

BARNETT & MAY

Oberon Quarries

Independent Environmental Audit

Prepared for
Oberon Quarries Pty Ltd.

Client representative
Marina Holmes

Date
28 February 2020

Rev 1



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Prepared by — K. Holmes		Date 28 February 2020
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Revision History

Rev No.	Description	Prepared by	Reviewed by	Authorised by	Date
0	Final Report	K. Holmes	A. Wilkins	K. Holmes	20 January 2020
1	Revised Final Report	K. Holmes	A. Wilkins	K. Holmes	28 February 2020

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1. Introduction

The Oberon Quarry (Oberon Quarries Pty Ltd) is located approximately 4 kilometres south of Oberon, New South Wales. The quarry was established by and is owned and operated by the Hargraves family for thirty years.

The purpose of the audit, that was undertaken in accordance with the **Barnett and May's** proposal (dated 8 September 2019), was to determine if the compliance obligations contained in the Project Approval (SSD 6333) Part C, Conditions 5 and 6, which states:

C5: Within one year of commencement of development on the site under this approval, and every three years thereafter, unless the Secretary directs otherwise, the Proponent shall commission and pay the full cost of an Independent Environmental Audit of the project. The audit must:

(a) be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;

(b) include consultation with the relevant agencies;

(c) assess the environmental performance of the project and assess whether it is complying with the requirements in this approval and any relevant EPL or Mining Lease (including any assessment, plan or program required under these approvals);

(d) review the adequacy of strategies, plans or programs required under the abovementioned approvals; and

(e) recommend appropriate measures or actions to improve the environmental performance of the project, and/ or any assessment, plan or program required under the abovementioned approvals.

C6: Within 6 weeks of the completing of this audit, or as otherwise agreed by the Director-General, the Proponent shall submit a copy of the audit report to the Director-General, together with its response to any recommendations contained in the audit report.

The Audit was commissioned on October 2019 following approval of the audit team by DPIE. The site inspection was undertaken by Ken Holmes (Accredited Lead Auditor) of Barnett & May 3 December 2019. The audit covered the period from 1 January 2017 to 30 November 2019 (the Audit Period).


1.1 Oberon Quarry Continuation Project.

Oberon Quarries was granted Approval for the Oberon Quarry Continuation Project on 14 September 2015. The Approval allowed the quarry to operate for a further thirty years. The Development Consent allows for continued operations of the Oberon Quarry across a broader area which will enable the extraction of additional basalt resources. The Development Consent provides for a maximum production level of 400,000 tonnes per annum (tpa) and the transport of up to 3,000 tonnes per day of quarry product from the quarry.

2. Definitions

Acronyms	Description
ACHMP	Aboriginal Cultural Heritage Management Plan
AR	Annual Review
AQGMP	Air Quality and Greenhouse Gas Management Plan
BMP	Blast Management Plan
CPI	Consumer Price Index
DPE	Department of Planning and Environment (former planning department name)
DPI	(former) Department of Primary Industries
DPIE	Department of Planning, Industry and Environment.
EMS	Environmental Management System
EMSt	Environmental Management Strategy
EPA	NSW Environment Protection Authority
EP&A Act	NSW Environmental Planning and Assessment Act
EPL	Environmental Protection License
GMP	Groundwater Management Plan
IEA	Independent Environmental Audit
LMP	Landscape Management Plan
NMP	Noise Management Plan
OEMP	Operational Environmental Management Plan
PIRMP	Pollution Incident Response Management Plan
RMP	Rehabilitation Management Plan
SWB	Site Water Balance
TMP	Traffic Management Plan
TPA	Tonnes per annum
WMP	Water Management Plan

3. Auditor Certification

Independent Audit Certification Form	
Development Name	Oberon Quarry Continuation Project
Development Consent No.	SSD 6333
Description of Development	Hard Rock Quarry
Development Address	Hargraves Road, Oberon, New South Wales
Proponent	Oberon Quarries Pty Ltd
Operator Address	Hargraves Road, Oberon, New South Wales
Title of Audit	Oberon Quarries Independent Environmental Audit
<p><i>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:</i></p> <ul style="list-style-type: none"> <i>The audit has been undertaken in accordance with relevant approval condition(s) and in general accordance with the auditing standard AS/NZS ISO 19011:2011 and in general conformance with the DPE's Independent Audit Post Approval Requirements (June 2018).</i> <i>The findings of the audit are reported truthfully, accurately and completely;</i> <i>I have exercised due diligence and professional judgement in conducting the audit;</i> <i>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> <i>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> <i>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);</i> <i>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> <i>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.</i> <p><i>Note.</i></p> <p><i>a) The Independent Audit is an 'environmental audit' for the purposes of section 122B (2) of the Environmental Planning and Assessment Act 1979. Section 122E provides that a person must not include false or misleading information (or provide information for inclusion in) an audit report produced to the Minister in connection with an environmental audit if the person knows that the information is false or misleading in a material respect. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000.</i></p> <p><i>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).</i></p>	
Signature	
Name of Lead/Principal Auditor	Ken Holmes
Address	4 Baeckea Place, Frenchs Forest, NSW
Email Address	ken@baeckea.com.au
Auditor Certification (if relevant)	Exemplar Global 14065
Date	28 February 2020

3.1 Auditee Details

Audit Title:	Oberon Quarry Independent Environmental Audit
Site:	Oberon Quarries Independent Environmental Audit
Client Contact:	Marina Holmes
Position:	OH&S Officer
Client:	Oberon Quarries Pty Ltd
Client Address:	Hargraves Road, Oberon, New South Wales
Client Phone Number	02 6336 0259
Client Email:	marina@oberonquarries.com.au
Audit Team:	Ken Holmes – Certified Lead Auditor
Auditor’s Telephone:	0438 046 261
Auditor’s Email:	ken@baeckea.com.au
Date of Site Visit	3 December 2019
Audit Scope:	The audit was undertaken as per the brief outlined in the Barnett and May proposal (dated 8 September 2019). As such, the audit provides an assessment of the compliance of the project with the conditions Consent SSD 6333.

4. Audit process

The audit process and methodology are summarised in this section, and comprised the following key undertakings:

- Preliminary planning activities
- Review of information and preparation of a compliance register (audit protocol / checklist)
- Site inspection and interviews:
 - Opening meeting
 - Site inspection
 - Review of relevant records
- Review of additional information provided after the site inspection
- Preparation of this audit report.

4.1 Preliminary activities

Off-site planning for the site audit comprised:

- Initial discussions with client representative, to organise the site inspection and access to audit documentation
- Prepare the audit compliance checklist
- Completion of a project specific Risk Assessment
- Review of online information
- Submission of a preliminary document / record request
- Consultation with relevant agencies.

4.1.1 Approval of audit teams

Benedicts sought the Secretary's endorsement for the audit team to undertake this Independent Environmental Audit. The Secretary approved Ken Holmes – Certified Lead Auditor on 17 September 2019 (Appendix C):

4.1.2 Consultation with Agencies

The Auditor consulted with the following agencies during the audit planning stage:

- Department of Planning, Industry and Environment (DPIE);
- Department of Resources and Energy (DRE);
- NSW Environment Protection Authority (EPA);
- Oberon Council (Council)

Emails were initially sent (via Email) to each of the above agencies advising them of the audit and the scope of the audit and inviting them to provide comments/requirements or specific environmental issues they required the audit to target. Where required (where no response was provided by the nominated stakeholder organisation, a follow up email was sent to repeat the invitation to provide input into the audit.

4.2 Information Review and Compliance Register

Prior to the site inspection the Auditor prepared a detailed audit checklist (spreadsheet) that was used to assess and track compliance. This spreadsheet formed the basis of the compliance register presented in the Appendices of this report.

4.3 Site audit

The site inspection component of the audit was undertaken on 3 December 2019.

4.3.1 Opening Meeting

Following site inductions, the opening meeting was held on-site. It was attended by the following personnel:

- Jake Hargraves (Chief Financial Officer)
- Marina Holmes (HSE Coordinator)
- Ken Holmes (Lead Auditor) – Barnett and May.

Introductions were made, and the purpose and scope of the audit was outlined. An explanation of the audit process was communicated. That is, a site inspection, site interviews and detailed review of records in order to identify compliance with the approval conditions relevant to the current operations at the site.

4.3.2 Site Inspections

An inspection of the site was undertaken by the Auditor, accompanied by Jake Hargraves and Marina Holmes. The site inspection included observation of:

- Site Access and Security;
- Quarry Pit;
- Surface infrastructure;
- Crushing Plant;
- Waste storage areas;
- Fuel and dangerous goods storage areas;
- Equipment maintenance area;
- Rehabilitation Areas; and
- Surface water management infrastructure.

4.3.3 Site Interviews

Audit interviews comprised of a series of meetings with:

- Jake Hargraves (Chief Financial Officer)
- Marina Holmes (HSE Coordinator)
- Neil Hargraves (Chief Executive Officer)

4.3.4 Document review

Compliance related documents that were not available prior to, and during site discussions of, the audit, were requested to be provided following the audit. The Auditee’s personnel assisted with the provision of documentation following the audit, through secure file transfer mechanisms. The key documents reviewed during this audit are listed in the Compliance Registers against specific conditions.

4.4 Reporting

The compliance register was completed using notes and observations recorded during the site inspection / interviews and review of appropriate documentation. The completed compliance register is presented in **Appendix B**. A summary of the non-compliances identified during this audit are provided in Table 4 **Error! Reference source not found.** The audit criteria used to determine compliance for this audit is defined in Table 1.

Table 1 - Compliance Assessment Matrix

Assessment	Criteria
Compliance	<p>Compliance</p> <ul style="list-style-type: none"> The site complies with the requirements of applicable pre-operational Consent Conditions. A judgment made by an auditor that the activities undertaken, and the results achieved fulfil the specified requirements of the audit criteria. While further improvements may still be possible, the minimum requirements are being met.
Non-Compliance	<p>Non-Compliance</p> <ul style="list-style-type: none"> Clear evidence has been collected to demonstrate the requirement has not been complied with and is within the scope of the audit. Site displays little or no evidence of compliance with the requirements of the regulatory documentation. <p>Note: Where the auditor has not been able to collect enough 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. In the absence of enough verification, the auditor may in some instances be able to verify by other means (visual inspection, personal communication, etc.) that a requirement has been met. In such a situation, the requirement should still be assessed as not verified. As the condition cannot be verified it is treated as a non-compliance.</p>
Not Triggered	<p>Not Applicable / Not Triggered</p> <ul style="list-style-type: none"> The respective condition / requirement was not activated within the scope of the audit.
Noted	A statement or fact, where no assessment of compliance is required.

Risk levels for each non-compliance identified have been assessed in accordance with Table 2.

Table 2 - Risk Assessment Matrix

Risk Level	Description
High	Non-compliance with potential for significant environmental consequences, regardless of the likelihood of occurrence.
Medium	Non-compliance with: <ul style="list-style-type: none"> • potential for serious environmental consequences, but is unlikely to occur; or • potential for moderate environmental consequences but is likely to occur.
Low	Non-compliance with: <ul style="list-style-type: none"> • potential for moderate environmental consequences, but is unlikely to occur; or • potential for low environmental consequences but is likely to occur.
Administrative non-compliance	Only to be applied where the non-compliance does not result in any risk of environmental harm (e.g. submitting a report to government later than required under approval conditions).

5. Stakeholder Consultation

Table 3 - Summary of Stakeholder Inputs provides a summary of the Stakeholder Consultation undertaken by the Auditors.

Table 3 - Summary of Stakeholder Inputs

Department	Contact	Consultation Actions	Stakeholder Comments	Auditor Response
DPIE	Paul Rutherford	Email consultation request: 1 November 2019	<p>Generally, DPIE do not have concerns about the operation issues that should be covered in the Audit include:</p> <ul style="list-style-type: none"> • Dust • Noise • Hours of Operation - A complaint was received by the Department relating to noise from out of hours operations. • Follow up actions from the previous IEA 	Noise / dust / operational hours have been covered in this audit. The audit has reviewed the actions required by the last DPIE site inspection and those related to the last Annual Report.
DPIE Mining	Ron Dillion	Email consultation request: 1 November 2019	No comments received	
EPA	Andrew Helms	Email consultation request: 1 November 2019	Operationally we do not have too many concerns with the Oberon Quarry, and I don't believe that we have received any complaints from neighbours over the past 3 years. I was in the Oberon area on 18 October 2019 and undertook a drive-by inspection of Oberon Quarries. I observed localised dust above the crushing/stockpile area although this dust did not appear to be travelling away from this area (not off-site). I could see the potential, however, for neighbours to be concerned by the presence of this 'cloud' above the processing area. Oberon	Noise / dust / operational hours have been covered in this audit. The audit has reviewed quarry management systems and as a result the Auditor has made recommendations for improvement.

Department	Contact	Consultation Actions	Stakeholder Comments	Auditor Response
			<p>Quarries' dust management procedures, and adherence to them, could be an area for your audit to look in to.</p> <p>Administratively, Oberon Quarries appear to be having a few issues. EPA Head Office issued an Official Caution last September for the late submission of their Annual Return. This follows on from consecutive years of late submission of the AR. Neil needs to sort this area of his business out otherwise he will automatically receive a fine if the same thing happens next year.</p> <p>Also, I undertook a compliance inspection of the site in February 2018 and there was some trouble locating the Pollution Incident Response Management Plan (PIRMP) and little knowledge of its existence/purpose. The staff that I was dealing with at the time were not familiar with the PIRMP and it appeared to me that perhaps only Neil and his son Luke knew about it (they were both absent on this day). I hope that this situation has since changed and that all staff/contractors are now aware of the PIRMP, its contents and appropriate emergency response procedures.</p>	
Oberon Council	General Email contact	Email consultation request: 1 November 2019.	No comments received	

6. Statutory Compliance and Recommendations

Compliance with the Conditions of Consent and the Environment Protection Licence has been reviewed by assessing compliance against the various documentation related to project approval, as listed in section 2.2 of this report. The Compliance Register presented in Appendix B provides a detailed review of the compliance status of the site, including recommendations to address non-conformances.

6.1 Summary of Compliance Status

A summary of compliance with pre-operations statutory requirements is provided in Table 4 - Summary of Statutory Compliance. The number of conditions include sub-clauses within each approval document.

Table 4 - Summary of Statutory Compliance

Approval/ Licence	No. of Conditions	Compliant	Non- Compliant	Noted	Not Triggered
SSD_6663	145	106	22	4	13
SoC	15	11	3	0	1
EPL 4442	57	27	8	14	8
Total	217	144	33	18	22

6.2 Non-Compliances and other recommendations

Non-compliances identified during the site inspection, interviews and document reviews are recorded in detail in the Compliance Registers in **Appendix B** and are summarised in Table 5. Other recommendations are listed in **Error! Reference source not found.** Recommendations have been made to address all identified Non-Compliances and other identified recommendations.

