



OBERON**QUARRIES**

ABN: 12 054 994 802

Oberon Quarry Project

Annual Review 2020

for the period

1 January 2020 to 31 December 2020



Prepared by:



R.W. CORKERY & CO. PTY. LIMITED

March 2021
Amendment A – May 2021

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1 January 2020 to 31 December 2020

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March 2021
Amendment A – May 2021



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Title Block

Name of operation	Oberon Quarry
Name of operator	Oberon Quarries Pty Ltd
Development consent / project approval #	Oberon Quarry Continuation Project Development Consent SSD_6333
Name of holder of development consent / project approval	Oberon Quarries Pty Ltd
Mining Lease #	N/A
Name of holder of mining lease	
Water licence #	Water Access Licence (WAL) 34279
Name of holder of water licence	Oberon Quarries Pty limited
MOP/RMP start date	N/A
MOP/RMP end date	
Annual Review start date	1 January 2020
Annual Review end date	31 December 2020
I, Jake Hargraves, Chief Financial Officer of Oberon Quarries Pty Ltd, certify that this audit report is a true and accurate record of the compliance status of the Oberon Quarry Project for the period 1 January 2020 to 31 December 2020 and that I am authorised to make this statement on behalf of Oberon Quarries Pty Ltd. Note. a) The Annual Review is an 'environmental audit' for the purposes of section 122B(2) of the Environmental Planning and Assessment Act 1979. Section 122E provides that a person must not include false or misleading information (or provide information for inclusion in) an audit report produced to the Minister in connection with an environmental audit if the person knows that the information is false or misleading in a material respect. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000. b) The Crimes Act 1900 contains other offences relating to false and misleading information: Section 192G (Intention to defraud by false or misleading statement – maximum penalty 5 years imprisonment); Section 307A, 307B and 307C (false or misleading application/information/documents – maximum penalty 2 years imprisonment or \$22,000, or both).	
Name of authorised reporting officer	Jake Hargraves
Title of authorised reporting officer	Managing Director
Signature of authorised reporting officer	
Date	Original 30 March 2021
	Amendment A 14 May 2021

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1. STATEMENT OF COMPLIANCE

The compliance status of relevant approvals was reviewed for the reporting period (see **Appendix 1**) and is summarised in **Table 1**. A compliance status key is provided in **Table 2** and **Table 3** provides a summary of non-compliances during the reporting period. Note that this table and **Appendix 1** make reference to the latest Independent Environmental Audit for the Quarry, dated 28 February 2020. A copy of the 2020 Independent Environmental Audit, together with a copy of the Company's response to the audit, is also provided in **Appendix 1**.

The compliance review identified a total of seven non-compliances with conditions of SSD_6333 (ten including sub-components), one non-compliance with the conditions of EPL 4442 and no non-compliances with conditions of WAL 34279 or the Statement of Commitments (Appendix 2 of SSD_6333) during the reporting period.

Table 1
Statement of Compliance

Were all conditions of the relevant approval(s) complied with?	Yes / No
Development Consent SSD_6333	No
Statement of Commitments (Appendix 2 of SSD_6333)	Yes
EPL 4442	No
WAL 34279	Yes

Table 2
Compliance Status Key

Risk level	Colour code	Description
High	Non-compliant	Non-compliance with potential for significant environmental consequences, regardless of the likelihood of occurrence.
Medium	Non-compliant	Non-compliance with: - potential for serious environmental consequences, but is unlikely to occur; or - potential for moderate environmental consequences, but is likely to occur.
Low	Non-compliant	Non-compliance with: - potential for moderate environmental consequences, but is unlikely to occur; or - potential for low environmental consequences, but is likely to occur.
Administrative non-compliance	Non-compliant	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).

