and the Monitoring and Complaints Summary must be signed by: a) the licence holder; or b) by a person approved in writing by the EPA to sign on behalf of the licence holder.	Statement of compliance was signed and included with the Annual Return	Compliant	
34.	R2.1	Notifications must be made by telephoning the Environment Line service on 131 555. <i>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.</i>	No environmental incidents have occurred.	Not Triggered	
35.	R2.2	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. The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.	No environmental incidents have occurred.	Not Triggered	
36.	R3.1	Where an authorised officer of the EPA suspects on reasonable grounds that:	No environmental incidents have occurred.	Not Triggered	

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		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.	No requests for a written report have been received.		
37.	R3.2	The request may require a report which includes any or all of the following information: a) the cause, time and duration of the event; b) the type, volume and concentration of every pollutant discharged as a result of the event; c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event; d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort; e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants; f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and g) any other relevant matters.	No environmental incidents have occurred. No requests for a written report have been received.	Not Triggered	
38.	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.	No environmental incidents have occurred. No requests for a written report have been received.	Not Triggered	
39.	G1.1	A copy of this licence must be kept at the premises to which the licence applies.	Copy of the licence was available on site.	Compliant	
40.	G1.2	The licence must be produced to any authorised officer of the EPA who asks to see it.	Copy of the licence was available on site.	Compliant	


AUDIT CHECKLIST: Environmental Protection Licence			
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41.	G1.3	The licence must be available for inspection by any employee or agent of the licensee working at the premises.	Copy of the licence was available on site.	Compliant	
42.	G2.1	The licensee must operate 24-hour telephone contact lines for the purpose of enabling the EPA to directly contact one or more representatives of the licensee who can: a) respond at all times to incidents relating to the premises; and b) contact the licensee’s senior employees or agents authorised at all times to: i) speak on behalf of the licensee; and ii) provide any information or document required under this licence.	24 hour contact details have been provided (Plant Manager).	Compliant	
43.	G2.2	The licensee is to inform the EPA of the representative or representatives and their telephone number within 3 months of the date of the issue of this licence. The EPA must be notified of the telephone number on commencement of its operation.	24 hour contact details have been provided (Plant Manager).	Compliant	
44.	G2.3	The licensee is to inform the EPA in writing of the appointment of any subsequent contact persons, or changes to the person’s contact details as soon as practicable and in any event within fourteen days of the appointment or change	Sighted Email to EPA 18/11/2019 informing EPA of appointment of new quarry manager.	NT	
45.	G3.1	The location of EPA point number(s) 1 to 7 inclusive must be clearly marked by signs that indicate the point identification number used in this licence and be located as close as practical to the point.	Locations were clearly marked, e.g. 	Compliant	


AUDIT CHECKLIST: Water Access Licences		
Project: AQ1279	Company: Hy-Tec – Austen Quarry	

3 Audit Checklist – Water Access Licence 25616 and 37423


Checklist item	WAL Condition No	Condition	Finding	Compliance Rating	Assessment Issue #
Water Access Licence 25616 – Plan Conditions					
1.	MW0112-00001	The maximum water allocation that may be carried over in the account for this access licence from one water year to the next water year is: A. a volume equal to 100 % of the share component of the licence, or B. 1 ML/unit share of the share component of the licence.	WAL allowance – 20ML. 16.812ML taken July 2017 to June 2018. 6.815ML taken July 2018 to June 2019 3.869ML Taken July 2019 to June 2020	Compliant	
2.	MW0017-00023	From 1 July 2011, water must not be taken from the Dharabuladh Management Zone of the Upper Nepean and Upstream Warragamba Water Source when flows are in the Very Low Flow Class, which means that the flow at Coxs River at the Island Hill gauge [No. 212045] is: A. equal to or less than 17 ML/day on a rising river, or B. equal to or less than 15 ML/day on a falling river. This restriction does not apply if water is to be taken from a runoff harvesting dam or an in-river dam pool.	Flow level at the Island Hill gauge checked before pumping. Records reviewed showed water extracted in compliance with licence requirements (e.g. 8/01/2020 68ML rising at Island Hill gauge).	Compliant	
3.	MW0036-00002	The volume of water taken in any three (3) consecutive water years from 1 July 2012 must be recorded in the logbook at the end of those three water years. The maximum volume of water taken in any three (3) consecutive water years permitted to be taken in those years must also be recorded in the logbook.	Licence obtain in March 2015. Logbook maintained. Includes photo of meter reading, volume taken in a 24 hour period and for the year. The 3 year cumulative volume and the maximum volume of water permitted to be taken in those years was not recorded. It was noted that annual volume of water has always been less than the volume allocated.	Not Compliant	06
4.	MW0605-00001	Water must be taken in compliance with the conditions of the approval for the nominated work on this access licence through which water is to be taken.	Water taken during the period covered by the review was taken in compliance with the conditions of the approval.	Compliant	