Table 5 - Statutory Non-Compliances

No.	Condition	Observation	Recommendation	Risk Level
PROJECT APPROVAL – SSD 6333				
S2.2	The Proponent shall carry out the project generally in accordance with the: (a) EIS; (b) Statement of Commitments; and (c) conditions of this approval.	All conditions in this Approval have not been satisfied. Refer to specific non compliances described below.	Refer to Recommendations Below	Administrative non-compliance
S2.6	The Applicant shall not extract extractive materials below a level of 1125 m AHD.	A recent quarry surveyors report was not available at the time of the Audit to verify that the excavation limits were complied with.	Ensure that annual surveys of the quarry are undertaken to verify that the excavation limits are being complied with.	Administrative non-compliance
S2.17	By 30 November 2015, unless otherwise agreed with the Secretary, the Applicant shall: (b) submit a survey plan of these boundaries with applicable GPS coordinates to the Secretary.	No correspondence confirming that the survey plan was submitted to DPE was available during the audit.	Ensure that the survey plan showing the GPS location of the limits of excavation have been issued to the DPIE.	Administrative non-compliance
S3.4	The Proponent shall: (c) carry out noise monitoring (at least every 3 months, unless otherwise approved by the Secretary) to determine whether the development is complying with the relevant conditions of this consent;	No noise monitoring has been undertaken over the last four quarters of this Audit Period. Oberon Quarries considers that their agreements with landowners (agreeing that noise monitoring is only required following a noise complaint) is appropriate. Written approval from the Secretary (nor the EPA) has been given to cease quarterly noise monitoring.	Re-establish quarterly noise monitoring.	Low
S3.4	The Proponent shall: (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.	Noise monitoring is no longer undertaken, therefore a assessment of monitoring data has not been undertaken.	Re-establish quarterly noise monitoring and assessment of the noise monitoring results.	Low

No.	Condition	Observation	Recommendation	Risk Level
S3.6	<p>The Proponent shall ensure that blasting on the site does not cause exceedances of the criteria in Table 3.</p> <p>a) Air blast Over Pressure - 120 dB(Lin Peak) / 115 120 dB(Lin Peak) 5% of the total number of blasts per year</p> <p>b) Ground Vibration 10 mm/s / 5 mms/s 5% of the total number of blasts per year</p>	<p>Seven production blasts were undertaken in the 2017 calendar year. One exceedance in blast over pressure was recorded.</p> <p>Five production blasts were undertaken during the 2018 Calendar Year. One blast (22 January 2018) exceeded the over pressure limit and represented 5% of the blasts undertaken.</p> <p>Seven production blasts were undertaken in the 2019 calendar year (to date).</p>	<p>1. Review the blasting procedures to determine the causes of the exceedances and modify the blasting procedures as necessary.</p>	Low
S3.10	<p>The Proponent shall ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the project do not exceed the criteria listed in Table 4 at any residence on privately-owned land.</p>	<p>Monthly dust deposition monitoring (Photo #3) is undertaken, however no TSP or Particulate matter testing is undertaken. Therefore, compliance against the TSP and Particulate Matter criteria could not be verified.</p> <p>Dust deposition testing over the Audit Period: no exceedances were detected in 2019 (year to date), 2018 or 2017.</p>	<p>Expand the air quality monitoring program to include TSP and Particulate Matter monitoring.</p>	Low
S3.11	<p>The Proponent shall:</p> <p>(a) implement best practice management to minimise the dust emissions of the development;</p>	<p>The AQMP details the controls to be implemented. All controls except the use of the wheel wash are able to be implemented.</p> <p>There appears to be no provision dust control in pit stockpiles.</p>	<p>1. Recommission the truck wheel wash.</p> <p>2. Consider the provision of mobile water spray to permit dust suppression to be undertaken on stockpiles during adverse weather conditions.</p>	Low
S3.11	<p>The Proponent shall: (c) minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see noted under Table 4);</p>	<p>No procedure has been developed (and documented in the AQMP) to minimise dust impacts during adverse meteorological (and other) conditions.</p>	<p>Develop and implement a procedure minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events and document</p>	Administrative non-compliance

No.	Condition	Observation	Recommendation	Risk Level
			that procedure in the AQMP.	
S3.11	The Proponent shall: (e) implement all reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site;	No procedures or controls for the minimisation of greenhouse gas emissions have been developed, implemented and documented in the AQMP.	Develop and implement a procedure minimise greenhouse gas emissions and document that procedure in the AQMP.	Administrative non-compliance
S3.12	The Proponent shall prepare and implement an Air Quality Management Plan for the project to the satisfaction of the Secretary. This plan must: (d) include an air quality monitoring program that: <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. 	Air Quality monitoring program is detailed in Section 6.1 of the Noise Management Plan. The air quality monitoring program does not cover monitoring for TSP and Particulate Matter.	Include annual TSP and Particulate testing in the dust monitoring program	Low
S3.15	Unless an EPL authorises otherwise, the Applicant shall comply with Section 120 of the POEO Act.	Non compliances with blast over pressure were identified during the audit. A Non-compliance in relation to the dust and water monitoring procedures was identified during the audit.	Refer to EPL recommendations below	Low
S3.18	The Applicant shall ensure that: (c) all laden trucks exiting the site are cleaned of material that may fall on the road, before leaving the site;	Dust and loose material is not actively removed from product trucks prior to leaving the site. The requirement for loose material to be removed from all trucks is contained in both	Recommission the truck wheel wash.	Low

No.	Condition	Observation	Recommendation	Risk Level
		the Transport Management Plan and the Driver Code of Conduct.		
S3.24	The Applicant shall prepare and implement a Landscape and Rehabilitation Management Plan for the development to the satisfaction of the Secretary. This plan must:	<p>Section 5 of the Landscape and Rehabilitation Management Plan describes the measures to be implemented to ensure compliance with the rehabilitation objectives.</p> <p>The following commitments made in the Plan were not being implemented at the time of the Audit:</p> <p>a) regular weed inspections and weed control</p> <p>b) establishment of Rehabilitation Monitoring.</p>	Ensure that all measures detailed in the LRMP are implemented in accordance with the Plan.	Low
S3.24	The Applicant shall prepare and implement a Landscape and Rehabilitation Management Plan for the development to the satisfaction of the Secretary. This plan must:	<p>Section 7 of the Landscape and Rehabilitation Management Plan describes the landscape monitoring that will be undertaken to measure progress and performance.</p> <p>While significant rehabilitation works have not been commenced, the Plan requires the establishment of Residual Vegetation Monitoring and Annual Rehabilitation Monitoring. The programs have not been implemented.</p>	Implement the preliminary survey and monitoring of residual vegetation sites.	Low
S3.25	Within 6 months of the approval of the Landscape and Rehabilitation Management Plan, the Applicant shall lodge a Rehabilitation Bond with the Department to ensure that the rehabilitation of the site is implemented in accordance with the performance and completion criteria set out in the	The required rehabilitation bond is in place. The Bond (bank guarantee) was issued in September 2018, while the LRMP has initially approved in May 2016. The bond was therefore not provided to DPIE within the required six months. A further direction from DPIE for finalisation of the Bond by 30	No action required as the Bond is now in place.	Administrative non-compliance

No.	Condition	Observation	Recommendation	Risk Level
	plan and relevant conditions of this consent	April 2018 was not met.		
S3.28	The Applicant shall: (b) minimise the waste generated by the development;	There is no program in place to minimise wastes.	Undertake a review of waste generation and identify opportunities for waste minimisation.	Low
S3.28	The Applicant shall: (c) ensure that the waste generated by the development is appropriately stored, handled, and disposed of; and	In general, the management and storage of waste materials were being undertaken in a competent manner with the exception of waste batteries and oils associated with come derelict equipment.	<p>1. Ensure that used batteries are stored in an appropriate roofed and bunded area (or on a bunded pallet).</p> <p>2. Stock piling of used batteries should be avoided. Batteries should be disposed of by (by recycling) via an appropriately licenced waste contractor.</p> <p>3. Ensure oils are drainage (and collected) from derelict equipment and disposed of by an appropriately licenced waste contractor.</p>	Low
S4.1	As soon as practicable after obtaining monitoring results showing: (a) an exceedance of any relevant criteria in Schedule 3, the Applicant shall 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	Blast overpressure exceedances were recorded during the Audit Period. No documentation was available to the Audit verifying that relevant landowners had been notified in accordance with this Condition.	No action required as the quarry now has a written agreement with the (one) potentially impacted landowners agreeing to exceedances in noise and blast criteria.	Administrative non-compliance
S5.5	The Proponent shall assess and manage project-related risks to ensure that there are no exceedances of the criteria and/or performance measures in schedule 3. Any exceedance of these criteria and/or performance measures constitutes a breach of this approval and may be subject to penalty or offence provisions under the EP&A Act or	Refer to Non Compliances listed above	Refer to specific recommendations above	Administrative non-compliance

No.	Condition	Observation	Recommendation	Risk Level
	EP&A Regulation.			
S5.9	By the end of March each year, the Proponent shall review the environmental performance of the project to the satisfaction of the Director-General.	While annual reviews have been published each year, the 2017 Annual review was issued three months late.	Ensure that Annual Reviews are published before the end of March each year.	Administrative non-compliance
S5.12	Prior to the commencement of construction on the site, the Proponent shall: (iii) all approved strategies, plans and programs required under the conditions of this approval;	<p>The following plans have been uploaded to the Oberon Quarries Website:</p> <ul style="list-style-type: none"> a) 2018 Pollution Incident Response Management Plan b) Noise Management Plan c) Blast Management Plan d) Air Quality Plan e) Water Management Plan f) Transport Management Plan g) Landscape and Rehabilitation Management Plan h) Environmental Management Strategy <p>The superseded versions of the plans are currently loaded onto the website.</p>	Upload the 2018 versions of the EMS and Plans onto the website.	Administrative non-compliance
Statement of Commitments				
SOC 5	<p>Oberon Quarries has committed to implementing the following dust management and mitigation practices:</p> <ul style="list-style-type: none"> • mist sprays on conveyors discharging to product 	<p>The AQMP details the controls to be implemented. All controls except the use of the wheel wash are able to be implemented.</p> <p>There appears to be no provision dust</p>	<ol style="list-style-type: none"> 1. Recommission the truck wheel wash. 2. Consider the provision of mobile water spray to permit dust suppression to be undertaken on 	Low

No.	Condition	Observation	Recommendation	Risk Level
	<p>stockpiles;</p> <ul style="list-style-type: none"> • undertaking preventative maintenance on all dust suppression plant and equipment; • truck wheel wash facility will be maintained to be fully functional; 	control in pit stockpiles.	stockpiles during adverse weather conditions.	
SOC 10	<p>To ensure the archaeological impacts of the quarry are minimised, Oberon Quarries has committed to implementing the following management and mitigation measures:</p> <ul style="list-style-type: none"> o Oberon Quarries should ensure that all parties involved in the Project are aware that it is an offence under Section 86 of the NPW Act to harm or desecrate an Aboriginal object unless that harm or desecration is the subject of an AHIP; o in the event that an Aboriginal object (or objects) is uncovered during the proposed works, ground disturbance works will cease within 20 metres of the object(s) and OEH and the relevant Aboriginal parties will be contacted so that appropriate management strategies can be identified; 	<p>There has been no training (toolbox session or information in the site induction) to inform staff that it is an offence under Section 86 of the NPW Act to harm or desecrate an Aboriginal object unless that harm or desecration is the subject of an AHIP.</p> <p>There is no "unexpected finds procedure" or training that informs employees or contractors of what to do if a suspected heritage artefact is found.</p>	Develop training materials to cover Heritage issues and undertake that training for staff and any contractors involved in vegetation clearing or excavation work.	Low
SOC 11	There are a number of mitigation and management measures proposed to be implemented for the ongoing operations. These are outlined in Table 7.2	No procedures or controls for the minimisation of greenhouse gas emissions have been developed, implemented and documented in the AQMP.	Develop and implement a procedure to minimise greenhouse gas emissions and document that procedure in the AQMP.	Administrative non-compliance
ENVIRONMENTAL PROTECTION LICENCE 4442				
L5.1	The air blast overpressure level from blasting operations at the premises must not exceed 115dB (Lin Peak) at any noise sensitive locations for more than five per cent of the total number of blasts over each reporting period. Error margins associated with any monitoring equipment used to measure this are	<p>Seven production blasts were undertaken in the 2017 calendar year. One exceedance in blast over pressure was recorded.</p> <p>Five production blasts were undertaken during the 2018 Calendar Year. One blast</p>	Review the blasting procedures to determine the causes of the exceedances and modify the blasting procedures as necessary.	Low

No.	Condition	Observation	Recommendation	Risk Level
	not to be taken into account in determining whether or not the limit has been exceeded.	(22 January 2018) exceeded the over pressure limit and represented 5% of the blasts undertaken. Seven production blasts were undertaken in the 2019 calendar year (to date).		
L5.2	The air blast overpressure level from blasting operations at the premises must not exceed 120dB (Lin Peak) at any time at any noise sensitive locations. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.	Seven production blasts were undertaken in the 2017 calendar year. One exceedance (19 July 2017, 128.7 dB (Lin Peak)) in blast over pressure was recorded. Five production blasts were undertaken during the 2018 Calendar Year. One blast (22 January 2018) exceeded the over pressure limit and represented 5% of the blasts undertaken. Seven production blasts were undertaken in the 2019 calendar year (to date).	Review the blasting procedures to determine the causes of the exceedances and modify the blasting procedures as necessary.	Low
O1.0	Licensed activities must be carried out in a competent manner. This includes b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.	In general, the management and storage of waste materials were being undertaken in a competent manner with the exception of waste batteries and oils associated with come derelict equipment.	1. Ensure that used batteries are stored in an appropriate roofed and bunded area (or on a bunded pallet). 2. Stock piling of used batteries should be avoided. Batteries should be disposed of by (by recycling) via an appropriately licenced waste contractor. 3. Ensure oils are drainage (and collected) from derelict equipment and disposed of by an appropriately licenced waste contractor.	Low
O3.0	Licensed activities must be carried out in a competent manner. This includes: The premises must be maintained in a condition which minimises	The AQMP details the controls to be implemented. All controls except the use of the wheel wash are able to be implemented.	1. Recommission the truck wheel wash. 2. Consider the provision of mobile	Low

No.	Condition	Observation	Recommendation	Risk Level
	or prevents the emission of dust from the premises.	There appears to be no provision dust control in pit stockpiles.	water spray to permit dust suppression to be undertaken on stockpiles during adverse weather conditions.	
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.	While the monitoring and testing results are maintained (in summary form), full details of the sampling and testing in accordance with this condition is not maintained by Oberon Quarries.	Ensure that the consultants contracted to undertake monitoring and testing on behalf of the quarry provide full details of sampling and testing in accordance with this Condition.	Administrative non-compliance
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.	While copies of correspondence related to some of the complaints received, and summaries of the complaints received were available during the audit, a "Complaints Register" containing the information required by this condition was not being maintained.	Establish and maintain a detailed complaint register (for internal use, not for public distribution) that includes the details required in the EPL Condition.	Administrative non-compliance
M4.3	The record of a complaint must be kept for at least 4 years after the complaint was made.	While copies of correspondence related to some of the complaints received, and summaries of the complaints received were available during the audit, a "Complaints Register" containing the information required by this condition was not being maintained.	Establish and maintain a detailed complaint register (for internal use, not for public distribution) that includes the details required in the EPL Condition.	Administrative non-compliance
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').	All annual returns prepared during the audit period where not submitted on time.	Ensure that all future Annual Returns are submitted within the required timeframe.	Administrative non-compliance

7. Independent Audit Post Approval Requirements

This audit focused on the pre-operational compliance requirements established by the Conditions of Approval. While the scope of the audit, as specified in the Conditions of Consent do not refer specifically to the DPIE Independent Audit Post Approval Requirements (DPIE, June 2018), for completeness the Audit has, where possible assessed the environmental performance of the project.

7.1 Project Environmental Management System

Oberon Quarries does not operate under a formal Environmental Management System (EMS). While the implementation of a formal EMS does not guarantee that an organisation will achieve high levels of environmental compliance, Oberon Quarries would benefit from the implementation of more structure around managing environmental compliance obligations.

The relatively high number of non-compliances identified in this audit also indicate that there is insufficient environmental resourcing allocated to this operation. The quarry has no on-site environmental and therefore rely on site management to manage their environmental compliance obligations.

Where site management have limited access to environmental resources the level of environmental expertise required by site management increases significantly. The required level of environmental understanding was not apparent during the audit. It is therefore recommended that a more detailed review of the environmental management of the facility be undertaken, however as a minimum, the following environmental management system elements should be developed and implemented at the facility:

1. Environmental Resourcing: an experienced environmental officer should allocate on average one week per month to the site for site inspections, compliance reviews, training and provision of support to site management.
2. Training: prepare a detailed environmental awareness training course (site specific) and provide to all site staff. This training should cover all the key environment risks and compliance obligations and needs to be updated (including training) annually.
3. Procedures – prepare simple procedures to cover:
 - a. Complaints management
 - b. Environmental monitoring and inspections
 - c. Environmental Monitoring and reporting
4. Environmental Checklists and inspections – prepare a weekly and monthly environmental checklist that cover all the environmental requirements of the approval documents and the Environmental Management Strategy.
5. Environmental Records – establish a system to maintain the following records:
 - a. External Audits / Compliance
 - b. Environmental Training
 - c. Routine site inspections (and actions)
 - d. Complaints
 - e. Environmental Incidents
 - f. Water Monitoring Results
 - g. Dust Monitoring Results
 - h. Noise Monitoring Results
 - i. Blast Monitoring Results

7.2 Implementation of the Operational Environmental Management Plan and Sub-plans

The Conditions of Approval required the preparation and implementation of the following management plans:

- Air Quality Management Plan;
- Blast Management Plan;
- Environment Management Strategy;
- Landscape and Rehabilitation Management Plan;
- Noise Management Plan;
- Pollution Incident Response Management Plan;
- Transport Management Plan;
- Water Management Plan;

During the document review phase of the Audit the contents of each of the plans was reviewed and found to meet the requirements of the Approval. In addition, the Plans and Programs adequately identified the relevant project risks and proposed appropriate risk management controls. However, it was noted that some of the non-compliances identified during the audit were related to the implementation of the Plans.

The recommendations made in Section 7.1 would assist in improving compliance and environmental performance.

7.3 Specialist Auditor Reports

No specialist auditor reports were prepared as part of this audit.

7.4 Status of Previous IEA Findings

The previous audit was completed in January 2017. Table 6 lists each non-compliance identified during the 2016 Audit and the status of those non-compliance. Of the ten (10) non-compliances recorded in the 2016 Independent Environmental Audit eight have been actioned and closed, while two remain open. Note that those outstanding non-compliances are included in the detailed compliance table presented in Appendix B.

Table 6 - Status of 2016 Audit Findings

Condition Number	Detail	Status	Auditor Comments
Planning Approval SSD_6333 (Consolidated)			
S3.4	The Proponent shall implement best practice management to minimise the operational and road transportation noise of the development; (c) carry out noise monitoring (at least every 3 months, unless otherwise approved by the Secretary) to determine whether the development is complying with the relevant conditions of this consent;	Closed	Quarterly noise monitoring was undertaken over the Audit Period.
S3.16	The Applicant shall prepare and implement a Water Management Plan for the development to the satisfaction of the Secretary. This plan must: (c) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary;	Closed	The plan has been submitted and no further actions are required. Subsequent revisions of the Environment Management Strategy and related plans have been submitted to DPIE for review and approval.
S3.18	The Applicant shall 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;	Closed	All Oberon Quarry trucks observed had the required signage.
S3.19	Within 6 months from the date of this consent the Applicant shall provide and install "Intersection Advance" (G1-207) warning signage on the eastbound approach to the intersection of Duckmaloi Road and Titania Road.	Closed	The required signage has been installed.
S3.25	Within 6 months of the approval of the Landscape and Rehabilitation Management Plan, the Applicant shall lodge a Rehabilitation Bond	Closed	The Bond has been established in accordance with the Condition.