Table 3
Non-compliances During the Reporting Period

Page 1 of 3

Page 1 of 1

Approval	Cond. No.	Condition Description (summary)	Compliance Status	Comment	Where Addressed in Annual Review	
SSD_6333	2/2	The Applicant shall carry out the development:	Non-compliant	All conditions of SSD_6333 have not been satisfied. Refer to specific non-compliances as outlined below.	See below	
		a) generally in accordance with the EIS;				
		b) in accordance with the Development Layout and Statement of Commitments; and				
		c) in accordance with the conditions of this consent.				
3/1		The Applicant shall comply with the operating hours set out in Table 1.	Non-compliant	One complaint was received at the Quarry (via DPIE) during the reporting period concerning noise associated with trucks entering and exiting the Quarry Site prior to 6:00am. Surveillance conducted by DPIE indicated that excessive noise generated by Quarry-related vehicles was likely associated with the use of engine brakes by trucks.	9.2	
		Table 1: Operating Hours				
		Activity				Operating Hours
		Extraction operations				7 am to 6 pm Monday to Friday 7 am to 5 pm Saturday
		Loading and dispatch				6 am to 10 pm Monday to Friday 6 am to 5 pm Saturday
		Construction and maintenance activities				7 am to 6pm Monday to Friday 7 am to 4 pm Saturday
		Blasting				9 am to 5 pm Monday to Saturday
Note: The Applicant may carry out other activities e.g. maintenance, on the site provided that these activities are conducted in a manner that is inaudible at all privately-owned residences.						
3/6		The Proponent shall ensure that blasting on the site does not cause exceedances of the criteria in Table 3.	Non-compliant	Twelve production blasts were undertaken during the reporting period. Two blasts exceeded the 115 dB(Lin Peak) limit, representing 17% of the total blasts.	6.4	
		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				
3/11		The Applicant shall: c) minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see note d under Table 4);	Non-compliant	The Air Quality Management Plan 2017 does not detail a procedure for responses to adverse meteorological conditions.	6.5	

Table 3 (Cont'd)
Non-compliances During the Reporting Period

Page 2 of 3

Approval	Cond. No.	Condition Description (summary)	Compliance Status	Comment	Where Addressed in Annual Review
SSD_6333 (Cont'd)	3/21	The Applicant shall prepare and implement a Transport Management Plan for the development to the satisfaction of the Secretary. This plan must: a) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary; b) include a Drivers' Code of Conduct to minimise the impacts of development-related trucks on local residences and road users; and c) describe the measures that would be put in place to ensure compliance with the Drivers' Code of Conduct.	Non-compliant	One complaint was received at the Quarry (via DPIE) during the reporting period concerning noise associated with trucks entering and exiting the Quarry Site prior to 6:00am. Surveillance conducted by DPIE indicated that excessive noise was associated with the use of engine brakes. Section 4.2 of the Transport Management Plan and the Driver's Code of Conduct require that Drivers not use engine brakes on local streets and drive in a manner that minimises noise.	9.2
	3/25	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 plan and relevant conditions of this consent.	Non-compliant	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.	11
	4/1	As soon as reasonably practicable after obtaining monitoring results showing an exceedance of any relevant criteria in Schedule 3, the Applicant shall notify affected landholders of the exceedance.	Non-compliant	Notifications of exceedances were not provided to privately-owned residences (not subject to a blasting agreement) following exceedances of the lower airblast overpressure limit.	11
	5/6	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	Non-compliant	Twelve production blasts were undertaken during the reporting period. Two blasts exceeded the 115 dB(Lin Peak) limit, representing 17% of the total blasts.	6.4

Table 3 (Cont'd)
Non-compliances During the Reporting Period

Page 3 of 3

Approval	Cond. No.	Condition Description (summary)	Compliance Status	Comment	Where Addressed in Annual Review
SSD_6333 (Cont'd)		Where any exceedance of these criteria and/or performance measures has occurred, the Applicant must, at the earliest opportunity: a) take all reasonable and feasible steps to ensure that the exceedance ceases and does not reoccur;	Non-compliant	As the exceedances were not identified as incidents following blast monitoring, all reasonable and feasible steps to prevent reoccurrence of these exceedances were not taken at the earliest opportunity.	6.4 & 11
		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	Non-compliant	The Company will review blast monitoring practices and ensure future exceedances are reported as required. Due to the nature of the exceedances, no remediation is considered necessary.	6.4 & 11
		c) implement remediation measures as directed by the Secretary; to the satisfaction of the Secretary.	Non-compliant	Although no remediation measures were likely to be necessary, the Company will review blast monitoring practices and ensure future exceedances are reported as required.	6.4 & 11
	5/7	The Applicant shall immediately notify the Secretary and any other relevant agencies of any incident. Within 7 days of the date of the incident, the Applicant shall provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested.	Non-compliant	No notification or reports of the exceedances were made to the Secretary or relevant agencies and a detailed report was not provided within 7 days of each of the two identified exceedances.	11
EPL 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 not to be taken into account in determining whether or not the limit has been exceeded.	Non-compliant	Twelve production blasts were undertaken in this reporting period. Two blast events during the reporting period exceeded 115dB(Lin Peak) limit, representing 17% of total blasts.	6.4