AUDIT CHECKLIST: Water Access Licences		
Project: AQ1279	Company: Hy-Tec – Austen Quarry	


Checklist item	WAL Condition No	Condition	Finding	Compliance Rating	Assessment Issue #
5.	MW0605-00001	Water must only be taken if there is visible flow in the water source at the location where water is to be taken. This restriction does not apply if water is to be taken: A. from an off-river pool, an in-river pool, a runoff harvesting dam or an in-river dam pool, or B. from the following Weirs: Maldon, Douglas Park, Menangle, Camden, Sharpes, Cobbity, Mount Hunter Rivulet, Brownlow Hill, Theresa Park and Wallacia.	Visual assessment of river level recorded at commencement of pumping. Visible flow on all occasions recorded.	Compliant	
6.	MW0004-00002	From 1 July 2012, the total volume of water taken in any three (3) consecutive water years under this access licence must not exceed a volume which is equal to the lesser of either: A. the sum of: i. water in the account from the available water determinations in those 3 consecutive water years, plus ii. water in the account carried over from the water year prior to those 3 consecutive water years, plus iii. any net amount of water assigned to or from this account under a water allocation assignment in those 3 consecutive water years, plus iv. any water re-credited by the Minister to the account in those 3 consecutive water years, or B. the sum of: i. the share component of this licence at the beginning of the first year in those 3 consecutive water years, plus ii. the share component of this licence at the beginning of the second year in those 3 consecutive water years, plus iii. the share component of this licence at the beginning of the third year in those 3 consecutive water years, plus	Volume of water taken annually has been less than the annual share component for each year.	Compliant	

AUDIT CHECKLIST: Water Access Licences		
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Checklist item	WAL Condition No	Condition	Finding	Compliance Rating	Assessment Issue #
		iv. any net amount of water assigned to or from this account under a water allocation assignment in those 3 consecutive water years, plus v. any water re-credited by the Minister to the account in those 3 consecutive water years.			
7.	MW2337-00001	The following information must be recorded in the logbook for each period of time that water is taken: A. date, volume of water, start and end time when water was taken as well as the pump capacity per unit of time, and B. the access licence number under which the water is taken, and C. the approval number under which the water is taken, and D. the volume of water taken for domestic consumption and/or stock watering.	Logbook maintained. Meter reading, river flow and time recorded at the commencement of pumping. Water access licence was included in the logbook. Duration of pumping recorded (e.g. 7am 9/01/2020 to 7am 10/01/2020).	Compliant	
8.	MW2339-00001	A logbook must be kept, unless the work is metered and fitted with a data logger. The logbook must be produced for inspection when requested by the relevant licensor.	Logbook maintained.	Compliant	
9.	MW2339-00001	Once the licence holder becomes aware of a breach of any condition on this access licence, the licence holder must notify the Minister as soon as practicable. The Minister must be notified by: A. email: water.enquiries@dpi.nsw.gov.au, or B. telephone: 1800 353 104. Any notification by telephone must also be confirmed in writing within seven (7) business days of the telephone call.	No breach has been identified.	Not Triggered	
10.	MW0655-00001	Any water supply work authorised by this approval must take water in compliance with the conditions of the access licence under which water is being taken.	No non-compliances with WAL conditions has been identified.	Compliant	

AUDIT CHECKLIST: Water Access Licences		
Project: AQ1279	Company: Hy-Tec – Austen Quarry	