Condition Number	Detail	Status	Auditor Comments
	with the Department to ensure that the rehabilitation of the site is implemented in accordance with the performance and completion criteria set out in the plan and relevant conditions of this consent.		
S3.28	The Applicant shall: (d) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary.	Closed	Waste management and minimization is now reported in the Annual Reports.
S5.10	Within one year of commencement of development on the site under this approval, and every three years thereafter, unless the Secretary directs otherwise, the Proponent shall commission and pay the full cost of an Independent Environmental Audit of the project.	Closed	The Auditor was approved by DPIE on 17 September and the Auditor was commissioned immediately after that approval was received.
Water Management Plan			
S4.3	Water use including the extraction from Racecourse Creek and management of water consumption will be reported in the Oberon Quarry Annual Review.	Closed	Section 7.1.4 of the Annual Plan report on water take from Racecourse Creek.
Environmental Management Strategy			
S5.3	As a minimum, environmental inspections will be undertaken monthly to assist in environmental management of the quarry and determine compliance with legislation, standards, codes and other external requirements, the Development Consent and EPL. Inspections are to be conducted by the Quarry Manager or his/her delegate and be recorded according to document control procedures (see Section 2.2).	Open	The use of the environmental checklist has not been implemented.
Statement of Commitments			
Archeology	Oberon Quarries should ensure that all parties involved in the Project are aware that it is an offence under Section 86 of the NPW Act to harm or desecrate an Aboriginal object unless that harm or desecration is the subject of an AHIP;	Open	No training in relation to Aboriginal Archeology has been provided.

7.5 Operational Environmental Impacts

The assessment of actual impacts against those predicted in the EIS is provided in *Table 7*.

Table 7 - Predicted vs Actual Impacts

Category	Predicted Impact	Actual Impacts to Date
Air Quality	Modelling of the Quarry's direct and cumulative dust emissions are predicted to be below the EPA's PM10, Total Suspended Particulate (TSP) and depositional dust goals at all surrounding residences.	When controlled the dust levels emitted from the site are not significant and have not impacted local communities. However, there is potential for breaches of the dust limits if dust controls are not fully implemented during periods of adverse weather conditions.
Blasting	The EIS predicted that future blast operations and blast design can be modified such that overpressure and vibration is less than 115 dBL and 5 mm/second.	The blast over pressures measured, have on a number of occasions exceeded the EIS predicted levels.
Noise	<p>Modelling of the Quarry's activities indicated the noise levels were not predicted to exceed the target PNL of 35 dB(A) under calm conditions at all surrounding residences. The modelling however, identified potential exceedances under nonsignificant 3 m/s westerly winds, predicting noise levels of up to 41 dB(A) at Location 1 (Hackfath) during Quarry operations and 42 dB(A) during Quarry operations and product dispatch.</p> <p>Modelling also identified potential exceedances under temperature inversion conditions.</p> <p>The road traffic noise levels associated with product trucks travelling to and from the Quarry were not predicted to exceed the day or night-time period road traffic noise criteria.</p>	An agreement is in place with the one impacted landowner to permit exceedances in approved noise criteria. Previous noise monitoring confirms that the noise criteria cannot be met under all operational or weather conditions.
Surface Water	The EIS noted Quarry's existing water management system would be adequate to capture runoff within a series of existing on-site dams. Sediment Dams 1 and 2 are constructed to have sufficient surcharge capacity to contain 1600 m ³ runoff which is in excess of the runoff from the processing plant area from a 1 in 100 year 24 hour rainfall event of 154 millimetres (mm) of rain.	No water discharges have occurred during the audit period; therefore, no impacts have occurred.
Groundwater	Groundwater springs are located around the northern perimeter of Racecourse Hill, which are fed by groundwater flows from a gravel layer and will not be directly impacted by the Quarry's operation. No additional regional groundwater impacts are predicted to occur as a result of the Quarry.	No groundwater impacts were identified during the audit.
Biodiversity	The Quarry is not predicted to result in any additional ecological impacts on ecological values, threatened species or ecological communities.	No reports of native animal interactions on the site have been recorded. No further habitat removal has occurred during the audit period.
Heritage	There are no known sites of Aboriginal cultural heritage significance recorded at the Quarry. Therefore, there are no impacts to Aboriginal cultural heritage expected as part of Quarrying operations.	No heritage impacts have been identified during the audit.

Compliance Table



Appendix A

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S2.1	Terms of Approval	1. The Proponent shall 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 project.				During the audit no evidence of material harm to the environment was identified.	Compliance	
S2.2		The Proponent shall carry out the project generally in accordance with the: (a) EIS; (b) Statement of Commitments; and (c) conditions of this approval.				All conditions in this Approval have not been satisfied. Refer to specific non compliances described below.	Non-Compliance	1. Refer to Recommendations Below
S2.3		If there is any inconsistency between the above documents, the most recent document shall prevail to the extent of the inconsistency. However, the conditions of this approval shall prevail to the extent of any inconsistency.					Noted	
S2.4		The Proponent shall comply with any reasonable requirement/s of the Director-General 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.	1. Copy of all correspondence with the DPIE over the past three years.				Compliance	
S2.5	Lapsing of Consent	If the development has not been physically commenced within 5 years of the date of this consent, then this development consent shall lapse.					Not Triggered	
S2.6	Limits of Consent	The Applicant shall not extract extractive materials below a level of 1125 m AHD.				A recent quarry surveyors report was not available at the time of the Audit to verify that the excavation limits were complied with.	Non-Compliance	1. Ensure that annual surveys of the quarry are undertaken to verify that the excavation limits are being complied with.
S2.7		The Applicant may carry out quarrying operations on the site until 30 August 2045.					Noted	

PLANNING APPROVAL SSD 6333								
Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S2.8	Production Limits	The Applicant shall not transport more than 400,000 tonnes of quarry products from the site in any calendar year.	1. Product Transport Summary (Sep 2015 - Dec 2016) 2. Product Transport Summary (Jan 2017 - Dec 2017) 3. Product Transport Summary (Jan 2018 - Dec 2018) 4. Product Transport Summary (Jan 2019 - Sep 2019)			A review of the truck (product movements) for 2016, 2017, 2018 and 2019 indicated that the maximum annual product transport from the site over the Audit Period has been 376,952 tonnes.	Compliance	
S2.9		The Applicant shall not transport more than 3,000 tonnes of quarry products from the site on any day.	1. Product Transport Summary (Sep 2015 - Dec 2016) 2. Product Transport Summary (Jan 2017 - Dec 2017) 3. Product Transport Summary (Jan 2018 - Dec 2018) 4. Product Transport Summary (Jan 2019 - Sep 2019)			A review of the truck (product movements) for 2016, 2017, 2018 and 2019 indicated that the maximum average daily product transport from the site over the Audit Period has been 2,592 tonnes.	Compliance	
S2.10	Surrender of Existing Development Consents	Within 6 months of the date of this consent, or as otherwise agreed by the Secretary, the Applicant shall surrender the development consent (DA 92/164) for the existing operations on the site in accordance with clause 97 of the EP&A Regulation.	1. Letter from Oberon Quarries (N. Hargraves) to DPE (H Reed), titled "Surrender of Consent DA 96/164", dated 2 December 2015.			Compliance with this Condition was determined in the previous audit and verified in this audit.	Compliance	
S2.11		Prior to the surrender of development consent DA 92/164, the conditions of this consent shall prevail to the extent of any inconsistency with the conditions of development consent DA 92/164.					Noted	
S2.12	Structural Adequacy	The Proponent shall 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.		1. Interview Jake Hargraves (CFO) - no construction of new buildings or plant was undertaken since the last audit.		No construction was undertaken during the Audit Period	Not Triggered	
S2.13	Demolition	The Proponent shall ensure that all demolition work is carried out in accordance with Australian Standard AS 2601-2001: The Demolition of Structures, or its latest version.		1. Interview Jake Hargraves (CFO) - no demolition of buildings or plant has occurred undertaken since the last audit.		No demolition of plant or buildings was undertaken during the Audit Period	Not Triggered	
S2.14	Protection of Public Infrastructure	The Proponent shall: (a) repair, or pay the full costs associated with repairing, any public infrastructure damaged by the project; and (b) relocate, or pay the full costs associated with relocating, any public infrastructure.		1. Interview Jake Hargraves (CFO) - no public infrastructure has been impacted by the quarry.		No public infrastructure has been impacted by the project.	Not Triggered	

PLANNING APPROVAL SSD 6333								
Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S2.15	Operation of Plant and Equipment	The Proponent shall ensure that all plant and equipment used at the site, or to transport extractive materials from the site, is: (a) maintained in a proper and efficient condition; and (b) operated in a proper and efficient manner.	1. Site Manager's Diary (2019).	1. Interview Jake Hargraves (CFO) - maintenance of plant and equipment is undertaken on site by the Quarry Manager and Boiler Maker. The Quarry Manager inspects all operational plant weekly and records maintenance actions required in his diary.	1. During the site inspection plant and equipment sighted by the Auditor appeared to be operational and appropriately maintained.	While a formal maintenance management system has not been implemented, the informal system in place provides an adequate framework for plant and equipment maintenance.	Compliance	
S2.16	Production Data	The Applicant shall: (a) provide annual quarry production data to DRE using the standard form for that purpose; and	1. Return for Extractive Materials: year Ended 30 June 2017. 2. Return for Extractive Materials: year Ended 30 June 2018.			Copies of the extractive materials returns (on the DRE Standard Form) were sighted confirming that the annual quarry data has been provided to DRE.	Compliance	
		(b) include a copy of this data in the Annual Review (see condition 9 of Schedule 5).	1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017).			The Annual Reviews covering the Audit Period contained (Table 4.1) the annual production data for the operation.	Compliance	
S2.17	Identification of Approved Extraction Limits	By 30 November 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	1. Site survey plan prepared by Central West Survey, dated 25 October 2016.		1. Survey pegs showing the limits of extraction are in place around the quarry. Refer to Photo #8.	The site survey plan showed the limits of excavation. Survey pegs have been placed to show the limits of excavation.	Compliance	
		(b) submit a survey plan of these boundaries with applicable GPS coordinates to the Secretary.				No correspondence confirming that the survey plan was submitted to DPE was available during the audit. Finding: Not Verified.	Non-Compliance	1. Ensure that the survey plan showing the GPS location of the limits of excavation have been issued to the DPIE.
S2.18		While quarrying operations are being carried out, the Applicant shall 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.	1. Site survey plan prepared by Central West Survey, dated 25 October 2016.		1. Survey pegs showing the limits of extraction are in place around the quarry. Refer to Photo #8.	The site survey plan showed the limits of excavation. Survey pegs have been placed to show the limits of excavation.	Compliance	
S2.19	Development Contribution	The Applicant shall pay Council road maintenance contributions for the maintenance/repair of public roads. The contribution shall be: (a) paid at a rate of \$0.482 per tonne of extractive materials hauled from the site;	1. Summary of payments to Council for 2016 and 2017. 2. Invoice from Council for road levy contributions dated 29/10/2019.			A summary of payments to Council from July 2016 to May 2017 was sighted. The calculation of \$/tonne on the figures provided council correspondence confirmed that the payment rate was \$0.482 / tonne.	Compliance	

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		(b) paid every month based on the material transported in the preceding month; and	1.Summary of payments to Council for 2016 and 2017.			A summary of payments to Council from July 2016 to May 2017 was sighted. Monthly payments were made to council for the period covered by the record.	Compliance	
		(c) indexed annually to changes in the Consumer Price Index (All Groups).	1.Summary of payments to Council for 2016 and 2017. 2. Invoice from Council for road levy contributions dated 29/10/2019. 3. Letter from Oberon Council (T Boyd) to Oberon Quarry (letter prepared by Council to confirm the payment of the road levy), titled "Oberon Quarries Pty Ltd Commercial Road VINEYARD NSW 2765) ABN 12054994802", dated 27 February 2020.			The calculation of \$/tonne on the figures provided in the Council correspondence for 2019 showed that the road maintenance levy (\$8,301.76 for 17,223.56 tonnes) was \$0.482 per tonne. Council, in correspondence prepared for this Audit have confirmed that Oberon Quarries has made all road maintenance payments requested by Council.	Compliance	
S3.1	Hours of Operation	The Proponent shall comply with the operating hours: (a) Extraction operations 7am to 6pm Weekdays / 7am to 5pm Saturday. (b) Loading and Dispatch 6am to 10pm Weekdays / 6am to 5pm Saturday. (c) Construction and Maintenance 7am to 6pm Weekdays / 7am to 4pm Saturday. (d) Blasting 9am to 5pm Monday to Saturday	1.Record of Toolbox Training materials (not dated) titled "Noise Management Plan" that specifies the approved operational hours of the quarry. 2. Complaints Register 3. Email from DPIE to Oberon Quarries titled "Oberon Quarry concerns regards to operating outside of hours", dated 289 October 2018. 4. Email from Oberon Quarries titled "RE: Oberon Quarry concerns regards to operating outside of hours" dated 11 March 2019. 5. Letter from Oberon Quarries to DPIE dated 6 March 2019 stating that the noise may have been associated with the loading of trucks and that no crushing has been undertaken outside of the approved hours.	1. Interview Jake Hargraves (CFO) - a compliant was received last year relating to noise. This was due to noise from the loading of trucks, not crushing.		Toolbox training materials include information on the approved hours of operations. A compliant regarding noise from crushing activities occurring after 6pm. Correspondence relating to this complaint was received from DPIE. No action was taken by DPIE in relation to the complaint. The Auditor is satisfied that the noise complaint, while legitimate was not related to crushing outside of approved hours.	Compliance	
S3.2		The following activities may be carried out on the site outside the hours specified in condition 1: (a) delivery or dispatch of materials as requested by Police or other authorities; and (b) emergency work to avoid the loss of lives, property and/or to prevent environmental harm. In such circumstances, the Applicant shall notify the Secretary and affected residents prior to undertaking the activities, or as soon as is practical thereafter.		1. Interview M. Holmes (HSE Coordinator) - no requests for out of hours operations have been made by quarry management.			Not Triggered	

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S3.3	Noise Impact Assessment Criteria	<p>The Proponent shall ensure that the noise generated by the project does not exceed the criteria in Table 2 at any residence on privately-owned land or on more than 25 per cent of any privately-owned land.</p> <p>Table 2: Noise Criteria dB(A) Receivers: All residential receivers</p> <p>Day : (LAeq(15-minute)) - 35 Evening(LAeq(15-minute)) - 35 Night (LAeq(15-minute)) - 35 / (LA1(max)) - 45</p> <p>Note: Noise generated by the project is to be measured in accordance with the relevant requirements and exemptions (including certain meteorological conditions) of the NSW Industrial Noise Policy.</p> <p>However, these criteria do not apply if the Proponent has an agreement with the relevant owner(s) to exceed the criteria.</p>	<ol style="list-style-type: none"> 1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017). 4. Complaints Register 			<p>Oberon Quarry has established noise agreements in place with private landholders to produce noise levels higher than criteria limits. These agreements, including the discontinuation of noise monitoring were approved by the Secretary on 2 February 2017.</p> <p>A noise compliant was received (via DPIE) in 2018.</p> <p>Noise monitoring was last undertaken on 10 February 2017. The noise monitoring undertaken detected non-compliances with the noise limits set in this Condition.</p> <p>No noise monitoring has been undertaken over the last four quarters of this Audit Period. Oberon Quarries considers that their agreements with landowners (agreeing that noise monitoring is only required following a noise complaint) is appropriate.</p> <p>It is noted that following the noise complaint referred to above that no noise monitoring was undertaken.</p>	Compliance	1. Ensure that noise monitoring is undertaken following any noise related complaint being received.
S3.4	Operating Conditions	<p>The Proponent shall:</p> <p>(a) implement best practice management to minimise the operational and road transportation noise of the development;</p>	<ol style="list-style-type: none"> 1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017). 4. Complaints Register 		<ol style="list-style-type: none"> 1. The crushing plant is located in a depression (former quarried area) adjacent to the office building and is shielded from local residents by the walls of the excavation. 2. excavation works are undertaken within the quarry pit and is shielded from local residents by the walls of the quarry. 3. There is no specific noise control equipment used at the quarry. 	<p>The current location of noise generating works is generally within the quarry excavation (Plate #1) or the crushing plant (Photo #2). These locations are provided some protection by the current landform in those areas.</p> <p>Best Practice noise management for a quarrying operation would focus on shielding sensitive receivers from noise generating activities.</p>	Compliance	
		<p>(b) minimise the noise impacts of the development during meteorological conditions when the noise criteria in this consent do not apply (see Appendix 4);</p>	<ol style="list-style-type: none"> 1. Noise Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated March 2017. 			<p>The Noise Management Plan describes noise mitigation measures to be implemented.</p>	Compliance	