2. INTRODUCTION

2.1 SCOPE AND FORMAT

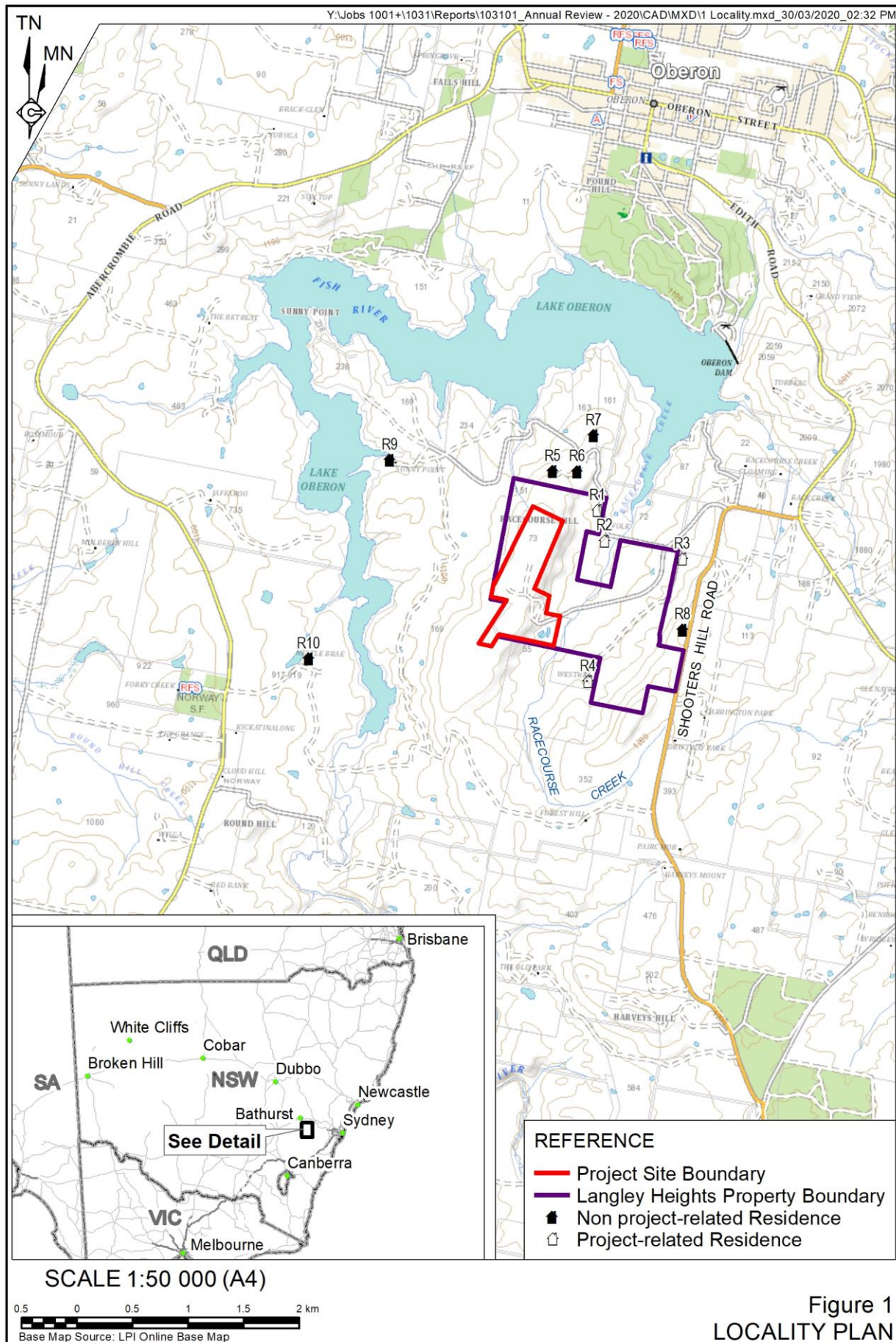
This document represents the 6th Annual Review (the Report) prepared for the Oberon Quarry located on Hargraves Quarry Road, Oberon, New South Wales (**Figure 1**). Oberon Quarry (the Quarry) is owned and operated by Oberon Quarries Pty Ltd (the Company) and encompasses a hard rock extraction and processing operation. The Report covers the period from 1 January 2020 to 31 December 2020 (the reporting period).