Checklist item	WAL Condition No	Condition	Finding	Compliance Rating	Assessment Issue #
11.	MW0491-00001	When a water supply work authorised by this approval is to be abandoned or replaced, the approval holder must contact the relevant licensor in writing to verify whether the work must be decommissioned. The work is to be decommissioned, unless the approval holder receives notice from the Minister not to do so. Within sixty (60) days of decommissioning, the approval holder must notify the relevant licensor in writing that the work has been decommissioned.	No water supply has been abandoned or replaced.	Not Triggered	
12.	MW0481-00001	A logbook must be kept and maintained at the authorised work site or on the property for each water supply work authorised by this approval, unless the work is metered and fitted with a data logger.	Logbook maintained.	Compliant	
13.	MW2338-00001	The completed logbook must be retained for five (5) years from the last date recorded in the logbook.	Logbook maintained.	Compliant	
14.	MW0482-00001	Where a water meter is installed on a water supply work authorised by this approval, the meter reading must be recorded in the logbook before taking water. This reading must be recorded every time water is to be taken.	Photograph of water meter reading taken at the commencement of pumping and included in log book.	Compliant	
15.	MW0051-00001	Once the approval holder becomes aware of a breach of any condition on this approval, the approval holder must notify the Minister as soon as practicable. The Minister must be notified by: A. email: water.enquiries@dpi.nsw.gov.au, or B. telephone: 1800 353 104. Any notification by telephone must also be confirmed in writing within seven (7) business days of the telephone call.	No breach has been identified.	Not Triggered	
Water Access Approval 103330 –Conditions					
16.	DK0888-00001	Any water supply work authorised by this approval used for the purpose of conveying, diverting or storing water must be constructed or installed to allow free passage of floodwaters flowing into or from a river or lake.	Portable pump used for pumping from river. Storage dams installed allow free flow of flood water.	Compliant	

AUDIT CHECKLIST: Water Access Licences		
Project: AQ1279	Company: Hy-Tec – Austen Quarry	

Checklist item	WAL Condition No	Condition	Finding	Compliance Rating	Assessment Issue #
17.	DK0878-00001	A. The construction, installation or use of the water supply work authorised by this approval must not cause or increase erosion to the channel or bank of the watercourse. B. If erosion is observed, the area must be stabilised with grass cover, stone pitching or any other material that will prevent any further occurrence of erosion.	Portable pump used. No erosion was observed during the site inspection.	Compliant	


AUDIT CHECKLIST: Water Access Licences		
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Checklist item	WAL Condition No	Condition	Finding	Compliance Rating	Assessment Issue #
Water Access Licence 37423 – Plan Conditions					
1.	MW0929-00001	From 1 July 2018, if the water supply work nominated on this access licence is located at or less than 40 m from the top of the high bank of a river then: A. water must not be taken in this groundwater source when flows are in the Very Low Flow Class for an unregulated river access licence in that river. B. This restriction will only apply when the system that confirms when water can be taken is available on DPI Water website. C. DPI Water will inform the licence holder in writing of the applicable restrictions and how to access the information on its website when this system becomes operative.	Licence provided for groundwater flow into pit, which is located more than 40 m from the top of the high bank of the river.	Compliant	
2.	MW0605-00001	Water must be taken in compliance with the conditions of the approval for the nominated work on this access licence through which water is to be taken.	Passive flow into pit.	Compliant	
3.	MW0919-00001	A maximum water allocation of 0.1 ML/unit share may be carried over in the account for this access licence from one water year to the next water year if a water meter is installed on each water supply work nominated on this licence and each meter is maintained in working order.	No carry over of water allocation has been required.	Not triggered	
4.	MW0547-00001	The total volume of water taken under this licence in any water year must not exceed a volume equal to: A. the sum of water in the account from the available water determination for the current year, plus B. the water carried over in the account from the previous water year, plus C. the net amount of water assigned to or from the account under a water allocation assignment, plus D. any water re-credited by the Minister to the account.	Passive flow into pit. Allocation of 20.00 ML. Estimated volume provided by Ground Doctor. 2017-2018 – 7.6 ML 2018-2019 – 13.9 ML 2019-2020 – Not available at time of audit	Compliant	