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		(c) carry out noise monitoring (at least every 3 months, unless otherwise approved by the Secretary) to determine whether the development is complying with the relevant conditions of this consent; and	1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017).			No noise monitoring has been undertaken over the last four quarters of this Audit Period. Oberon Quarries considers that their agreements with landowners (agreeing that noise monitoring is only required following a noise complaint) is appropriate. Written approval from the Secretary (nor the EPA) has been given to cease quarterly noise monitoring.	Non-Compliance	1. Re-establish quarterly noise monitoring.
		(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.	1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017).			Noise monitoring is no longer undertaken, therefore a assessment of monitoring data has not been undertaken.	Non-Compliance	1. Re-establish quarterly noise monitoring and assessment of the noise monitoring results.
S3.5	Noise Management Plan	The Proponent shall prepare and implement a Noise Management Plan for the project to the satisfaction of the Secretary. The plan must:	1. Noise Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated March 2017.			The Noise Management Plan was originally prepared in 2017 and was updated in 2018.	Compliance	
		(a) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary;	1. Letter from DPIE to Oberon Quarries titled " Oberon Quarry Continuation Project (SSD 6333) Environmental Management Plans" dated 8 November 2018, approving the revised versions of the Noise Management Plan, Air Quality Management Plan and Landscape and Rehabilitation Plan. 2. Letter from DPIE to Oberon Quarries titled " Oberon Quarry Continuation Project (SSD 6333) Environmental Management Plans" dated 22 February 2018, approving the revised versions of the Blast, Water and Transport Management Plans and the Environmental Management Strategy.			Both the original and current versions of the Environmental Management Strategy and Management Plans have been approved by DPIE.	Compliance	
		(b) describe the measures that would be implemented to ensure compliance with the noise criteria and operating conditions of this consent;	1. Noise Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated March 2017.			Measures to be implemented to ensure compliance are detailed in Section 5.2 of the Noise Management Plan.	Compliance	

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Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		(c) describe the proposed noise management system in detail; and	1. Noise Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated March 2017.			The plan describes the noise management objectives, controls, monitoring and reporting to be undertaken. These elements are the key elements of a Noise Management System.	Compliance	
		(d) include a monitoring program to be implemented to measure noise from the development against the noise criteria in Table 2, and which evaluates and reports on the effectiveness of the noise management system on site.	1. Noise Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated March 2017.			Noise monitoring program is detailed in Section 6.1 of the Noise Management Plan	Compliance	
S3.6	Blasting Impact Assessment Criteria	<p>The Proponent shall ensure that blasting on the site does not cause exceedances of the criteria in Table 3.</p> <p>a) Air blast Over Pressure - 120 dB(Lin Peak) / 115 120 dB(Lin Peak) 5% of the total number of blasts per year b) Ground Vibration 10 mm/s / 5 mms/s 5% of the total number of blasts per year</p>	<p>1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019).</p> <p>2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018).</p> <p>3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017).</p>			<p>Seven production blasts were undertaken in the 2017 calendar year. One exceedance in blast over pressure was recorded.</p> <p>Five production blasts were undertaken during the 2018 Calendar Year. One blast (22 January 2018) exceeded the over pressure limit and represented 5% of the blasts undertaken.</p> <p>Seven production blasts were undertaken in the 2019 calendar year (to date).</p>	Non-Compliance	1. Review the blasting procedures to determine the causes of the exceedances and modify the blasting procedures as necessary.
S3.7	Blasting Frequency	The Applicant may carry out a maximum of 2 blasts per week, unless an additional blast is required following a blast misfire. This condition does not apply to blasts required to ensure the safety of the quarry or workers on site.	<p>1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019).</p> <p>2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018).</p> <p>3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017).</p>			A maximum of 9 blasts in a calendar year have been undertaken. No more than 2 blasts per week have been undertaken during the Audit Period.	Compliance	
S3.8	Operating Conditions	During operation of the project, the Proponent shall: (a) implement best management practice to: (i) protect the safety of people and livestock in the surrounding area; (ii) protect public or private infrastructure/property in the surrounding area from any damage; and (iii) minimise the dust and fume emissions from any blasting; and	<p>1. Blast Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.</p> <p>2. Complaints Register</p>			<p>Blast Management Controls are described in Section 6 of the Blast Management Plan</p> <p>No blast related complaints were received during the Audit Period.</p>	Compliance	

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		(b) operate a suitable system to enable the public to get up-to-date information on the proposed blasting schedule on site, to the satisfaction of the Secretary.	1. Blast Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017. 2. Register of blast notifications (26 August 2019, 22 May 2017, 21 May 2018).			The BMP states that the Quarry Manager will notify all residents within the vicinity of the quarry of the blast program. Records of community notifications were sighted during the audit.	Compliance	
S3.9	Blast Management Plan	The Proponent shall prepare and implement a Blast Management Plan for the project to the satisfaction of the Secretary. This plan must:	1. Blast Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.			The Blast Management Plan was originally prepared in 2017 and was updated in 2018.	Compliance	
		(a) be pre submitted to the Secretary for approval within six months of this approval;	1. Letter from DPIE to Oberon Quarries titled "Oberon Quarry Continuation Project (SSD 6333) Environmental Management Plans" dated 8 November 2018, approving the revised versions of the Noise Management Plan, Air Quality Management Plan and Landscape and Rehabilitation Plan. 2. Letter from DPIE to Oberon Quarries titled "Oberon Quarry Continuation Project (SSD 6333) Environmental Management Plans" dated 22 February 2018, approving the revised versions of the Blast, Water and Transport Management Plans and the Environmental Management Strategy.			Both the original and current versions of the Environmental Management Strategy and Management Plans have been approved by DPIE.	Compliance	
		(b) describe the blast mitigation measures that would be implemented to ensure compliance with conditions 7-8 of this schedule; and	1. Blast Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.			Blast Management Controls are described in Section 6 of the Blast Management Plan No blast related complaints were received during the Audit Period.	Compliance	
		(c) include a blast monitoring program to evaluate the performance of the project.	1. Blast Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.			Blast monitoring program is described in Section 7 of the BMP.	Compliance	
		d) include a community notification procedure for the blasting schedule	1. Blast Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.			The community notification procedure is described in Section 8 of the BMP. Refer to S3.8 (b) above.	Compliance	
		e) include a protocol for investigating and responding to complaints	1. Blast Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017. 2. Complaints Register			Complaints investigation procedures are described in Section 8.3 of the BMP.	Compliance	

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S3.10	Air Quality Impact Assessment Criteria	<p>The Proponent shall ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the project do not exceed the criteria listed in Table 4 at any residence on privately-owned land.</p> <p>a) Particulate Matter <10um(PM₁₀) Annual 30 ug/m³ b) Particulate Matter <10um(PM₁₀) 24 Hour 50 ug/m³ c) Total Suspended Solids (TSP) Annual 90 ug/m³ d) Deposited Dust Annual 2 g/m²/month and 4 2 g/m²/month</p>	<p>1. 2017 EPL Monitoring Report 2. 2018 EPL Monitoring Report 3. 2019 EPL Monitoring Report</p>			<p>Monthly dust deposition monitoring (Photo #3) is undertaken, however no TSP or Particulate matter testing is undertaken. Therefore, compliance against the TSP and Particulate Matter criteria could not be verified.</p> <p>Dust deposition testing over the Audit Period: no exceedances were detected in 2019 (year to date), 2018 or 2017.</p> <p>Finding: Not Verified.</p>	Non-Compliance	<p>1. Expand the air quality monitoring program to include TSP and Particulate Matter monitoring.</p>
S3.11	Operating Conditions	<p>The Proponent shall: (a) implement best practice management to minimise the dust emissions of the development;</p>	<p>1. Air Quality Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2017.</p>	<p>1. Interview Jake Hargraves (CFO) - the truck wheel wash is no longer needed as the exit road from the site has now been paved.</p>	<p>1. A water cart was observed in operation at the time of the audit. 2. The truck wheel wash is no longer used. 3. Water sprays are not provided for all stockpiles. 4. At the time of the audit (during a period of extended dry weather) no significant dust generation was observed on site roads or in the vicinity of stockpiles. It is noted that the crushing plant was not operating at the time of the inspection.</p>	<p>The AQMP details the controls to be implemented. All controls except the use of the wheel wash are able to be implemented.</p> <p>There appears to be no provision dust control in pit stockpiles.</p>	Non-Compliance	<p>1. Recommission the truck wheel wash. 2. Consider the provision of mobile water spray to permit dust suppression to be undertaken on stockpiles during adverse weather conditions.</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>1. Air Quality Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2017. 2. 2017 EPL Monitoring Report 3. 2018 EPL Monitoring Report 4. 2019 EPL Monitoring Report</p>			<p>No dust exceedances were detected during the audit period.</p>	Not Triggered	
		<p>(c) minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see noted under Table 4);</p>	<p>1. Air Quality Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2017.</p>			<p>No procedure has been developed (and documented in the AQMP) to minimise dust impacts during adverse meteorological (and other) conditions.</p>	Non-Compliance	<p>1. Develop and implement a procedure minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events and document that procedure in the AQMP.</p>
		<p>(d) monitor and report on compliance with the relevant air quality conditions in this consent;</p>				<p>Four dust deposition gauges are located in and around the site. Dust samples are collected monthly for analysis. The monthly dust monitoring results are published on the quarry website and reported in the Annual Report.</p>	Compliance	

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Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		(e) implement all reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site; and	1. Air Quality Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2017.			No procedures or controls for the minimisation of greenhouse gas emissions have been developed, implemented and documented in the AQMP.	Non Compliance	1. Develop and implement a procedure minimise greenhouse gas emissions and document that procedure in the AQMP.
		(f) minimise the area of surface disturbance and undertake progressive rehabilitation of the site, to the satisfaction of the Secretary.		1. Interview Jake Hargraves (CFO) - we have not commenced rehabilitation works however there has been a lot of regrowth (self-seeded) along the top of the pit.	1. No evidence of excessive land clearing was observed during the audit. 2. regrowth / revegetation around the pit top was observed.	The area of disturbance of the operational areas on the site have been minimised. Self-seeding of native vegetation has resulted in reasonable coverage of the formerly disturbed areas outside of the pit (Photo #4).	Compliance	
S3.12	Air Quality Management Plan	The Proponent shall prepare and implement an Air Quality Management Plan for the project to the satisfaction of the Secretary. This plan must:	1. Air Quality Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2017.			The Air Quality Management Plan was originally prepared in 2017 and was updated in 2018.	Compliance	
		(a) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary;	1. Letter from DPIE to Oberon Quarries titled " Oberon Quarry Continuation Project (SSD 6333) Environmental Management Plans" dated 8 November 2018, approving the revised versions of the Noise Management Plan, Air Quality Management Plan and Landscape and Rehabilitation Plan. 2. Letter from DPIE to Oberon Quarries titled " Oberon Quarry Continuation Project (SSD 6333) Environmental Management Plans" dated 22 February 2018, approving the revised versions of the Blast, Water and Transport Management Plans and the Environmental Management Strategy.			Both the original and current versions of the Environmental Management Strategy and Management Plans have been approved by DPIE.	Compliance	
		(b) describe the measures that would be implemented to ensure compliance with the air quality criteria and operating conditions of this consent;	1. Air Quality Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2017.			Section 5 of the AQMP details the measures that to ensure compliance with the air quality criteria and operating conditions of the consent.	Compliance	
		(c) describe the proposed air quality management system;	1. Air Quality Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2017.			The plan describes the air quality management objectives, controls, monitoring and reporting to be undertaken. These elements are the key elements of a Air Quality Management System.	Compliance	

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		(d) include an air quality monitoring program that: <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. 	1. Air Quality Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2017.			Air Quality monitoring program is detailed in Section 6.1 of the Noise Management Plan. The air quality monitoring program does not cover monitoring for TSP and Particulate Matter.	Non Compliance	1. Include annual TSP and Particulate testing in the dust monitoring program
S3.13	Metrological Monitoring	For the life of the project, the Proponent shall 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.	1. Air Quality Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2017.			Meteorological data is obtained from the Borgs weather station in Oberon.	Compliance	
S3.14	Water Supply	The Proponent shall ensure that it has sufficient water for all stages of the project, and if necessary, adjust the scale of mining operations to match its available water supply, to the satisfaction of the Secretary.	1. Water Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.	1. Interview Jake Hargraves (CFO) - there is no water extraction (bores) on site. All site water is sourced from rain that falls on the site and is collected in the pit and sediment basins. Oberon has relatively high rainfall and we have never had to ship in water for the operation.	1. At the time of the audit there was sufficient water to meet the requirements of the operations (dust control).	Water (other than potable water for staff use) is collected in sediment ponds on the site and used for dust suppression. The Site Water Balance provided in the WMP predicts that there is sufficient water (from rainfall) to meet the water needs of the project.	Compliance	
S3.15	Water Pollution	Unless an EPL authorises otherwise, the Applicant shall comply with Section 120 of the POEO Act.				Non compliances with blast over pressure were identified during the audit. A Non-compliance in relation to the dust and water monitoring procedures was identified during the audit.	Non-Compliance	Refer to EPL
S3.16	Water Management Plan	The Applicant shall prepare and implement a Water Management Plan for the development to the satisfaction of the Secretary. This plan must:	1. Water Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.			The Water Management Plan was originally prepared in 2017 and was updated in 2018.	Compliance	

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Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		(a) be prepared by suitably qualified person/s approved by the Secretary;	<p>1. Letter from DPIE to Oberon Quarries titled " Oberon Quarry Continuation Project (SSD 6333) Environmental Management Plans" dated 22 February 2018, approving the revised versions of the Blast, Water and Transport Management Plans and the Environmental Management Strategy.</p> <p>2. Letter from DPE to Umwelt consultants titled "Oberon Quarry Continuation Project (SSD 6333), Extension of Time", dated 18 March 2016, approving the appointment of Umwelt to prepare the Water Management Plan and granting an extension of time for the preparation of the Plan to 31 May 2016.</p>			DPE approved the appointment of Peter Jamieson (Umwelt) to prepare the WMP on 18 March 2016.	Compliance	
		(b) be prepared in consultation with the EPA and DPI-Water;	<p>1. Email from DIP-Water (Tim Baker) to Umwelt (Emma Mudford) titled "Oberon Quarry - Water Management Plan, dated 24 May 2016, providing comment on the Water Management Plan.</p> <p>2. Email from EPA (Andrew Helms) to Umwelt (Emma Mudford) titled "Oberon Quarry - Water Management Plan, dated 24 May 2016, providing comment on the Water Management Plan.</p>			Correspondence verifying that the EPA and DPI-Water was consulted during the preparation of the Water Management Plan was sighted during the audit.	Compliance	

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		(c) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary;	<p>1. Letter from DPIE to Oberon Quarries titled " Oberon Quarry Continuation Project (SSD 6333) Environmental Management Plans" dated 8 November 2018, approving the revised versions of the Noise Management Plan, Air Quality Management Plan and Landscape and Rehabilitation Plan.</p> <p>2. Letter from DPIE to Oberon Quarries titled " Oberon Quarry Continuation Project (SSD 6333) Environmental Management Plans" dated 22 February 2018, approving the revised versions of the Blast, Water and Transport Management Plans and the Environmental Management Strategy.</p> <p>3. Letter from DPE to Umwelt consultants titled "<i>Oberon Quarry Continuation Project (SSD 6333), Extension of Time</i>", dated 18 March 2016, approving the appointment of Umwelt to prepare the Water Management Plan and granting an extension of time for the preparation of the Plan to 31 May 2016.</p>			Both the original and current versions of the Environmental Management Strategy and Management Plans have been approved by DPIE.	Compliance	
		(d) include a: (i) Site Water Balance that includes: <ul style="list-style-type: none"> • details of: <ul style="list-style-type: none"> o sources and security of water supply; o water use and management on site; o any off-site water transfers; and o reporting procedures. • 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"> o clean water diversion system; o erosion and sediment controls; o dirty water management system; and o water storages; and • a program to monitor and report on: <ul style="list-style-type: none"> o any surface water discharges; 	<p>1. Water Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.</p>			Section 4 of the WMP provides Site Water Balance that meets the requirements of this Condition.	Compliance	

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		<p>o the effectiveness of the water management system;</p> <p>o maintaining sufficient dirty water storage capacity to avoid discharges of sediment-laden water; and</p> <p>o surface water flows and quality in local watercourses;</p> <p>(iii) Groundwater Management Plan, that includes:</p> <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 the monitoring results to predict long-term water levels within the quarry void; and 	1. Water Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.			Section 5 of the WMP details the Groundwater Management Plan and meets the requirements of this Condition.	Compliance	
		<p>Surface and Ground Water Contingency Strategy, that includes:</p> <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. 	1. Water Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.			Section 7 of the WMP details the Surface and Groundwater Contingency Plan and meets the requirements of this Condition.	Compliance	
S3.17	Monitoring of Product Transport	The Applicant shall keep accurate records of all truck movements to and from the site (hourly, daily, weekly, monthly and annually) and publish a summary of records on its website every 6 months.	<ol style="list-style-type: none"> 1. Product Transport Summary (Sep 2015 - Dec 2016) 2. Product Transport Summary (Jan 2017 - Dec 2017) 3. Product Transport Summary (Jan 2018 - Dec 2018) 4. Product Transport Summary (Jan 2019 - Sep 2019) 	1. Interview Jake Hargraves (CFO) - All truck movements are recorded at the weighbridge.		Truck movement records are maintained at the weighbridge. A summary of Product Transport truck departures from the site are provided on the Website and updated monthly.	Compliance	