The Report has been prepared primarily to satisfy Condition 9 of development consent SSD_6333 (**Appendix 2**) (**Table 4**). However, the Report also documents activities undertaken to satisfy the various conditions or requirements of Environment Protection Licence (EPL) 4442 and Water Access Licence (WAL) 34279 as well as commitments made by the Company in earlier reports.

Table 4
Annual Review Requirements – Condition 9 of Schedule 5 of SSD_6333

Requirement	Addressed in Section
By the end of March each year, or other timing as may be agreed by the Secretary, the Applicant shall review the environmental performance of the development to the satisfaction of the Secretary. This review must:	This Annual Review
a) describe the development (including any rehabilitation) that was carried out in the previous calendar year, and the development that is proposed to be carried out over the current calendar year;	Sections 4, 8 and 12
b) include a comprehensive review of the monitoring results and complaints records of the development over the previous calendar year, which includes a comparison of these results against the: – relevant statutory requirements, limits or performance measures/criteria; – requirements of any plan or program required under this consent; – monitoring results of previous years; and – relevant predictions in the EIS.	Section 6, 7 and 9
c) identify any non-compliance over the past calendar year, and describe what actions were (or are being) taken to ensure compliance;	Sections 1, 11 and Appendix 1
d) identify any trends in the monitoring data over the life of the development;	Section 6
e) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and	Section 6
f) describe what measures will be implemented over the current calendar year to improve the environmental performance of the development.	Sections 6, 8, 10 and 12

The Report documents the extraction, processing, water management and rehabilitation works completed during the 12-month period from 1 January 2020 to 31 December 2020. The status and effectiveness of environmental management is also discussed, with the results of noise, air quality, blasting, surface water and groundwater monitoring presented and analysed. The report also identifies the program for extraction, rehabilitation and environmental management for the period 1 January 2021 to 31 December 2021 (the next reporting period).



In order to avoid unnecessary repetition of background or operational information contained within previous Annual Reviews or other documents previously submitted by the Company, the reader is referred to the relevant sections of those documents. However, for all sections where changes have occurred, the nature of those changes and the relevant background information is presented. Similarly, only figures updated to reflect changes since the submission of the 2019 Annual Review, or those frequently referred to in the text, are presented in this document.

2.2 OVERVIEW OF OPERATIONS

2.2.1 Approved Activities

Figure 2 presents the approved site layout for the Quarry. The approved activities at the Quarry comprise the following.

- Development and use of an extraction area to extract hard rock material using standard drill, blast, load and haul techniques.
- Crushing and processing of hard rock material to produce quarry products.
- Transportation of up to 400 000t per year of quarry products.
- Progressive rehabilitation and construction of the final landform following extraction of the first and second benches within the Extraction Area.