AUDIT CHECKLIST: Water Access Licences			
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Checklist item	WAL Condition No	Condition	Finding	Compliance Rating	Assessment Issue #
5.	MW2338-00001	The completed logbook must be retained for five (5) years from the last date recorded in the logbook.	Groundwater flow into pit only. No active pumping is undertaken. Water inflow into the pit is measured/ calculated by Ground Doctor. Annual volumes recorded.	Not Triggered	
6.	MW2336-00001	The purpose or purposes for which water is taken, as well as details of the type of crop, area cropped, and dates of planting and harvesting, must be recorded in the logbook each time water is taken.	Groundwater flow into pit only. No active pumping is undertaken..	Not Triggered	
7.	MW2337-00001	The following information must be recorded in the logbook for each period of time that water is taken: A. date, volume of water, start and end time when water was taken as well as the pump capacity per unit of time, and B. the access licence number under which the water is taken, and C. the approval number under which the water is taken, and D. the volume of water taken for domestic consumption and/or stock watering.	Groundwater flow into pit only. No active pumping is undertaken.	Not Triggered	
8.	MW2339-00001	A logbook must be kept, unless the work is metered and fitted with a data logger. The logbook must be produced for inspection when requested by the relevant licensor.	Groundwater flow into pit only. No active pumping is undertaken.	Not Triggered	
9.	MW0051-00002	Once the approval holder becomes aware of a breach of any condition on this approval, the approval holder must notify the Minister as soon as practicable. The Minister must be notified by: A. email: water.enquiries@dpi.nsw.gov.au , or B. telephone: 1800 353 104. Any notification by telephone must also be confirmed in writing within seven (7) business days of the telephone call.	No breach has been identified.	Not Triggered	

Water Access Approval 119180 –Conditions

AUDIT CHECKLIST: Water Access Licences		
Project: AQ1279	Company: Hy-Tec – Austen Quarry	

Checklist item	WAL Condition No	Condition	Finding	Compliance Rating	Assessment Issue #
10.	MW0655-00001	Any water supply work authorised by this approval must take water in compliance with the conditions of the access licence under which water is being taken.	Water inflow into pit. No non-compliance with the conditions of the access licence have been identified.	Compliant	
11.	MW0097-00001	If contaminated water is found above the production aquifer during the construction of the water supply work authorised by this approval, the licensed driller must: A. notify the relevant licensor in writing within 48 hours of becoming aware of the contaminated water, and B. adhere to the Minimum Construction Requirements for Water Bores in Australia (2012), as amended or replaced from time to time.	No contaminated water has been identified.	Not Triggered	
12.	MW0487-00001	The water supply work authorised by this approval must be constructed within three (3) years from the date this approval is granted.	Groundwater flow into pit only. No active pumping is undertaken.	Not Triggered	
13.	MW0044-00001	A. When a water supply work authorised by this approval is to be abandoned or replaced, the approval holder must contact the relevant licensor in writing to verify whether the work must be decommissioned. B. The work is to be decommissioned, unless the approval holder receives notice from the Minister not to do so. C. When decommissioning the work the approval holder must: i. comply with the minimum requirements for decommissioning bores prescribed in the Minimum Construction Requirements for Water Bores in Australia (2012), as amended or replaced from time to time, and ii. notify the relevant licensor in writing within sixty (60) days of decommissioning that the work has been decommissioned.	No water supply has been abandoned or replaced.	Not Triggered	

AUDIT CHECKLIST: Water Access Licences		
Project: AQ1279	Company: Hy-Tec – Austen Quarry	

Checklist item	WAL Condition No	Condition	Finding	Compliance Rating	Assessment Issue #
14.	MW0484-00001	Before water is taken through the water supply work authorised by this approval, confirmation must be recorded in the logbook that cease to take conditions do not apply and water may be taken. The method of confirming that water may be taken, such as visual inspection, internet search, must also be recorded in the logbook. If water may be taken, the: A. date, and B. time of the confirmation, and C. flow rate or water level at the reference point in the water source must be recorded in the logbook.	Groundwater flow into pit only. No active pumping is undertaken.	Not Triggered	
15.	MW2338-00001	The completed logbook must be retained for five (5) years from the last date recorded in the logbook.	No active pumping is undertaken.	Not Triggered	
16.	MW2336-00001	The purpose or purposes for which water is taken, as well as details of the type of crop, area cropped, and dates of planting and harvesting, must be recorded in the logbook each time water is taken.	No active pumping is undertaken.	Not Triggered	
17.	MW2337-00001	The following information must be recorded in the logbook for each period of time that water is taken: A. date, volume of water, start and end time when water was taken as well as the pump capacity per unit of time, and B. the access licence number under which the water is taken, and C. the approval number under which the water is taken, and D. the volume of water taken for domestic consumption and/or stock watering.	No active pumping is undertaken.	Not Triggered	
18.	MW0482-00001	Where a water meter is installed on a water supply work authorised by this approval, the meter reading must be recorded in the logbook before taking water. This reading must be recorded every time water is to be taken.	No water meter has been installed.	Not Triggered	

AUDIT CHECKLIST: Water Access Licences			
Project: AQ1279	Company: Hy-Tec – Austen Quarry	Date: 29 July 2020	