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S3.18	Operating Conditions	The Applicant shall 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;	1. Driver induction training materials 2. Drivers Code of Conduct		1. All Oberon Quarry trucks observed had the required signage.	Oberon quarry trucks are provided with the required signage	Compliance	
		(b) all laden trucks entering or exiting the site have their loads covered;	1. Transport Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017. 2. Drivers Code of Conduct		1. All truck observed leaving the site at the time of the Audit were covered.	All trucks observed by the Audit entering and leaving the site were covered. The requirement for all trucks to be covered is contained in both the Transport Management Plan and the Driver Code of Conduct.	Compliance	
		(c) all laden trucks exiting the site are cleaned of material that may fall on the road, before leaving the site;	1. Transport Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017. 2. Drivers Code of Conduct	1. Interview Jake Hargraves (CFO) - the truck wheel wash is no longer needed as the exit road from the site has now been paved.	1. While the wheel wash was not operational at the time of the audit, the road from the production areas to the public road system is paved. There was no significant build-up of sediment on the site access road (within the site boundaries).	Dust and loose material is not actively removed from product trucks prior to leaving the site. The requirement for loose material to be removed from all trucks is contained in both the Transport Management Plan and the Driver Code of Conduct.	Non-Compliance	1. Recommission the truck wheel wash.
		(d) during the periods 6 am to 7 am and 6 pm to 10 pm, a maximum of 4 laden vehicles per hour shall leave the site; and	1. Transport Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017. 2. Complaints Register	1. Interview Jake Hargraves (CFO) - Most truck movements occur during the day. The quarry gates are closed at 6pm and truck movements generally do not occur after that time. Trucks can be loaded at any time during the day as well as in the evenings.	No complaints regarding truck arrivals or departures from the site during the Audit Period. The site access times are contained in both the Transport Management Plan and the Driver Code of Conduct.	Compliance		
		(e) no trucks queue at the entrance to the site before 6 am.	1. Transport Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017. 2. Complaints Register		The site access times and requirement not to queue outside of the site prior to 6am are contained in both the Transport Management Plan and the Driver Code of Conduct. No complaints have been received regarding queuing of trucks out side of the site.	Compliance		
S3.19	Further Road Maintenance and Contributions	Within 6 months from the date of this consent the Applicant shall provide and install "Intersection Advance" (G1-207) warning signage on the eastbound approach to the intersection of Duckmaloi Road and Titania Road.			1. The required sign was sighted by the Auditor	The Intersection Advance" (G1-207) warning signage on the eastbound approach to the intersection of Duckmaloi Road and Titania Road has been installed.	Compliance	

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S3.20		<p>Within two weeks of receiving a written request from Council, or as otherwise agreed by Council, the Applicant shall:</p> <p>(a) provide Council with sufficient 14/7 mm sealing aggregate for the intersections of Shooters Hill and Edith Roads; Edith and Titania Roads; and Titania and Duckmaloi Roads; and</p> <p>(b) provide Council with sufficient DGB 20 road base to reconstruct the pavement at the intersection of Edith and Titania Roads to a depth of 200 mm.</p>		<p>1. Interview Jake Hargraves (CFO) - Council have not made any requests for the provision of these materials.</p>		<p>Council have not made any requests for the provision of these materials.</p>	<p>Not Triggered</p>	
S3.21	Transport Management Plan	<p>The Proponent shall prepare and implement a Transport Management Plan to the satisfaction of the Secretary. The plan shall:</p>	<p>1. Transport Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.</p>			<p>The Transport Management Plan was originally prepared in 2016 and was updated in 2018.</p>	<p>Compliance</p>	
		<p>(a) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary;</p>	<p>1. Transport Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.</p>			<p>Both the original and current versions of the Environmental Management Strategy and Management Plans have been approved by DPE.</p>	<p>Compliance</p>	
		<p>(b) include a Drivers' Code of Conduct to minimise the impacts of development-related trucks on local residences and road users; and</p>	<p>1. Transport Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.</p>			<p>Appendix 2 of the Transport Management Plan provides the Drivers' Code of Conduct.</p>	<p>Compliance</p>	
		<p>(c) describe the measures that would be put in place to ensure compliance with the Drivers' Code of Conduct.</p>	<p>1. Transport Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.</p>			<p>Section 4 of the Transport Management Plan details the measures put in place to ensure compliance with the Drivers' Code of Conduct.</p>	<p>Compliance</p>	

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S3.22	Rehabilitation Objectives	<p>The Proponent shall rehabilitate the site to the satisfaction of the Secretary. This rehabilitation must be generally consistent with the proposed rehabilitation strategy described in the EIS and the conceptual final landform shown in Appendix 3 and must comply with the objectives in Table 5:</p> <p>a) Site: safe, stable and non-polluting. Final landform integrated with surrounding natural landforms as far as is reasonable and feasible, and minimising visual impacts when viewed from surrounding land. b) Surface Infrastructure: Decommissioned and removed unless otherwise agreed c) Quarry Benches: Landscaped and vegetated using native tree and understory species. d) Quarry Pit Floor: Landscaped and revegetated using improved pasture species, native trees and understorey species e) Final Void: Minimise height and slope of batters f) Community: Ensure public safety and minimise adverse socio economic impacts</p>	1. Landscape and Rehabilitation Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2016.	1. Interview Jake Hargraves (CFO) - we have not commenced rehabilitation works however there has been a lot of regrowth (self-seeded) along the top of the pit.		This condition has not yet been triggered as the site is still operational and has approximately 25 years of operation remaining. Quarry works have not been completed in any of the approved quarry areas.	Not Triggered	
S3.23	Progressive Rehabilitation	The Applicant shall 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.	1. Landscape and Rehabilitation Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2016.		1. Interview Jake Hargraves (CFO) - we have not commenced rehabilitation works however there has been a lot of regrowth (self-seeded) along the top of the pit.	<p>No evidence of excessive land clearing was observed during the audit. No areas of the site were observed in which rehabilitation works were required.</p> <p>Regrowth / revegetation around the pit top was observed.</p>	Compliance	

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S3.24	Landscape and Rehabilitation Management Plan	The Applicant shall prepare and implement a Landscape and Rehabilitation Management Plan for the development to the satisfaction of the Secretary. This plan must:	1. Landscape and Rehabilitation Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2016.			The Landscape and Rehabilitation Management Plan has been prepared.	Compliance	
		(a) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary;	1. Letter from DPIE to Oberon Quarries titled " Oberon Quarry Continuation Project (SSD 6333) Environmental Management Plans" dated 8 November 2018, approving the revised versions of the Noise Management Plan, Air Quality Management Plan and Landscape and Rehabilitation Plan.			The Landscape and Rehabilitation Management Plan was submitted to DPE on 14 March 2016 and approved by DPE on 24 May 2016. The revised plan was approved by DPE on 8 November 2018.	Compliance	
		(b) provide details of the conceptual final landform and associated land uses for the site;	1. Landscape and Rehabilitation Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2016.			Section 4.3 of the Landscape and Rehabilitation Management Plan describes the proposed final landform and associated land use.	Compliance	
		(c) describe the short, medium and long-term measures that would be implemented to ensure compliance with the rehabilitation objectives and progressive rehabilitation obligations in this consent;	1. Landscape and Rehabilitation Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2016.			Section 5.1, 5.2 and 5.3 of the Landscape and Rehabilitation Management Plan describes the measures to be implemented to ensure compliance with the rehabilitation objectives.	Compliance	
		(d) 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 the 3 years covered by the initial approval of the plan) including the procedures to be implemented for: <ul style="list-style-type: none"> maximising the salvage of environmental resources within the approved disturbance area for beneficial reuse; protecting vegetation and fauna habitat outside the approved disturbance area on-site; minimising the impacts on native fauna; landscaping the site to minimise visual and lighting 	1. Landscape and Rehabilitation Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2016.			Section 5 of the Landscape and Rehabilitation Management Plan describes the measures to be implemented to ensure compliance with the rehabilitation objectives. The following commitments made in the Plan were not being implemented at the time of the Audit: a) regular weed inspections and weed control b) establishment of Rehabilitation Monitoring.	Non-Compliance	1. Ensure that all measures detailed in the LRMP are implemented in accordance with the Plan.

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		<p>impacts;</p> <ul style="list-style-type: none"> • reviewing improved pasture species and application rates; • controlling weeds and feral pests; • controlling erosion; • controlling access; and • bushfire management; 						
		(e) include a program to monitor and report on the effectiveness of these measures, and progress against the performance and completion criteria;	1. Landscape and Rehabilitation Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2016.			<p>Section 7 of the Landscape and Rehabilitation Management Plan describes the landscape monitoring that will be undertaken to measure progress and performance.</p> <p>While significant rehabilitation works have not been commenced, the Plan requires the establishment of Residual Vegetation Monitoring and Annual Rehabilitation Monitoring. The programs have not been implemented.</p>	Non-Compliance	1. Implement the preliminary survey and monitoring of residual vegetation sites.
		(f) identify the potential risks to the successful rehabilitation of the site, and include a description of the contingency measures that would be implemented to mitigate these risks; and	1. Landscape and Rehabilitation Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2016.			Section 10 of the Landscape and Rehabilitation Management Plan provides a rehabilitation risk assessment.	Compliance	
		(g) include details of who would be responsible for monitoring, reviewing, and implementing the plan.	1. Landscape and Rehabilitation Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2016.			Section 11 of the Landscape and Rehabilitation Management Plan describes the allocation of responsibilities for implementation of the Plan.	Compliance	
S3.25	Rehabilitation Bond	Within 6 months of the approval of the Landscape and Rehabilitation Management Plan, the Applicant shall lodge a Rehabilitation Bond with the Department to ensure that the rehabilitation of the site is implemented in accordance with the performance and completion criteria set out in the plan and relevant conditions of this consent. The sum of the bond shall be determined by:	<p>1. Bank Guarantee (St George Bank) dated 27 September 2018 for \$532,000. Beneficiary is DPIE and the applicant is Oberon Quarries.</p> <p>2. Letter from DPIE to Umwelt titled "Oberon Quarry Continuation Project (SSD 6333), dated 5 April 2018, approving the calculation of the Rehabilitation Bond. The letter also states that the Bond should be provided to DPIE before 30 April 2018.</p>			The required rehabilitation bond is in place. The Bond (bank guarantee) was issued in September 2018, while the LRMP has initially approved in May 2016. The bond was therefore not provided to DPIE within the required six months. A further direction from DPIE for finalisation of the Bond by 30 April 2018 was not met.	Non-Compliance	1. No action required as the Bond is now in place.

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Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		(a) calculating the cost of rehabilitating the site, taking into account the likely surface disturbance over the next 3 years of quarrying operations; and	1. Letter from DPIE to Umwelt titled "Oberon Quarry Continuation Project (SSD 6333), dated 5 April 2018, approving the calculation of the Rehabilitation Bond. The letter also states that the Bond should be provided to DPIE before 30 April 2018.			DPIE approved the calculation of the Rehabilitation Bond on 5 April 2018.	Compliance	
		(b) employing a suitably qualified quantity surveyor or other expert to verify the calculated costs, to the satisfaction of the Secretary.	1. Email from DPE (Philip Nevill) to Oberon Quarries titled "Oberon Quarry - Release of bank guarantee (Council) & Rehabilitation Bond (DPE)", dated 15 March 2018. The Email notes that Luke Betteridge was approved to calculate the Rehabilitation Bond on 16 January 2017.			DPE approved the appointment of Luke Betteridge to calculate the Rehabilitation Bond on 16 January 2017.	Compliance	
S3.26		Within 3 months of each Independent Environmental Audit (see condition 10 of Schedule 5), the Applicant shall review, and if necessary, revise, the sum of the Rehabilitation Bond to the satisfaction of the Secretary. This review must consider the: (a) effects of inflation; (b) likely cost of rehabilitating the site (taking into account the likely surface disturbance over the next 3 years of the development); and (c) performance of the implementation of rehabilitation of the site to date.				The Rehabilitation Bond was finalised in 2018 after the last IEA. The first review of the Bond will be due by June 2020.	Not Triggered	
S3.27	Visual	The Applicant shall implement all reasonable and feasible measures to minimise the visual and off-site lighting impacts of the development to the satisfaction of the Secretary.	1. Correspondence from DPIE approving visual impact mitigation	1. Interview Jake Hargraves (CFO) - no extraction or crushing is undertake at night.	1. No external lighting can be seen from outside of the quarry. The lighting (mobile and fixed) is located within either the pit or the crushing plant.	No external lighting impacts were observed during the audit.	Compliance	

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S3.28	Waste	The Applicant shall: (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;	1. Receipt from Oberon Trash-Pak for pump out and disposal of septic tanks dated 26 April 2019. 2. Payment summary to Oberon Trash-Pak for septic tank pump out for 2018 and 2019.	1. Interview Jake Hargraves (CFO) - the site has two septic tanks that are pumped out for off-site disposal.		Two septic tanks are installed at the site and are pumped out by a licenced contractor for off-site disposal.	Compliance	
		(b) minimise the waste generated by the development;	1. Environmental Management Strategy Oberon Quarries Pty Ltd, prepared by Umwelt, dated April 2017.			There is no program in place to minimise wastes.	Non-Compliance	1. Undertake a review of waste generation and identify opportunities for waste minimisation.
		(c) ensure that the waste generated by the development is appropriately stored, handled, and disposed of; and			1. Used batteries are stored in a open area, on a pallet in a derelict plant storage area (Photo #6). 2. Oil from derelict equipment has seeped onto soils in the derelict equipment area. (Area #7).	In general, the management and storage of waste materials were being undertaken in a competent manner with the exception of waste batteries and oils associated with come derelict equipment.	Non-Compliance	1. Ensure that used batteries are stored in an appropriate roofed and bunded area (or on a bunded pallet). 2. Stock piling of used batteries should be avoided. Batteries should be disposed of by (by recycling) via an appropriately licenced waste contractor. 3. Ensure oils are drainage (and collected) from derelict equipment and disposed of by an appropriately licenced waste contractor.
		(d) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary.	1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017).			Waste management and minimisation is covered in the Annual Reviews	Compliance	
		Except as expressly permitted in an EPL, the Applicant must not receive waste at the site for storage, treatment, processing, reprocessing or disposal.		1. Interview Jake Hargraves (CFO) - no wastes are received at the facility.	1. No evidence of off-site waste receipt was observed during the audit.	No wastes are accepted at the quarry.	Compliance	
S3.30								

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Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S3.31	Liquid Storage	The Applicant shall 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.			1. All above ground tanks are bunded (Photo #5) in accordance with the requirements of AS1940.	Dangerous goods stored at the site consist of diesel and emulsion. These materials are stored in appropriate tanks that are bunded in accordance with the relevant Australian Standard.	Compliance	
S3.32	Dangerous Goods	The Applicant shall 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.			1. Other than fuel, limited quantities of dangerous goods are stored at the quarry maintenance area. All dangerous goods sighted by the Auditor were appropriately stored.	All dangerous goods sighted were appropriately stored.	Compliance	
S3.33	Bushfire	The Applicant shall: (a) ensure that the development is suitably equipped to respond to any fires on site; and (b) assist the Rural Fire Service and emergency services as much as possible if there is a fire in the vicinity of the site.	1. Plant Map (showing the location of fire extinguishers and evacuation points)		1. Appropriate firefighting equipment was sighted by the Auditor around the site, including at fuel storage areas, weighbridge and crushing plant.	Appropriate firefighting equipment is located at the site.	Compliance	
S4.1	Notification of Landowners	As soon as practicable after obtaining monitoring results showing: (a) an exceedance of any relevant criteria in Schedule 3, the Applicant shall 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	1. Letter from Oberon Quarries to DPE titled "Oberon Quarry Exceedance of Air Blast Over Pressure (dB(LinPeak)) Criteria on 19 July 2017", dated 25 July 2017, providing DPE with details relating to the exceedance, including proposed action to advise the relevant landowner. 2. Letter from Oberon Quarries to DPE titled "Oberon Quarry 22 January 2018 Blast", dated 7 May 2018, providing DPE with details relating to the exceedance, including proposed action to advise the relevant landowner.			Blast overpressure exceedances were recorded during the Audit Period. No documentation was available to the Audit verifying that relevant landowners had been notified in accordance with this Condition.	Non-Compliance	1. No action required as the quarry has a written agreement with the (one) potentially impacted landowners agreeing to exceedances in noise and blast criteria.
		(b) an exceedance of any relevant air quality criteria in Schedule 3, the Applicant shall 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).	1. 2017 EPL Monitoring Report 2. 2018 EPL Monitoring Report 3. 2019 EPL Monitoring Report	1. Marina Holmes (HSE Coordinator) - no dust or noise exceedances over Audit Period		No dust exceedances were recorded for the Audit Period.	Not Triggered	