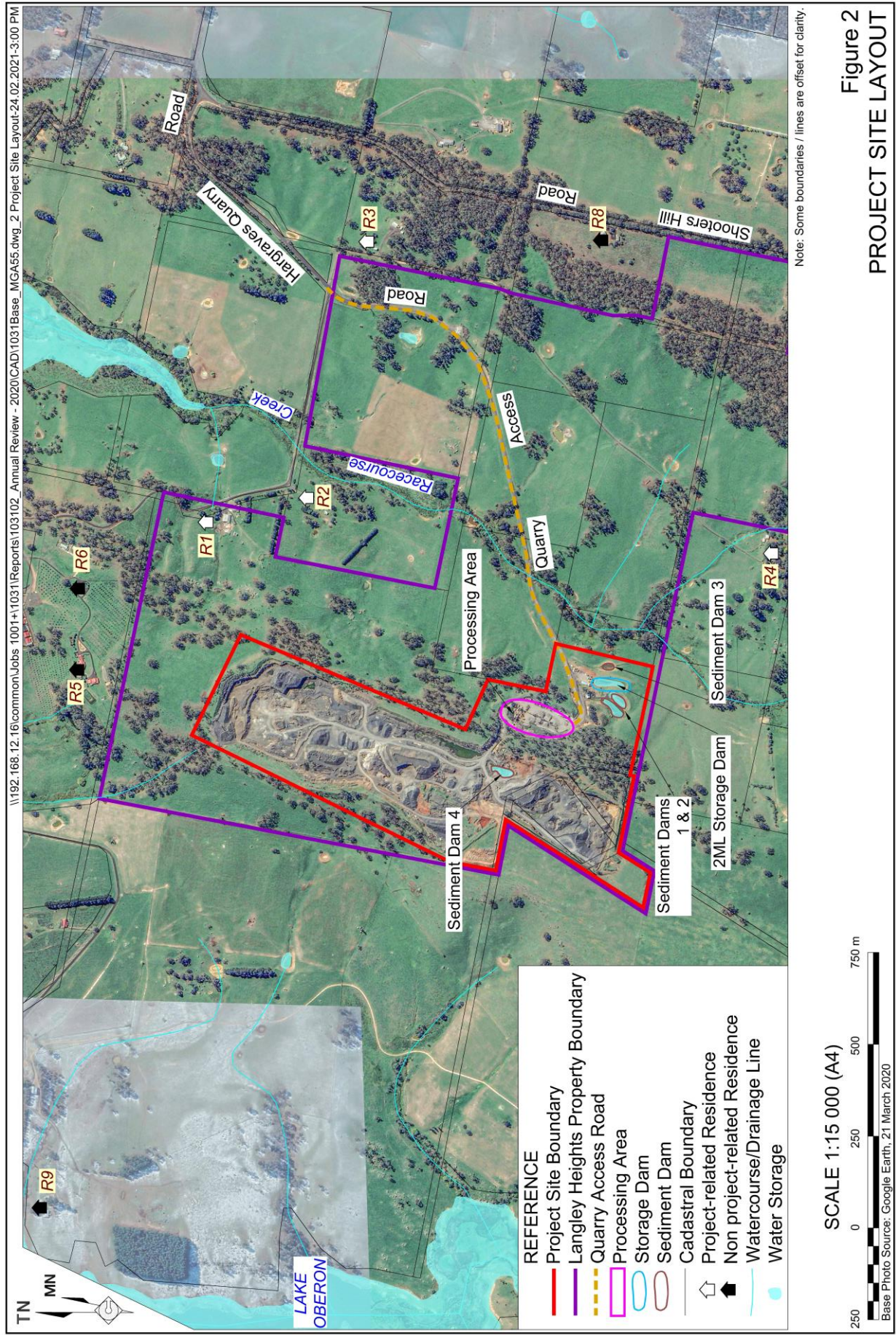
2.2.2 Hours of Operation

Table 5 outlines the approved hours of operation as specified under Condition 1 of Schedule 3 of SSD_6333.

Table 5
Oberon Quarry – Approved Hours of Operation

Activity	Operating Hours
Extraction Operations	7:00am to 6:00pm, Monday to Friday 7:00am to 5:00pm on Saturday
Loading and Despatch	6:00am to 10:00pm, Monday to Friday 6:00am to 5:00pm on Saturday
Construction and Maintenance Activities	7:00am to 6:00pm, Monday to Friday 7:00am to 4:00pm on Saturday
Blasting	9:00am to 5:00pm, Monday to Saturday
Source: SSD_6333, Condition 1 of Schedule 3.	

All activities during the reporting period were undertaken within the approved hours of operation.



2.3 KEY PERSONNEL CONTACT DETAILS

Table 6 provides the names and contact details of key personnel responsible for the various aspects of the operation and environmental management during the reporting period.