Checklist item	WAL Condition No	Condition	Finding	Compliance Rating	Assessment Issue #
19.	MW2339-00001	A logbook must be kept, unless the work is metered and fitted with a data logger. The logbook must be produced for inspection when requested by the relevant licensor.	No active pumping is undertaken.	Not Triggered	
20.	MK0051-00001	Once the approval holder becomes aware of a breach of any condition on this approval, the approval holder must notify the Minister as soon as practicable. The Minister must be notified by: A. email: water.enquiries@dpi.nsw.gov.au , or B. telephone: 1800 353 104. Any notification by telephone must also be confirmed in writing within seven (7) business days of the telephone call.	No breach has been identified.	Not Triggered	
21.	MK0485-00001	Within sixty (60) days of completing construction of the water supply work authorised by this approval, the approval holder must provide a completed Form A for that work to the relevant licensor.	Water supply work not required. Licence is for groundwater flow into pit..	Not Triggered	
22.	DS2431-00001	A. Within 6 months of granting this approval, a monitoring plan to measure the water table, groundwater and surface water quality must be submitted to, and approved by, the relevant licensor, Parramatta Office. B. Then, the water table, groundwater and surface water quality must be measured according to the approved plan. C. All monitoring records must be kept for 10 years and provided to the relevant licensor when requested.	A monitoring plan to measure the water table, groundwater and surface water quality had been developed and approved on 16 October 2017. Verified previous audit.	Compliant	

Appendix D. Consultation Records

Independent Environmental Audit – Austen Quarry

Commercial in Confidence



From: [Alex McGuirk](#)
To: [Hart, James](#); [EPA RSD Central West Mailbox](#)
Subject: RE: Independent Environmental Audit - Austen Quarry 29 July 2020
Date: Tuesday, 28 July 2020 3:09:02 PM

Hi James,

The EPA is particularly interested in:

- Surface water management, including erosion and sediment control (I understand that this week the Premises is discharging from one or more licensed points due to recent rain)
- Pollution incident response preparedness, including managers'/workers' understanding of their roles and responsibilities.

Kind regards,

Alex McGuirk

Operations Officer – Regulatory Operations

NSW Environment Protection Authority

Phone: 6333 3800

Alex.McGuirk@epa.nsw.gov.au www.epa.nsw.gov.au @EPA_NSW EPA YouTube

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



From: Hart, James <james.hart@aquas.com.au>
Sent: Thursday, 23 July 2020 12:00 PM
To: Alex McGuirk <Alex.McGuirk@epa.nsw.gov.au>; EPA RSD Central West Mailbox <central.west@epa.nsw.gov.au>
Subject: Independent Environmental Audit - Austen Quarry 29 July 2020

Hi,

AQUAS has been engaged to undertake an Independent Environmental Audit of the Austen Quarry operated by Hy-Tec. As a requirement of the Independent Environmental Audit process I am seeking feedback from various agencies in regard to any issues that may have arisen or concerns which you may have in relation to the construction operations. These will be included in the audit.

I would appreciate it if you would respond to this email prior to the site audit identifying any issues or concerns you have, or if you have none, please respond and let me know.

If you have any questions or prefer to talk to someone about issues regarding the development, you can contact me on 0408238682.

Please note that the audit will be conducted on 29 July 2020.

From: [Mary Kovac](#)
To: [Hart, James](#)
Subject: Independent Environmental Audit - Austen Quarry 29 July 2020
Date: Friday, 31 July 2020 1:47:17 PM

Hi James

I should have got back to you by Wednesday. Sorry about that.

DPI Agriculture has not identified any major issues associated with this quarry and impacts on agriculture. Hence we have no issues to raise.

Thank you and have a nice weekend.

Mary

Mary Kovac | Agricultural Landuse Planning Officer
Agricultural Landuse Planning Unit
NSW Department of Primary Industries | Agricultural Resources
34 Hampden Street | Dubbo | NSW 2830
T: +61 2 6881 1250 | M: 0427 949 987 | E: mary.kovac@dpi.nsw.gov.au
W: www.dpi.nsw.gov.au



From: [Lithgow City Council](#)
To: [Hart, James; Darryl Thiedeke \(Darryl.Thiedeke@adiri.com.au\)](mailto:Hart_James;Darryl.Thiedeke@adiri.com.au)
Subject: Independent Environmental Audit - Austen Quarry 29 July 2020
Date: Wednesday, 29 July 2020 1:00:13 PM

Hi James

Reference is made to your email below in relation an Independent Environmental Audit for the Austen/Hy-Tec Quarry.