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S4.2	Independent Review	<p>If an owner of privately-owned land considers the project 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 project on his/her land.</p> <p>If the Secretary is satisfied that an independent review is warranted, then within two months of the Secretary's decision the Proponent shall:</p> <p>(a) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Secretary, to:</p> <p>(i) consult with the landowner to determine his/ her concerns;</p> <p>(ii) conduct monitoring to determine whether the project is complying with the relevant criteria in Schedule 3; and</p> <p>(iii) if the project is not complying with these criteria then identify measures that could be implemented to ensure compliance with the relevant criteria.</p> <p>(b) give the Secretary and landowner a copy of the independent review.</p>		<p>1. Interview Jake Hargraves (CFO) - no requests for independent reviews have been received.</p>		<p>No requests for independent reviews have been received.</p>	<p>Not Triggered</p>	
S5.1	Environmental Management Strategy	<p>The Proponent shall prepare and implement an Environmental Management Strategy for the project to the satisfaction of the Director-General. The strategy must:</p>	<p>1. Environmental Management Strategy Oberon Quarries Pty Ltd, prepared by Umwelt, dated April 2017.</p>			<p>The Transport Management Plan was originally prepared in 2016 and was updated in 2018.</p>	<p>Compliance</p>	

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		(a) be submitted to the Director-General for approval prior to the commencement of Mining activities;	1. Letter from DPIE to Oberon Quarries titled " Oberon Quarry Continuation Project (SSD 6333) Environmental Management Plans" dated 22 February 2018, approving the revised versions of the Blast, Water and Transport Management Plans and the Environmental Management Strategy. 3. Letter from DPE to Umwelt consultants titled "Oberon Quarry Continuation Project (SSD 6333), Extension of Time", dated 18 March 2016, approving the appointment of Umwelt to prepare the Water Management Plan and granting an extension of time for the preparation of the Plan to 31 May 2016.			Both the original and current versions of the Environmental Management Strategy have been approved by DPE.	Compliance	
		(b) provide the strategic framework for environmental management of the project;	1. Environmental Management Strategy Oberon Quarries Pty Ltd, prepared by Umwelt, dated April 2017.			The EMSt provides the information required by this Condition.	Compliance	
		(c) identify the statutory approvals that apply to the project;	1. Environmental Management Strategy Oberon Quarries Pty Ltd, prepared by Umwelt, dated April 2017.			The EMSt provides the information required by this Condition.	Compliance	
		(d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project;	1. Environmental Management Strategy Oberon Quarries Pty Ltd, prepared by Umwelt, dated April 2017.			The EMSt provides the information required by this Condition.	Compliance	
		(e) describe the procedures that would be implemented to: · keep the local community and relevant agencies informed about the operation and environmental performance of the project; · receive, handle, respond to, and record complaints; · resolve any disputes that may arise during the course of the project; · respond to any non-compliance; and · respond to emergencies; and	1. Environmental Management Strategy Oberon Quarries Pty Ltd, prepared by Umwelt, dated April 2017.			The EMSt provides the information required by this Condition.	Compliance	
		(f) include: · copies of the various strategies, plans and programs that are required under the conditions of this approval once they have been approved; and · a clear plan depicting all the monitoring to be carried out in relation to the project.	1. Environmental Management Strategy Oberon Quarries Pty Ltd, prepared by Umwelt, dated April 2017.			The EMSt provides the information required by this Condition.	Compliance	

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
SS.2	Management Plan Requirements	<p>The Proponent shall ensure that the Management Plans required under this approval are prepared in accordance with any relevant guidelines, and include:</p> <ul style="list-style-type: none"> (a) detailed baseline data; (b) a description of: <ul style="list-style-type: none"> · the relevant statutory requirements (including any relevant approval, licence or lease conditions); · any relevant limits or performance measures/criteria; and · the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the project or any management measures; (c) a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria; (d) a program to monitor and report on the: <ul style="list-style-type: none"> · impacts and environmental performance of the project; and · effectiveness of any management measures (see (c) above); (e) a contingency plan to manage any unpredicted impacts and their consequences; (f) a program to investigate and implement ways to improve the environmental performance of the project over time; (g) a protocol for managing and reporting any: <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 (h) a protocol for periodic review of the plan. <p>Note: At the discretion of the Director-General, some of these requirements may be waived where they are either not relevant or necessary.</p>	<ol style="list-style-type: none"> 1. Environmental Management Strategy Oberon Quarries Pty Ltd, prepared by Umwelt, dated April 2017. 2. Noise Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated March 2017. 3. Blast Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017. 4. Air Quality Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2017. 5. Water Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017. 6. Transport Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017. 7. Landscape and Rehabilitation Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2016. 			<p>All plans prepared as a requirement of this Planning Approval meet the requirements of the Condition.</p>	Compliance	

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Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S5.3	Application of Existing Management Plans	Prior to the approval of management plans under this consent, the Applicant shall manage development undertaken pursuant to this consent in accordance with any equivalent or similar management plan/s required under development consent DA 92/164.	1. Copy of DA 92/164				Noted	
S5.4	Staged Submission of Plans and Programs	With the approval of the Director-General, the Proponent may submit any strategy, plan or program required by this approval on a progressive basis.				Oberon Quarries have not requested that any plans of programs be approved on a progressive basis.	Not Triggered	
S5.4	Revision of Strategies Plans and Programs	<p>Within 3 months of the submission of an:</p> <p>(a) incident report under condition 7 below;</p> <p>(b) annual review under condition 9 below;</p> <p>(c) audit report under condition 10 below; and</p> <p>(d) any modifications to this consent,</p> <p>the Applicant shall review the strategies, plans and programs required under this consent, to the satisfaction of the Secretary. Where this review leads to revisions in any such document, then within 4 weeks of the review the revised document must be submitted for the approval of the Secretary.</p> <p><i>Note: The purpose of this condition is to ensure that strategies, plans and programs are regularly updated to incorporate any measures recommended to improve environmental performance of the development.</i></p>	<p>1. Email from Umwelt (Rod Williams) to DPE (G. Seed) titled "1296 Oberon Quarries- submission of updated environmental management plans", dated 7 August 2017. The plans were updated following a blast overpressure exceedance and submission of the 2017 Annual Review.</p> <p>2. Email from Umwelt (Rod Williams) to DPE (G. Seed) titled "1296 Oberon Quarries- Revised Blast Management Plan", dated 22 May 2017. The plans were updated following the finalisation of a landholder agreement related to blasting.</p> <p>3. Letter from Oberon Quarries to DPE titled "Oberon Quarry Continuation Project (SSD 6333) - Revised Environmental Management Plans", dated 22 May 2018, providing DPE copies of revised plans for review and approval.</p>			Oberon Quarries have reviewed and revised plans regularly, as a result of either exceedances, changes in landowner agreements or the findings in Annual Reviews.	Compliance	
S5.5	Adaptive Management	The Proponent shall assess and manage project-related risks to ensure that there are no exceedances of the criteria and/or performance measures in schedule 3. Any exceedance of these criteria and/or performance measures constitutes a breach of this approval and may be subject to penalty or offence provisions under the EP&A Act or EP&A Regulation.				Refer to Non-Compliances listed above	Non-Compliance	Refer to specific recommendations above

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		Where any exceedance of these criteria and/or performance measures has occurred, the Proponent shall, at the earliest opportunity: (a) take all reasonable and feasible measures to ensure that the exceedance ceases and does not recur;	<p>1. Letter from Oberon Quarries to DPE titled "Oberon Quarry Exceedance of Air Blast Over Pressure (dB(LinPeak)) Criteria on 19 July 2017", dated 25 July 2017, providing DPE with details relating to the exceedance, including proposed action to advise the relevant landowner.</p> <p>2. Letter from Oberon Quarries to DPE titled "Oberon Quarry 22 January 2018 Blast", dated 7 May 2018, providing DPE with details relating to the exceedance, including proposed action to advise the relevant landowner.</p>				Oberon Quarries have investigated all non-compliances that occurred during the Audit Period and taken measures to address each non-compliance.	Compliance
		(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>1. Letter from Oberon Quarries to DPE titled "Oberon Quarry Exceedance of Air Blast Over Pressure (dB(LinPeak)) Criteria on 19 July 2017", dated 25 July 2017, providing DPE with details relating to the exceedance, including proposed action to advise the relevant landowner.</p> <p>2. Letter from Oberon Quarries to DPE titled "Oberon Quarry 22 January 2018 Blast", dated 7 May 2018, providing DPE with details relating to the exceedance, including proposed action to advise the relevant landowner.</p> <p>3. Letter from Oberon Quarries to DPE titled "Oberon Quarry Exceedance of Air Blast Over Pressure (dB(LinPeak)) Criteria on 19 July 2017", dated 25 July 2017, providing DPE with details relating to the exceedance, including proposed action to advise the relevant landowner.</p> <p>4. Letter from Oberon Quarries to DPE titled "Oberon Quarry January / February / April 2018 Depositional Dust and January 2018 Surface Water Monitoring", dated 7 May 2018, providing DPE with details relating to procedural non compliances and describing remedial actions to be taken.</p>				Oberon Quarries have investigated all non-compliances that occurred during the Audit Period and taken measures to address each non-compliance and have advised DPE of each incident and actions they propose to take to prevent reoccurrence of the incidents.	Compliance
		(c) implement remediation measures as directed by the Secretary, to the satisfaction of the Secretary.		1. Marina Holmes (HSE Coordinator) - no remedial actions have been requested by DPE.				Not Triggered

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S5.7	Incident Reporting	The Proponent shall notify the Director-General and any other relevant agencies of any incident associated with the project as soon as practicable after the Proponent becomes aware of the incident. Within 7 days of the date of the incident, the Proponent shall provide the Director-General and any relevant agencies with a detailed report on the incident.	1. Letter from Oberon Quarries to DPE titled "Oberon Quarry Exceedance of Air Blast Over Pressure (dB(LinPeak)) Criteria on 19 July 2017", dated 25 July 2017, providing DPE with details relating to the exceedance, including proposed action to advise the relevant landowner. 2. Letter from Oberon Quarries to DPE titled "Oberon Quarry 22 January 2018 Blast", dated 7 May 2018, providing DPE with details relating to the exceedance, including proposed action to advise the relevant landowner. 3. Letter from Oberon Quarries to DPE titled "Oberon Quarry Exceedance of Air Blast Over Pressure (dB(LinPeak)) Criteria on 19 July 2017", dated 25 July 2017, providing DPE with details relating to the exceedance, including proposed action to advise the relevant landowner. 4. Letter from Oberon Quarries to DPE titled "Oberon Quarry January / February / April 2018 Depositional Dust and January 2018 Surface Water Monitoring", dated 7 May 2018, providing DPE with details relating to procedural non-compliances and describing remedial actions to be taken.			Oberon Quarries have investigated all non-compliances that occurred during the Audit Period and taken measures to address each non-compliance and have advised DPE and the EPA (the Auditor sighted emails copying the EPA on relevant incidents) of each incident and actions they propose to take to prevent reoccurrence of the incidents.	Compliance	
S5.8	Regular Reporting	The Proponent shall provide regular reporting on the environmental performance of the project on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this approval, and to the satisfaction of the Director-General.	1. 2017 EPL Monitoring Report 2. 2018 EPL Monitoring Report 3. 2019 EPL Monitoring Report			Oberon Quarries publish all environmental monitoring data and Annual Reviews on their website.	Compliance	
S5.9	Annual Review	By the end of March each year, the Proponent shall review the environmental performance of the project to the satisfaction of the Director-General.	1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017).			While annual reviews have been published each year, the 2017 Annual review was issued three months late.	Non-Compliance	1. Ensure that Annual Reviews are published before the end of March each year.

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		This review must: (a) describe the works (including rehabilitation) that were carried out in the previous year, and the works that are proposed to be carried out over current year;	1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017).			Section 4 of the Annual Reviews provide a summary of operations for the previous year. Section 8 summarises the rehabilitation works completed for the reporting year.	Compliance	
		(b) include a comprehensive review of the monitoring results and complaints records of the project over the past year, which includes a comparison of these results against: · the relevant statutory requirements, limits or performance measures/criteria; · the monitoring results of previous years; and · the relevant predictions in the EA;	1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017).			Section 6 of the Annual Reviews provides a summary of monitoring results and a review of those results against statutory requirements, performance criteria and trends. Section 9 summarises the complaints received over the reporting year.	Compliance	
		(c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;	1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017).			Section 11 of the Annual Reviews provides a summary of non compliances and incidents.	Compliance	
		(d) identify any trends in the monitoring data over the life of the project;	1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017).			Section 6 of the Annual Reviews provides a summary of monitoring results and a review of those results against statutory requirements, performance criteria and trends.	Compliance	

Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		(e) identify any discrepancies between the predicted and actual impacts of the project, and analyse the potential cause of any significant discrepancies; and	1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017).			EIS predications are summarised in Section 6.1 and performance against those predictions are provided in the remainder of Section 6.	Compliance	
		(f) describe what measures will be implemented over the next year to improve the environmental performance of the project.	1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017).			Proposed measures to improve performance are provide in Section 6.	Compliance	
S5.10	Independent Environmental Audit	Within one year of commencement of development on the site under this approval, and every three years thereafter, unless the Secretary directs otherwise, the Proponent shall commission and pay the full cost of an Independent Environmental Audit of the project. The audit must:	1. Letter from DPE to AQUAS Consultants titled "Oberon Quarry Continuation Project (SSD 6333), dated 19 December 2016, approving the 2016 Auditor. 2. Letter from DPE to Oberon Quarries titled "Oberon Quarry Continuation Project (SSD 6333) Independent Environmental Audit 2019, dated 17 September 2019, approving the 2019 Auditor.			The 2019 IEA (this audit) has been completed.	Compliance	
		(a) be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;	1. Letter from DPE to AQUAS Consultants titled "Oberon Quarry Continuation Project (SSD 6333), dated 19 December 2016, approving the 2016 Auditor. 2. Letter from DPE to Oberon Quarries titled "Oberon Quarry Continuation Project (SSD 6333) Independent Environmental Audit 2019, dated 17 September 2019, approving the 2019 Auditor.			DPIE approved the appointment of the 2016 and 2019 Auditors.	Compliance	
		(b) include consultation with the relevant agencies;	1. 2019 Independent Environmental Audit Report 2. 2016 Independent Environmental Audit Report			The 2017 and 2019 IEAs included consultation with relevant agencies	Compliance	

PLANNING APPROVAL SSD 6333								
Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		(c) assess the environmental performance of the project and assess whether it is complying with the requirements in this approval and any relevant EPL or Mining Lease (including any assessment, plan or program required under these approvals);	1. 2019 Independent Environmental Audit Report 2. 2016 Independent Environmental Audit Report			The 2017 and 2019 IEAs included the review of the environmental performance of the project.	Compliance	
		(d) review the adequacy of strategies, plans or programs required under the abovementioned approvals; and	1. 2019 Independent Environmental Audit Report 2. 2016 Independent Environmental Audit Report			The 2017 and 2019 IEAs included the review of the plans and programs required by this Approval	Compliance	
		(e) recommend appropriate measures or actions to improve the environmental performance of the project, and/ or any assessment, plan or program required under the abovementioned approvals.	1. 2019 Independent Environmental Audit Report 2. 2016 Independent Environmental Audit Report			The 2017 and 2019 IEAs included recommendations to address non-compliances and recommendations to improve environmental performance.	Compliance	
S5.11		Within 6 weeks of completion of this audit, or as otherwise agreed by the Secretary, the Applicant shall submit a copy of the audit report to the Secretary, together with its response to any recommendations contained in the audit report.	1. 2019 Independent Environmental Audit Report 2. 2016 Independent Environmental Audit Report			This audit was completed (site audit and review of documentation) on 13 December 2019).	Compliance	
		Prior to the commencement of construction on the site, the Proponent shall: (a) make copies of the following publicly available on its website: (i) the documents referred to in condition 2 of Schedule 2;	1. Letter from DPIE to Oberon Quarries titled: "Oberon Quarry Continuation Project (SSD_6333) Annual Review 2018" dated 17 June 2019. 2. www.oberonquarries.com.au			Correspondence from DPIE to Oberon Quarries in 2018 noted that neither the 2017 Annual Review nor the 2017 Independent Environmental Audit had been uploaded to the proponent's website.	Compliance	
		(ii) all relevant statutory approvals for the project;	1. www.oberonquarries.com.au			The Project Approval and Environment Protection Licence are available on the Oberon Quarries Website.	Compliance	
S5.12	Access to Information	(iii) all approved strategies, plans and programs required under the conditions of this approval;	1. www.oberonquarries.com.au			The following plans have been uploaded to the Oberon Quarries Website: a) 2018 Pollution Incident Response Management Plan b) Noise Management Plan c) Blast Management Plan d) Air Quality Plan e) Water Management Plan f) Transport Management Plan g) Landscape and Rehabilitation Management Plan h) Environmental Management Strategy The superseded versions of the plans are currently loaded onto the website.	Non-Compliance	1. Upload the 2018 versions of the EMS and Plans onto the website.