Table 6
Key Personnel Responsible for Operations and Environmental Management

Name	Company	Position	Contact Number
Neil Hargraves	Oberon Quarries Pty Ltd	Managing Director	(02) 6336 0259
John Fisher	Oberon Quarries Pty Ltd	Quarry Manager	(02) 6336 0259
Marina Holmes	Oberon Quarries Pty Ltd	Administration Officer	(02) 6336 0312

3. APPROVALS

Table 7 provides a current list of statutory instruments in effect, including the date of grant of all consents, approvals and licences.

Table 7
Oberon Quarry – Approvals, Leases and Licences

Approval/Lease/Licence	Issue / Approval Date	Expiry Date	Details / Comments
Development Consent (SSD_6333)	14/09/2015	20/08/2045	Consent for the Oberon Quarry Continuation Project granted by the (then) Minister for Planning.
Environment Protection Licence (No. 4442)	11/01/1994	Renewed Annually	Anniversary date 11 January. Current licence version dated 3 August 2020.
Water Access Licence (WAL) 34279	03/10/2012	Continuing	Fish River Water Source. Share component 2.0ML.
Water Supply Works Approval 80WA716304	04/10/2012	03/10/2025	Applies to WAL 34279.

4. OPERATIONS SUMMARY

4.1 CURRENT REPORTING PERIOD

Table 8 presents the material movements during previous and current reporting periods and provides the anticipated movements during the next reporting period. In accordance with *Condition 9 of Schedule 2 of SSD_6333*, the maximum daily product transport limit of 3 000t was not exceeded during the reporting period. A monthly summary of truck movements and product transported from the Quarry is provided as **Appendix 3**.

Table 8
Production Summary

Material	Approved limit (specify source)	Previous reporting period (actual)	This reporting period (actual)	Next reporting period (forecast)
Saleable Product ¹	400 000tpa (SSD_6333, Condition 8 of Schedule 2)	241 802 tonnes	304 767 tonnes	350 000 tonnes
Note 1: Saleable product volumes represent product transported off site, with estimates based on weighbridge data for the reporting period.				
Source: Oberon Quarries Pty Ltd.				

Consistent with previous years, extraction activities during the current reporting period were undertaken using conventional drill and blast techniques and continued to target resource at multiple locations within the Extraction Area (see **Figure 3**). Resources were targeted at both the northern and southern ends of the Extraction Area during the reporting period in order to extract resources which meet product specifications and optimise resource recovery whilst also accounting for inherent variability of the basalt resource.