Council advise that majority of the consent conditions for SSD-6084 – Austen Quarry Extension has been complied with. The Annual Review 2018-2019 stated:

5.6. Visual

5.6.1. Performance and Management

The site is visible from a number of local viewpoints including Jenolan Caves Road, the Great Western Highway, Hassan Walls Lookout to the north of the site and Mt York Lookout. Visual impact monitoring has been included in the AQ Environmental Inspection Checklist (Appendix H).

Lighting impacts are managed by directly light sources inwards, and are monitored visually on a monthly basis. Yorkeys Creek stockpile and the secondary processing area retain their vegetation screening. The visual screen on the northern ridge has been augmented by additional tree plantings, see section 7.1. The western quarry face has been previously sprayed with bitumen emulsion to reduce visual impacts, and portions of the northern quarry face have been sprayed this report period. It is proposed to re-spray some weathered faces next report period.

Council would just like to reinforce that the Quarry face continues to be sprayed with bitumen emulsion to reduce visual impacts.

Yours Sincerely

Lauren Stevens | Development Planner

Economic Development & Environment | Lithgow City Council
Phone: (02) 6354 9999 | Fax: (02) 6351 4259

From: Hart, James [<mailto:james.hart@aquas.com.au>]
Sent: Thursday, 23 July 2020 12:03 PM
To: Andrew Muir <andrew.muir@lithgow.nsw.gov.au>
Subject: Independent Environmental Audit - Austen Quarry 29 July 2020

Hi Andrew,

AQUAS has been engaged to undertake an Independent Environmental Audit of the Austen Quarry operated by Hy-Tec. As a requirement of the Independent Environmental Audit process I am seeking feedback from various agencies in regard to any issues that may have arisen or concerns which you may have in relation to the construction operations. These will be included in the audit.

I would appreciate it if you would respond to this email prior to the site audit identifying any issues or concerns you have, or if you have none, please respond and let me know.

From: [Daryl Lawrence](#)
To: [Hart, James](#)
Subject: Re: Independent Environmental Audit - Austen Quarry 29 July 2020
Date: Tuesday, 28 July 2020 3:13:22 PM

Hello James,
The only Crown land related to the Austen Quarry is the Coxs River which is close to, but not part of, the quarry site.
Crown Lands would expect that the Audit would carefully consider any impacts that are affecting the Crown Waterway.
Happy to discuss further if necessary.
Regards,

From: Hart, James <james.hart@aquas.com.au>
Sent: Tuesday, 28 July 2020 10:46 AM
To: Daryl Lawrence <daryl.lawrence@crowland.nsw.gov.au>
Subject: RE: Independent Environmental Audit - Austen Quarry 29 July 2020

Hi Darryl,

Yes, the quarry is located on Lot 1 DP 1005511.

Regards

James Hart | Management Consultant

*Certified Exemplar Global Lead OHS Auditor
Certified Exemplar Global Lead Environmental Auditor
Certified Exemplar Global Lead Quality Management System Auditor*

Please note part time: Monday to Thursday
AQUAS | Level 2, 426 King Street, Newcastle NSW 2300 | PO Box 2195, Dangar NSW 2309 |
phone: +61 2 4928 7600 | fax: +61 2 4927 0930 | Mobile: +61 408 238 682
email: james.hart@aquas.com.au | ABN 40050539010 |
www.aquas.com.au
AQUAS: enables compliance ~ verifies compliance

Please consider the environment before printing this email.

From: Daryl Lawrence <daryl.lawrence@crowland.nsw.gov.au>
Sent: Tuesday, 28 July 2020 10:39 AM
To: Hart, James <james.hart@aquas.com.au>
Subject: Fw: Independent Environmental Audit - Austen Quarry 29 July 2020

Hello James,
Can you confirm that the quarry is located on Lot 1 DP 1005511.
This the quarry owned by Hartley Pastoral Co.

From: [Melanie Hollis](#)
To: [Hart, James](#)
Subject: RE: Independent Environmental Audit - Austen Quarry 29 July 2020
Date: Friday, 24 July 2020 8:36:07 AM

Hi James

Thanks for your email – at this stage I do not have particular concerns or issues.

Kind Regards

Melanie Hollis

A/Principal Policy Officer
Resource Assessments
Level 16, 4 Parramatta Square, 12 Darcy Street |
Locked Bag 5022| Parramatta NSW 2124
T 02 8217 2043 E melanie.hollis@planning.nsw.gov.au



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



Please consider the environment before printing this e-mail.