PLANNING APPROVAL SSD 6333								
Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		(iv) a comprehensive summary of the monitoring results of the project, reported in accordance with the specifications in any approved plans or programs required under the conditions of this or any other approval;	1. www.oberonquarries.com.au			The following environmental monitoring results have been uploaded to the Oberon Quarries Website: a) Noise Monitoring Results b) 2017, 2018 and 2019 EPL and Management Plan Monitoring Reports c) Product Transport Summaries for 2016, 2017, 2018 and 2019.	Compliance	
		(v) a complaint register, which is to be updated on a monthly basis;	1. www.oberonquarries.com.au			A summary of complaints received since 2016 has been uploaded to the website.	Compliance	
		(vi) the annual reviews required under this approval;	1. www.oberonquarries.com.au			Annual reviews from 2015, 2016, 2017 and 2018 have been uploaded to the website.	Compliance	
		(viii) any independent environmental audit of the project, and the Proponent's response to the recommendations in any audit;	1. www.oberonquarries.com.au			The 2016 Independent Environmental Audit report and the company's response to the findings of that report have been uploaded to the website.	Compliance	
		(ix) any other matter required by the Secretary; and	1. www.oberonquarries.com.au			No requests for additional information to be uploaded to the website have been received from DPIE.	Not Triggered	
		(b) keep this information up to date, to the satisfaction of the Secretary.	1. www.oberonquarries.com.au			All relevant information accessed by the Auditor was up to date.	Compliance	

STATEMENT OF COMMITMENTS								
Reference	Short Title	Condition	Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
SOC 1	Operating Hours	Oberon Quarries' approved hours of operation are as per Condition 16 of DA 921164, and are dependent on the activity being undertaken; approved hours are detailed in Table 7.1 .	1. Record of Toolbox Training materials (not dated) titled "Noise Management Plan" that specifies the approved operational hours of the quarry. 2. Email from DPIE to Oberon Quarries titled "Oberon Quarry concerns regards to operating outside of hours", dated 289 October 2018. 3. Email from Oberon Quarries titled "RE: Oberon Quarry concerns regards to operating outside of hours" dated 11 March 2019. 4. Letter from Oberon Quarries to DPIE dated 6 March 2019 stating that the noise may have been associated with the loading of trucks and that no crushing has been undertaken outside of the approved hours.	1. Interview Jake Hargraves (CFO) - a complaint was received last year relating to noise. This was due to noise from the loading of trucks, not crushing.		Toolbox training materials include information on the approved hours of operations. A complaint regarding noise from crushing activities occurring after 6pm. Correspondence relating to this complaint was received from DPIE. No action was taken by DPIE in relation to the complaint. The Auditor is satisfied that the noise complaint, while legitimate was not related to crushing outside of approved hours.	Compliance	
SOC 2	Erosion and Sediment Control	Oberon Quarries will continue to implement localised sediment and erosion controls, as required, in accordance with Managing Urban Stormwater - Soils and Construction (Land com, 2001) to reduce the impacts on the water quality in	1. Water Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.		1.No material changes have been made to the sediment control system on site.	No Material changes have been made to the sediment control system on site.	Compliance	

STATEMENT OF COMMITMENTS								
Reference	Short Title	Condition	Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		the quarry's dirty water management system.						
SOC 3	Noise	Key noise management and mitigation measures to limit potential operational noise impacts currently being implemented at Oberon Quarries' operations and will be applied to future operations.	1. Noise Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated March 2017.		1.No material changes have been made to the noise management on site.	No Material changes have been made to the noise management on site.	Compliance	
SOC 4	Blasting	Oberon Quarries will continue to implement the existing blast management measures.	1. Blast Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.		1.No material changes have been made to the blast management on site.	No Material changes have been made to the blast management on site.	Compliance	
SOC 5	Air Quality	<p>Oberon Quarries has committed to implementing the following dust management and mitigation practices:</p> <ul style="list-style-type: none"> o regular watering of unsealed haul roads within the extraction and processing areas and working areas; o mist sprays on conveyors discharging to product stockpiles; o limiting vehicles speeds on unsealed surfaces to 40 km/h; o progressive stabilisation/rehabilitation of exposed areas no longer needed for operational purposes <ul style="list-style-type: none"> • rehabilitating the final landform surface as soon as practicable; • minimisation of the total disturbed!(in areas at any oo1e time; • implementing temporary stabilisation measures (e.g. rover crops or mulch) on disturbed areas soon as practicable, if rehabilitation is not to be undertaken within the coming three months; • where practical and possible conduct drilling and blasting during suitable meteorological conditions (i.e. not during high winds); • drill holes will be capped with stemming to restrict the upward emission of dust; • undertaking preventative maintenance on all dust suppression plant and equipment; • truck wheel wash facility will 	1. Air Quality Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2017.	1. Interview Jake Hargraves (CFO) - the truck wheel wash is no longer needed as the exit road from the site has now been paved.	<p>1. A water cart was observed in operation at the time of the audit.</p> <p>2. The truck wheel wash is no longer used.</p> <p>3. Water sprays are not provided for all stockpiles.</p> <p>4. At the time of the audit (during a period of extended dry weather) no significant dust generation was observed on site roads or in the vicinity of stockpiles. It is noted that the crushing plant was not operating at the time of the inspection.</p>	<p>The AQMP details the controls to be implemented. All controls except the use of the wheel wash are able to be implemented.</p> <p>There appears to be no provision dust control in pit stockpiles.</p>	Non-Compliance	<p>1. Recommission the truck wheel wash.</p> <p>2. Consider the provision of mobile water spray to permit dust suppression to be undertaken on stockpiles during adverse weather conditions.</p>

STATEMENT OF COMMITMENTS								
Reference	Short Title	Condition	Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		<p>be maintained to be fully functional;</p> <ul style="list-style-type: none"> covering of all laden trucks leaving the site; and monitoring of depositional dust levels and analysis of the data for trends (refer to Figure 6.1 for locations). 						
		<p>Oberon Quarries will continue to implement the existing air quality monitoring program which comprises four dust deposition gauges and monitor the dust levels at these locations at monthly sample intervals.</p>	<p>1. Air Quality Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2017.</p>			<p>The four dust deposition monitoring sites are being monitored monthly.</p>	<p>Compliance</p>	
SOC 6	Surface Water	<p>Surface water monitoring will continue in accordance with Condition 26 of DA 921164, and EPL Condition P1.3, surface water quality is monitored at two sites on Racecourse Creek (refer to Figure 6.1):</p> <p>The samples are analysed for pH, conductivity, turbidity, non-filterable residue (NFR), total nitrogen (TKN), total phosphorus (TP), and total petroleum hydrocarbons (TPH).</p>	<p>1. Water Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.</p>			<p>Surface water Sampling and Testing is being undertaken in accordance with the requirements of the EPL.</p>	<p>Compliance</p>	
SOC 7	Groundwater	<p>Groundwater will continue to be monitored in accordance with Condition 26 of OA 92/164. Oberon Quarries undertakes groundwater monitoring to determine any potential impacts as a result of quarry operations. Groundwater is monitored for pH and conductivity at a spring-fed dam (GW1) at 'Langley Heights', downslope of the quarry on Racecourse Hill.</p>	<p>1. Water Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.</p>			<p>Ground water Sampling and Testing is being undertaken in accordance with the requirements of the EPL.</p>	<p>Compliance</p>	
SOC 8	Traffic and Transport	<p>In accordance with existing consent requirements, Oberon Quarries pays and will continue to pay Oberon Council a tonnage based and indexed road maintenance contribution for wear and tear on roads (i.e. road pavement damage).</p>	<p>1. Summary of payments to Council for 2016 and 2017. 2. Invoice from Council for road levy contributions dated 29/10/2019.</p>			<p>A summary of payments to Council from July 2016 to May 2017 was sighted. The calculation of \$/tonne on the figures provided council correspondence confirmed that the payment rate was \$0.482 / tonne .</p>	<p>Compliance</p>	

STATEMENT OF COMMITMENTS								
Reference	Short Title	Condition	Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
SOC 9	Flora and Fauna	To ensure the ecological impacts of the quarry are minimised, Oberon Quarries has committed to implementing the following management and mitigation measures: <ul style="list-style-type: none"> • installing survey pegs to mark the extent of extraction; • create a stable final landform within the quarry pit consisting of self-sustaining vegetation communities characteristic of the pre quarry environment; • progressively conduct rehabilitation and revegetation of the post quarry area over the life of the operations and as quarrying operations of the second bench allow (refer to Section 6.18); • minimising the extent of vegetation clearance to that associated with the next blast area; and • identifying the weed management controls for the Project Area, i.e. types of weeds known to be present, required control methods and frequencies, as well as monitoring frequencies. 	1. Site survey plan prepared by Central West Survey, dated 25 October 2016.		1. Survey pegs showing the limits of extraction are in place around the quarry. Refer to Photo #8.	The site survey plan showed the limits of excavation. Survey pegs have been placed to show the limits of excavation.	Compliance	
SOC 10	Aboriginal Archaeology	To ensure the archaeological impacts of the quarry are minimised, Oberon Quarries has committed to implementing the following management and mitigation measures: <ul style="list-style-type: none"> o Oberon Quarries should ensure that all parties involved in the Project are aware that it is an offence under Section 86 of the NPW Act to harm or desecrate an Aboriginal object unless that harm or desecration is the subject of an AHIP; o Oberon Quarries will submit an ASIR form to correct the status of site AHIMS #44-6-0060, which appears as valid on the AHIMS database but was located within the approved extraction area; o in the event that an Aboriginal object (or objects) is uncovered during the proposed works, ground disturbance works will cease within 20 metres of the object(s) and 				<p>There has been no training (toolbox session or information in the site induction) to inform staff that it is an offence under Section 86 of the NPW Act to harm or desecrate an Aboriginal object unless that harm or desecration is the subject of an AHIP.</p> <p>There is no "unexpected finds procedure" or training that informs employees or contractors of what to do if a suspected heritage artefact is found.</p>	Non-Compliance	1. Develop training materials to cover Heritage issues and undertake that training for staff and any contractors involved in vegetation clearing or excavation work.

STATEMENT OF COMMITMENTS								
Reference	Short Title	Condition	Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		<p>OEH and the relevant Aboriginal parties will be contacted so that appropriate management strategies can be identified;</p>						
		<p>• In the unlikely event that a potential burial site or potential human skeletal material is exposed within the Project Area, the following procedure should be followed in accordance with the Policy Directive - Exhumation of Human Remains (NSW Department of Health, 2008). Skeletal Remains - Guidelines for the Management of Human Skeletal Remains under the Heritage Act 1977 (NSW Heritage Office, 1998) and the Aboriginal Cultural Heritage Standards and Guidelines Kit (NPWS, 1997):</p> <ul style="list-style-type: none"> - as soon as remains are exposed, work in the vicinity of the remains is to halt immediately to allow assessment and management; - the relevant manager of the project will be informed and will contact local police, OEH and the Heritage Branch; - if the remains are suspected to be human, a physical or forensic anthropologist should inspect the remains in situ. and make a determination of whether the remains are human and if so, the likely ancestry (Aboriginal or non-Aboriginal) and antiquity (pre-contact historic or forensic); if the remains are identified as forensic the area is deemed as crime scene; if the remains are identified as Aboriginal, the site is to be secured and OEH and the relevant Aboriginal parties are to be notified in writing; or - if the remains are non-Aboriginal (historical) remains, the site is to be secured and the Heritage Branch is to be contacted. <p>This process functions only to appropriately identify the remains and secure the site.</p> <p>From this time, the</p>				<p>No heritage artefacts have been found on the site.</p>	<p>Not Triggered</p>	

STATEMENT OF COMMITMENTS								
Reference	Short Title	Condition	Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		management of the remains is to be determined through liaison with the appropriate stakeholders and in accordance with the Public Health Act 1991.						
SOC 11	Greenhouse Gas and Energy	There are a number of mitigation and management measures proposed to be implemented for the ongoing operations. These are outlined in Table 7.2	1. Air Quality Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2017.			No procedures or controls for the minimisation of greenhouse gas emissions have been developed, implemented and documented in the AQMP.	Non-Compliance	1. Develop and implement a procedure minimise greenhouse gas emissions and document that procedure in the AQMP.
SOC 12	Waste	The current site waste management practices will continue to be implemented for the life of the Project.				No material changes to waste management practices have been made.	Compliance	
SOC 13	Bushfire	The Council approved bushfire management plan will continue to be implemented	1. Plant Map (showing the location of fire extinguishers and evacuation points)		1. Appropriate firefighting equipment was sighted by the Auditor around the site, including at fuel storage areas, weighbridge and crushing plant.	Appropriate firefighting equipment is located at the site.	Compliance	

ENVIRONMENT PROTECTION LICENCE 4442								
Reference	Short Title	Condition	Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
A1.1	Administrative Conditions	This licence authorises the carrying out of the scheduled development work listed below at the premises listed in A2: Crushing Grinding and Separating >100000 - 5000000 T per annum Extractive Industries >100000 - 5000000 T per annum	1. Product Transport Summary (Sep 2015 - Dec 2016) 2. Product Transport Summary (Jan 2017 - Dec 2017) 3. Product Transport Summary (Jan 2018 - Dec 2018) 4. Product Transport Summary (Jan 2019 - Sep 2019)			A review of the truck (product movements) for 2016, 2017, 2018 and 2019 indicated that the maximum annual product transport from the site over the Audit Period has been 376,952 tonnes.	Compliance	
A1.2		Langley Heights Hard Rock Quarry Hargraves Quarry Road Oberon LOT 94 DP 757067, LOT 107 DP 757067, LOT 108 DP 757067, LOT 2 DP 845776, LOT 3 DP 845776, LOT 3 DP 1087170					Noted	

ENVIRONMENT PROTECTION LICENCE 4442								
Reference	Short Title	Condition	Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
A1.3		Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence. In this condition the reference to "the licence application" includes a reference to: a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.					Noted	
P1.1	Utilisation Areas	The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.					Noted	
P1.2		The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids of liquids to the utilisation area.					Noted	
P1.3		The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.	1. Plan showing location of all active monitoring points: Point 7 Discharge pipe from 'Sedimentation Dam 3' as illustrated in the figure provided by the licensee on 13 May 2018 titled "Licence 4442 - Environmental Monitoring Locations" (DOC18/95523-04)					Noted
L 1.1	Pollution of Waters	Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.	1. 2017 EPL Monitoring Report 2. 2018 EPL Monitoring Report 3. 2019 EPL Monitoring Report			A review of the surface water monitoring results indicated that the quarry did not impact water quality of any receiving waters.	Compliance	
L2.1	Concentration Limits	For each monitoring/discharge point or utilisation area specified in the table below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.	1. 2017 EPL Monitoring Report 2. 2018 EPL Monitoring Report 3. 2019 EPL Monitoring Report			A review of the surface water monitoring results indicated that all water samples tested complied with the concentration limits specified.	Compliance	

ENVIRONMENT PROTECTION LICENCE 4442								
Reference	Short Title	Condition	Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
L2.2		Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.	1. 2017 EPL Monitoring Report 2. 2018 EPL Monitoring Report 3. 2019 EPL Monitoring Report			A review of the surface water monitoring results indicated that all water samples tested complied with the concentration limits specified.	Compliance	
L2.3		To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table\.	1. 2017 EPL Monitoring Report 2. 2018 EPL Monitoring Report 3. 2019 EPL Monitoring Report				Noted	
L2.4		Water and/or Land Concentration Limits; Oil and Grease 10 mg/l pH 6.5 - 8.5 Total Suspended Solids 50 mg/l	1. 2017 EPL Monitoring Report 2. 2018 EPL Monitoring Report 3. 2019 EPL Monitoring Report			A review of the surface water monitoring results indicated that all water samples tested complied with the concentration limits specified.	Compliance	
L3.1	Waste	The licensee must not cause, permit or allow any waste generated outside the premises to be received at the premises for storage, treatment, processing, reprocessing or disposal or any waste generated at the premises to be disposed of at the premises, except as expressly permitted by the licence under the Protection of the Environment Operations Act 1997.		1. Interview Jake Hargraves (CFO) - no wastes are received at the facility.	1. No evidence of off-site waste receipt was observed during the audit.	No wastes are accepted at the quarry.	Compliance	
L3.2		This condition only applies to the storage, treatment, processing, reprocessing or disposal of waste at the premises if it requires an environmental protection licence under the Protection of the Environment Operations Act 1997.					Noted	

ENVIRONMENT PROTECTION LICENCE 4442								
Reference	Short Title	Condition	Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
L4.1	Noise Limits	<p>Noise from the premises must not exceed:</p> <p>a) 36 dB(A) LAeq(15 minute) during the day (7am to 6pm) Monday to Friday and 7.00am to 5.00pm Saturday ; and</p> <p>b) 35 dB(A) LAeq(15 minute) during the evening (6pm to 10pm) Monday to Friday; and</p> <p>c) at all other times 35 dB(A) LAeq (15 minute), except as expressly provided by this licence.</p> <p>Where LAeq means the equivalent continuous noise level – the level of noise equivalent to the energy-average of noise levels occurring over a measurement period.</p> <p>Note: The above noise limits do not apply at properties where the licensee has a written agreement with the landowner to exceed the noise limits.</p>	<ol style="list-style-type: none"> 1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017). 4. Complaints Register 			<p>Oberon Quarry has established noise agreements in place with private landholders to produce noise levels higher than criteria limits. These agreements, including the discontinuation of noise monitoring were approved by the DPE on 2 February 2017.</p> <p>A noise compliant was received (via DPIE) in 2018.</p> <p>Noise monitoring was last undertaken on 10 February 2017. The noise monitoring undertaken detected non-compliances with the noise limits set in this Condition.</p> <p>No noise monitoring has been undertaken over the last four quarters of this Audit Period. Oberon Quarries considers that their agreements with landowners (agreeing that noise monitoring is only required following a noise complaint) is appropriate.</p> <p>It is noted that following the noise complaint referred to above that no noise monitoring was undertaken.</p>	Compliance	
L4.2		<p>To determine compliance with condition(s) L4.1 noise must be measured at, or computed for, any affected noise sensitive location(s) (such as a residence, school or hospital). A modifying factor correction must be applied for tonal, impulsive or intermittent noise in accordance with the "Environmental Noise Management - NSW Industrial Noise Policy (January 2000)".</p>						Noted
L5.1	Blasting	<p>The air blast overpressure level from blasting operations at the premises must not exceed 115dB (Lin Peak) at any noise sensitive locations for more than five per cent of the total number of blasts over each reporting period. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.</p>	<ol style="list-style-type: none"> 1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017). 			<p>Seven production blasts were undertaken in the 2017 calendar year. One exceedance in blast over pressure was recorded.</p> <p>Five production blasts were undertaken during the 2018 Calendar Year. One blast (22 January 2018) exceeded the over pressure limit and represented 5% of the blasts undertaken.</p> <p>Seven production blasts were undertaken in the 2019 calendar year (to date).</p>	Non Compliance	<ol style="list-style-type: none"> 1. Review the blasting procedures to determine the causes of the exceedances and modify the blasting procedures as necessary.