From: Hart, James <james.hart@aquas.com.au>
Sent: Thursday, 23 July 2020 11:59 AM
To: Melanie Hollis <Melanie.Hollis@planning.nsw.gov.au>
Subject: Independent Environmental Audit - Austen Quarry 29 July 2020

Hi Melanie,

AQUAS has been engaged to undertake an Independent Environmental Audit of the Austen Quarry operated by Hy-Tec. As a requirement of the Independent Environmental Audit process I am seeking feedback from various agencies in regard to any issues that may have arisen or concerns which you may have in relation to the construction operations. These will be included in the audit.

I would appreciate it if you would respond to this email prior to the site audit identifying any issues or concerns you have, or if you have none, please respond and let me know.

If you have any questions or prefer to talk to someone about issues regarding the development, you can contact me on 0408238682.

Please note that the audit will be conducted on 29 July 2020.



Austen Quarry SSD 6084 – Independent Environmental Audit – 29 July 2020

Response to Items Raised as Non-Compliances

Issue No.	Condition	Requirement	Issue sighted and Recommendation	Hy-Tec Response
01	Schedule 3 2A	The Applicant must carry out the development in accordance with the conditions of this consent.	The site was not compliant with the requirements of Schedule 3-11, Schedule 3-16, Schedule 5-3 or Schedule 5-6. As such, the site was considered non-compliant with Condition Schedule 3-2A.	This is noted. While Hy-Tec aims to achieve compliance with all conditional requirements, it is noted that the mostly administrative non-compliance issues have not threatened environmental harm. The improvement in compliance issues raised since the last audit (7 issues here versus 26 in 2017) is testament to the efforts of personnel to operate in an environmentally responsible manner.
02	Schedule 3 11	<p>The Applicant must:</p> <ul style="list-style-type: none"> • implement best practice management to minimise the dust emissions of the development; • regularly assess meteorological and air quality monitoring data and relocate, modify and/or stop operations on site to ensure compliance with the air quality criteria in this consent; • minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see note under Table 4); • monitor and report on compliance with the relevant air quality conditions in this consent; and • minimise the area of surface disturbance and undertake progressive rehabilitation of the site, <p>to the satisfaction of the Secretary.</p>	<p>Monitoring was not conducted for PM10/ TSP during the period 24/10/17 to 2/01/18, due to equipment failure.</p> <p>Recommendation: Consider providing alternative monitoring equipment during periods when equipment is under repair.</p>	<p>Hy-Tec will discuss the feasibility of installing replacement equipment during periods when the equipment on site is being repaired with our contracted supplier.</p> <p>The long history of compliance (with high particulate matter readings only occurring during periods when there are local bushfire) indicates that it is unlikely that exceedances of the criteria were missed during this period.</p>

Issue No.	Condition	Requirement	Issue sighted and Recommendation	Hy-Tec Response
03	Schedule 3 16 EPL12323 L2.4	The Applicant must comply with the discharge limits in any EPL, or Section 120 of the POEO Act.	Monitoring results for surface water discharges on 24/10/2017 reported a pH reading of 8.6, which was outside of the range specified in the environmental protection licence (6.5 to 8.5). Subsequent to the incident, a pH meter has been purchased and used for measuring pH prior to discharge. Recommendation: No further action required.	Water had been tested the previous day by a laboratory with a pH reading of 8.3. The following day during discharge it registered at 8.6. The results of testing during discharge were not received until the day after the water was discharged. As noted, this issue was immediately rectified by the purchase of a pH tester when it was identified. The pH meter permits personnel to measure pH at the point and time of the discharge.
04	Schedule 5 3 EPL12323 L2.4 EPL12323 M2.3	The Applicant must assess and manage development-related risks to ensure that there are no exceedances of the criteria and/or performance measures in Schedule 3. Any exceedance of these criteria and/or performance measures constitutes a breach of this consent and may be subject to penalty or offence provisions under the EP&A Act or EP&A Regulation. Where any exceedance of these criteria and/or performance measures has occurred, the Applicant must, at the earliest opportunity: <ul style="list-style-type: none"> • take all reasonable and feasible steps to ensure that the exceedance ceases and does not reoccur; • consider all reasonable and feasible options for remediation (where relevant) and submit a report to the Department describing those options and any preferred remediation measures or other course of action; and • implement remediation measures as directed by the Secretary; to the satisfaction of the Secretary.	The site had provided a report to the Department for the following occurrences: <ul style="list-style-type: none"> • pH of water discharged on 24/10/2017 did not comply with the limits identified in the EPL (L2.4). • air quality monitoring was not conducted during the period 24/10/2017 to 2/01/2018 (equipment breakdown). • Water quality monitoring was not conducted at Points 2 and 3 during the discharge event on 10/02/2020 (due to safety concerns - river in flood). Recommendation: Where an exceedance of the criteria and/or performance measures in Schedule 3 has occurred, Hy-Tec should provide a report to the Department describing preferred remediation measures or other course of action.	Hy-Tec acknowledge the omission in not notifying the regulator of the non-compliance issues. The company is aware of this responsibility and regularly notifies issues for this site and other operations. In this instance the failure to notify regulators following the pH exceedance was caused by the delay in results being returned from the laboratory and the minor nature of the exceedance. Failure to notify regulators of omitted monitoring and equipment repair resulted from a misunderstanding of the requirements. These issues were not considered an exceedance of the conditional requirements and therefore not considered an incident. It is understood that these are non-compliances with the performance criteria for the operation and should have been notified to the relevant regulators.