ENVIRONMENT PROTECTION LICENCE 4442								
Reference	Short Title	Condition	Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
L5.2		The air blast overpressure level from blasting operations at the premises must not exceed 120dB (Lin Peak) at any time at any noise sensitive locations. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.	1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017).			Seven production blasts were undertaken in the 2017 calendar year. One exceedance (19 July 2017, 128.7 dB (Lin Peak)) in blast over pressure was recorded. Five production blasts were undertaken during the 2018 Calendar Year. One blast (22 January 2018) exceeded the over pressure limit and represented 5% of the blasts undertaken. Seven production blasts were undertaken in the 2019 calendar year (to date).	Non Compliance	1. Review the blasting procedures to determine the causes of the exceedances and modify the blasting procedures as necessary.
L5.3		Ground vibration peak particle velocity from the blasting operations at the premises must not exceed 5mm/sec at any noise sensitive locations for more than five per cent of the total number of blasts over each reporting period. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.	1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017).			Seven production blasts were undertaken in the 2017 calendar year. No exceedances in ground vibration peak particle velocity were recorded. Five production blasts were undertaken during the 2018 Calendar Year. No exceedances in ground vibration peak particle velocity were recorded. Seven production blasts were undertaken in the 2019 calendar year (to date). No exceedances in ground vibration peak particle velocity were recorded.	Compliance	
L5.4		Ground vibration peak particle velocity from the blasting operations at the premises must not exceed 10mm/sec at any time at any noise sensitive locations. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.	1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017).			Seven production blasts were undertaken in the 2017 calendar year. No exceedances in ground vibration peak particle velocity were recorded. Five production blasts were undertaken during the 2018 Calendar Year. No exceedances in ground vibration peak particle velocity were recorded. Seven production blasts were undertaken in the 2019 calendar year (to date). No exceedances in ground vibration peak particle velocity were recorded.	Compliance	
O1.1	Operating Conditions	Licensed activities must be carried out in a competent manner. This includes: a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and			1. The operational activities observed by the Auditor were being undertaken in a competent manner.	The operational activities observed by the Auditor were being undertaken in a competent manner.	Compliance	

ENVIRONMENT PROTECTION LICENCE 4442								
Reference	Short Title	Condition	Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.			<p>1. Used batteries are stored in a open area, on a pallet in a derelict plant storage area (Photo #6).</p> <p>2. Oil from derelict equipment has seeped onto soils in the derelict equipment area. (Area #7).</p>	In general, the management and storage of waste materials were being undertaken in a competent manner with the exception of waste batteries and oils associated with come derelict equipment.	Non Compliance	<p>1. Ensure that used batteries are stored in an appropriate roofed and bunded area (or on a bunded pallet).</p> <p>2. Stock piling of used batteries should be avoided. Batteries should be disposed of by (by recycling) via an appropriately licenced waste contractor.</p> <p>3. Ensure oils are drainage (and collected) from derelict equipment and disposed of by an ap[appropriately licenced waste contractor.</p>
O2.0	Maintenance	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.	1. Site Manager's Diary (2019).	1. Interview Jake Hargraves (CFO) - maintenance of plant and equipment is undertaken on site by the Quarry Manager and Boiler Maker. The Quarry Manager inspects all operational plant weekly and records maintenance actions required in his diary.	1. During the site inspection plant and equipment sighted by the Auditor appeared to be operational and appropriately maintained.	While a formal maintenance management system has not been implemented, the informal system in place provides an adequate framework for plant and equipment maintenance.	Compliance	
O3.0	Dust	The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.	1. Air Quality Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2017.	1. Interview Jake Hargraves (CFO) - the truck wheel wash is no longer needed as the exit road from the site has now been paved.	<p>1. A water cart was observed in operation at the time of the audit.</p> <p>2. The truck wheel wash is no longer used.</p> <p>3. Water sprays are not provided for all stockpiles.</p> <p>4. At the time of the audit (during a period of extended dry weather) no significant dust generation was observed on site roads or in the vicinity of stockpiles. It is noted that the crushing plant was not operating at the time of the inspection.</p>	<p>The AQMP details the controls to be implemented. All controls except the use of the wheel wash are able to be implemented.</p> <p>There appears to be no provision dust control in pit stockpiles.</p>	Non Compliance	O1.1
O4.1	Other Operating Conditions	The sediment basin identified as EPA identification no 7 (licence discharge point 7) under condition P1.3 must be drained or pumped out within 5 days following rainfall in order to maintain the design storage capacity of the basin.		1. Interview Marina Holmes (HSE Coordinator) - this dam has not discharged in over 4 years, as we are in drought for the last 7 years,	1. The sediment pond was dry at the time of the audit.	Due to drought conditions there has been no requirement to discharge this sediment pond.	Not Triggered	
O4.2		Water discharged to comply with condition O4.1 may only be discharged from sediment ponds to waters via licence discharge point 7 when the water quality complies with the		1. Interview Marina Holmes (HSE Coordinator) - this dam has not discharged in over 4 years, as we are in drought for the last 7 years,	1. The sediment pond was dry at the time of the audit.		Not Triggered	

ENVIRONMENT PROTECTION LICENCE 4442								
Reference	Short Title	Condition	Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		discharge limits specified under condition L2.4 for licence discharge point 7.						
O4.3		The licensee must undertake maintenance to desilt all sediment ponds to retain their design storage capacities.			1. No significant build-up of sediment was observed in any sediment ponds.	No significant build-up of sediment was observed in any sediment ponds.	Compliance	
M1.1		The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.	1. 2017 EPL Monitoring Report 2. 2018 EPL Monitoring Report 3. 2019 EPL Monitoring Report			All monitoring data required under the EPL is recorded and available for review on the website.	Compliance	
M1.2	Monitoring Records	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.	1. 2017 EPL Monitoring Report 2. 2018 EPL Monitoring Report 3. 2019 EPL Monitoring Report			All monitoring data required under the EPL is recorded and available for review on the website.	Compliance	
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.	1. 2017 EPL Monitoring Report 2. 2018 EPL Monitoring Report 3. 2019 EPL Monitoring Report			While the monitoring and testing results are maintained (in summary form), full details of the sampling and testing in accordance with this condition is not maintained by Oberon Quarries.	Non Compliance	1. Ensure that the consultants contracted to undertake monitoring and testing on behalf of the quarry provide full details of sampling and testing in accordance with this Condition.
M2.1	Monitoring Requirements	For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns: (table on page 10).	1. Groundwater monitoring report (7 Novemebr 2019) from Groundwell Laboratories (NATA Accredited). 2. Water Monitoring Report (20 November 2019) from Sydney Analytical Laboratories (NATA Accredited). 3. Dust monitoring and analysis report (25 October 2019) from Sydney Analytical Laboratories (NATA Accredited).			The test methods specified in this Condition are being used.	Compliance	

ENVIRONMENT PROTECTION LICENCE 4442								
Reference	Short Title	Condition	Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
M2.2	Air Monitoring Requirements	Point 1 Monthly Method AM-19 Point 2 Monthly Method AM-19 Point 3 Monthly Method AM-19 Point 4 Monthly Method AM-19	1. Groundwater monitoring report (7Novemembr 2019) from Groundwell Laboratories (NATA Accredited). 2. Water Monitoring Report (20 November 2019) from Sydney Analytical Laboratories (NATA Accredited). 3. Dust monitoring and analysis report (25 October 2019) from Sydney Analytical Laboratories (NATA Accredited).		1. Dust deposition gauges (Method AM-19) were observed during the audit.	The test methods specified in this Condition are being used.	Compliance	
M2.3	Water Monitoring Requirements	Point 7: Oil and Grease - weekly grab sample when discharging pH - weekly grab sample when discharging TSS - weekly grab sample when discharging		1. Interview Marina Holmes (HSE Coordinator) - this dam has not discharged in over 4 years, as we are in drought for the last 7 years,	1. The sediment pond was dry at the time of the audit.	Due to drought conditions there has been no requirement to discharge this sediment pond.	Not Triggered	
M3.1	Testing Methods	Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with: a) any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or b) if no such requirement is imposed by or under the Act, any methodology which a condition of this licence requires to be used for that testing; or c) if no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.	1. Groundwater monitoring report (7Novemembr 2019) from Groundwell Laboratories (NATA Accredited). 2. Water Monitoring Report (20 November 2019) from Sydney Analytical Laboratories (NATA Accredited). 3. Dust monitoring and analysis report (25 October 2019) from Sydney Analytical Laboratories (NATA Accredited).			The test methods specified in this Condition are being used.	Compliance	
M3.2		Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.	1. Groundwater monitoring report (7Novemembr 2019) from Groundwell Laboratories (NATA Accredited). 2. Water Monitoring Report (20 November 2019) from Sydney Analytical Laboratories (NATA Accredited). 3. Dust monitoring and analysis report (25 October 2019) from Sydney Analytical Laboratories (NATA Accredited).			The test methods specified in this Condition are being used.	Compliance	

ENVIRONMENT PROTECTION LICENCE 4442								
Reference	Short Title	Condition	Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
M4.1	Complaints	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.	1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017).			A summary of the complaints received were available in the Annual Reviews and separately on the website.	Compliance	
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.	1. Oberon Quarries Annual Review 1 January - 31 December 2018, prepared by Umwelt, (issued March 2019). 2. Oberon Quarries Annual Review 1 January - 31 December 2017, prepared by Umwelt (issued July 2018). 3. Oberon Quarries Annual Review 1 January - 31 December 2016, prepared by Umwelt, (issued March 2017).			While copies of correspondence related to some of the complaints received, and summaries of the complaints received were available during the audit, a "Complaints Register" containing the information required by this condition was not being maintained.	Non Compliance	Establish and maintain a detailed complaint register (for internal use, not for public distribution) that includes the details required in the EPL Condition.
M4.3		The record of a complaint must be kept for at least 4 years after the complaint was made.				While copies of correspondence related to some of the complaints received, and summaries of the complaints received were available during the audit, a "Complaints Register" containing the information required by this condition was not being maintained.	Non Compliance	Establish and maintain a detailed complaint register (for internal use, not for public distribution) that includes the details required in the EPL Condition.
M4.4		The record must be produced to any authorised officer of the EPA who asks to see them.					Noted	
M5.1	Telephone Complaints Line	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.	1. www.oberonquarries.com.au		1. Site entry signage and quarry trucks	Quarry contact phone numbers are published on the website, on Oberon Quarry Trucks and at the site entrance.	Compliance	
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.	1. www.oberonquarries.com.au			Quarry complaints phone number is published on the website.	Compliance	

ENVIRONMENT PROTECTION LICENCE 4442								
Reference	Short Title	Condition	Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
M5.3		The preceding two conditions do not apply until 3 months after the date of the issue of this licence					Noted	
R1.1	Annual Returns	The licensee must complete and supply to the EPA an Annual Return in the approved form comprising: 1. a Statement of Compliance, 2. a Monitoring and Complaints Summary, 3. a Statement of Compliance - Licence Conditions, 4. a Statement of Compliance - Load based Fee, 5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan, 6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and 7. a Statement of Compliance - Environmental Management Systems and Practices.	1. (EPA Public Register Oberon Licence Page): https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=4442&id=4442&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued			Annual Returns have been provided to the EPA consistently since 2000.	Compliance	
R1.2		An Annual Return must be prepared in respect of each reporting period, except as provided in the below conditions.				Annual Returns have been provided to the EPA consistently since 2000.	Compliance	
R1.3		Where this licence is transferred from the licensee to a new licensee: a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.					Noted	
R1.4		Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on: a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or b) in relation to the revocation					Noted	

ENVIRONMENT PROTECTION LICENCE 4442								
Reference	Short Title	Condition	Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		of the licence - the date from which notice revoking the licence operates.						
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').	1. Email from H. Helms to the Auditor dated 1 November 2019 in response to the audit consultation request. In relation to the submission of Annual Returns the EPA stated: " <i>Administratively, Oberon Quarries appear to be having a few issues. EPA Head Office issued an Official Caution last September for the late submission of their Annual Return. This follows on from consecutive years of late submission of the AR</i> "			All annual returns prepared during the audit period where not submitted on time.	Non Compliance	1. Ensure that all future Annual Returns are submitted within the required timeframe.
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.				Records of annual returns are maintained.	Compliance	
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.				Annual Returns are signed by the Licence Holder.	Compliance	
R2.1		Notifications of Environmental Harm must be made by telephoning the Environment Line service on 131 555.		1. Interview Marina Holmes (HSE Coordinator) - No incidents of potential "Environmental Harm" have occurred. Dust and blasting exceedance have been reported.		No incidents resulting in "Environmental Harm" were recorded over the Audit Period.	Not Triggered	
R2.2	Notification of Environmental Harm	The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred. Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the		1. Interview Marina Holmes (HSE Coordinator) - No incidents of potential "Environmental Harm" have occurred. Dust and blasting exceedance have been reported.		No incidents resulting in "Environmental Harm" were recorded over the Audit Period.	Not Triggered	

ENVIRONMENT PROTECTION LICENCE 4442								
Reference	Short Title	Condition	Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		requirements of Part 5.7 of the Act.						
R3.1	Written Report	Where an authorised officer of the EPA suspects on reasonable grounds that: a) where this licence applies to premises, an event has occurred at the premises; or b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence, and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.		1. Interview Marina Holmes (HSE Coordinator) - No notices related to pollution events have been received.		No incidents resulting in "Environmental Harm" were recorded over the Audit Period.	Not Triggered	
R3.2		The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.	1. Relevant incident investigations	1. Interview Marina Holmes (HSE Coordinator) - No notices related to pollution events have been received.		No incidents resulting in "Environmental Harm" were recorded over the Audit Period.	Not Triggered	
R3.3		The request may require a report which includes any or all of the following information: a) the cause, time and duration of the event; b) the type, volume and concentration of every pollutant discharged as a result of the event; c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event; d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort; e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants; f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event;	1. Copy of any notifications to the EPA relating to actual or potential environmental harm during the Audit Period	1. Interview Marina Holmes (HSE Coordinator) - No notices related to pollution events have been received.		No incidents resulting in "Environmental Harm" were recorded over the Audit Period.	Not Triggered	

ENVIRONMENT PROTECTION LICENCE 4442								
Reference	Short Title	Condition	Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		and g) any other relevant matters						
R3.4		The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified.	1. Copies of any requests from the EPA for reports relating to incidents				Noted	
G1.1	Copy of Licence	A copy of this licence must be kept at the premises to which the licence applies.	1. Web site		1. A copy of the licence was sighted by the Auditor during the Audit.	Both an electronic and hard copy of the licence was on site at the time of the Audit.	Compliance	
G1.2		The licence must be produced to any authorised officer of the EPA who asks to see it.					Noted	
G1.3		The licence must be available for inspection by any employee or agent of the licensee working at the premises.	1. Web site		1. A copy of the licence was sighted by the Auditor during the Audit.	Both an electronic and hard copy of the licence was on site at the time of the Audit.	Compliance	

Audit Photos

Appendix B



Photo # 2 - Quarry Pit



Photo # 1 - Crusher Plant



Photo # 3 - Dust Deposition Page



Photo # 5 - Vegetation Regeneration



Photo # 4 - Diesel Fuel Storage



Photo # 7 - Used Battery Storage



Photo # 6 - Oil seepage from derelict Equipment



Photo # 8 - Limit of Excavation Markers

DPIE Auditor Approval

Appendix c