Issue No.	Condition	Requirement	Issue sighted and Recommendation	Hy-Tec Response
04 (Cont'd)	Schedule 5 3 (Cont'd)			All issues that are exceedances of criteria or non-compliances with performance criteria will be notified to the relevant regulators with a summary of intended remediation measures or alternative courses of action.
05	Schedule 5 6 EPL 12323 M2.3	<p>The Applicant must immediately notify the Secretary and any other relevant agencies of any incident. Within 7 days of the date of the incident, the Applicant must provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested.</p> <p>Water monitoring at Points 2 and 3 conducted monthly and daily during discharge from Point 1 for:</p> <ul style="list-style-type: none"> Oil and Grease / PH / Total suspended solids 	<p>The following non-compliances with EPL conditions had not been immediately reported to the Department:</p> <ul style="list-style-type: none"> pH of water discharged on 24/10/2017 did not comply with the limits identified in the EPL (L2.4). air quality monitoring was not conducted during the period 24/10/2017 to 2/01/2018 (equipment breakdown). Water quality monitoring was not conducted at Points 2 and 3 during the discharge event on 10/02/2020 (due to safety concerns - river in flood). <p>Recommendation: Incidents, including noncompliance with EPL conditions, should be reported to the Secretary in accordance with the requirements of Condition Schedule 5-6.</p>	See response to Non-Compliance issue 04 above.
06	Water Access Licence 25615 MW0036-00002	The volume of water taken in any three (3) consecutive water years from 1 July 2012 must be recorded in the logbook at the end of those three water years. The maximum volume of water taken in any three (3) consecutive water years permitted to be taken in those years must also be recorded in the logbook.	<p>While a logbook was maintained, the 3 year cumulative average and the maximum volume of water permitted to be taken in those years was not recorded in the logbook.</p> <p>Recommendation: Amend the logbook to include recording of the 3 year cumulative volume and the maximum volume of water permitted to be taken.</p>	This is an administrative omission. It is noted that Hy-Tec has never exceeded the annual volume of water provided under licence and therefore the 3-year cumulative volume would be much less than that permitted to be taken. Regardless, the logbook records have been updated to provide a running 3-year cumulative total (at the end of every water year (30 June).

Issue No.	Condition	Requirement	Issue sighted and Recommendation	Hy-Tec Response
07	Environmental Management Strategy 3.4	Update Material Safety Data Sheet Register – Event based or annually.	<p>During the audit inspection it was noted that the hard copy files of the MSDSs stored at the site had not been updated recently. Some of the records were greater than 5 years old. This non-compliance issue was raised in the previous audit and remains open.</p> <p>Recommendation: Safety data sheets should be updated whenever changes occur or at least every 5 years. The most recent version of safety data sheets should be retained.</p>	<p>As noted in response to this issue at the previous audit, personnel principally rely on online MSDS records. However, it is accepted that having two different sources available on site may be confusing, especially if one is no longer up to date.</p> <p>Following the previous audit all hard copy MSDS records were updated, however the older records were retained under what the Quarry Manager mistakenly believed was required for internal record keeping.</p> <p>Hy-Tec has reviewed the hard copy MSDS records held at the Quarry and updated these to include the most recent and relevant version of the relevant sheet.</p>