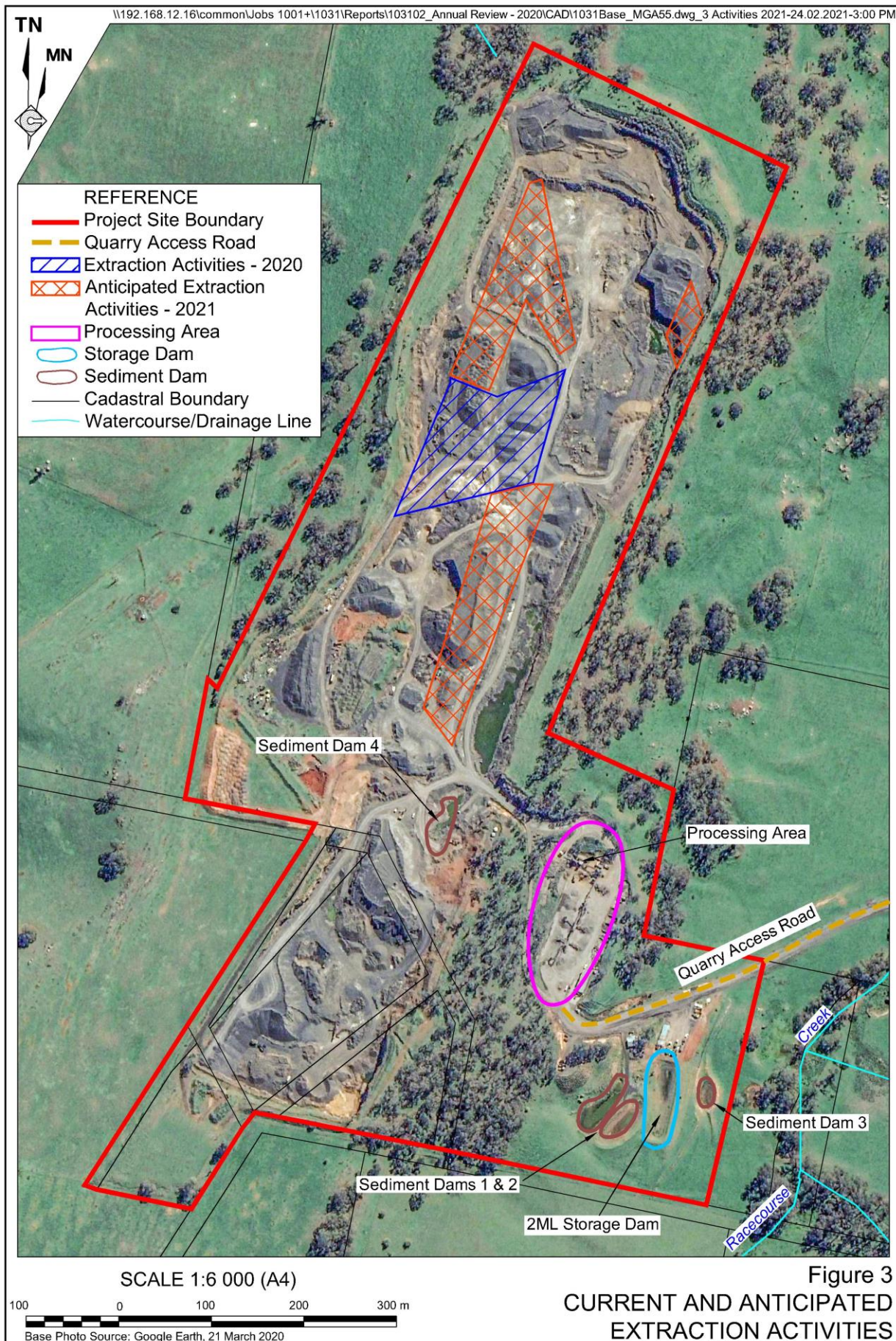
A total of twelve production blasts were initiated during the current reporting period. The results of blast monitoring during the reporting period are discussed in Section 6.4.

During the reporting period, blasted rock was loaded into off-road rear dump trucks using an excavator and transported to the crushing and screening plant within the Processing Area for processing (see **Figure 2**). Product was stockpiled both within product stockpile bays within the Processing Area and on the Quarry floor prior to loading onto road registered trucks for transportation to markets in the Sydney and Central NSW Tablelands areas. As extraction activities during the reporting period did not involve an increase in the surface disturbance footprint of the Extraction Area, no management of overburden or interburden material was required during the reporting period.

No construction, exploration or land preparation activities were undertaken during the current reporting period.

No new equipment or plant upgrades were installed at the Quarry during the current reporting period.

With the exception of weed control through herbicide spraying and regular maintenance of water management structures, no rehabilitation activities were undertaken during the reporting period.



Environmental monitoring activities continued throughout the current reporting period and included noise, blasting, air quality, surface water, groundwater and ecological monitoring. The results of these monitoring programs are summarised in Section 6 and Section 7.

4.2 NEXT REPORTING PERIOD

The activities proposed for the next reporting period will principally involve ongoing blasting, extraction, crushing and screening, stockpiling, product transport, environmental monitoring and maintenance activities. It is anticipated that extraction activities during the next reporting period will be concentrated within the central western portion of the approved Extraction Area (see **Figure 3**).

The Company does not anticipate that any construction, exploration, or land preparation works will be undertaken during the next reporting period.

It is anticipated that opportunities for progressive rehabilitation will remain limited during the next reporting period due to the early stage of development within the Extraction Area. Rehabilitation works during the next reporting period will primarily relate to ongoing maintenance, erosion and sediment control, vegetation establishment and weed management at the Quarry.

5. ACTIONS REQUIRED FROM PREVIOUS ANNUAL REVIEW

The 2019 Annual Review was submitted to the Department of Planning, Industry and Environment (DPIE) via the NSW Planning Portal on 31 March 2020. No feedback was received from DPIE or any other agency regarding the 2019 Annual Review. The Annual Review was therefore considered to have satisfied the requirements of Condition 9 of Schedule 5 of SSD_6333.

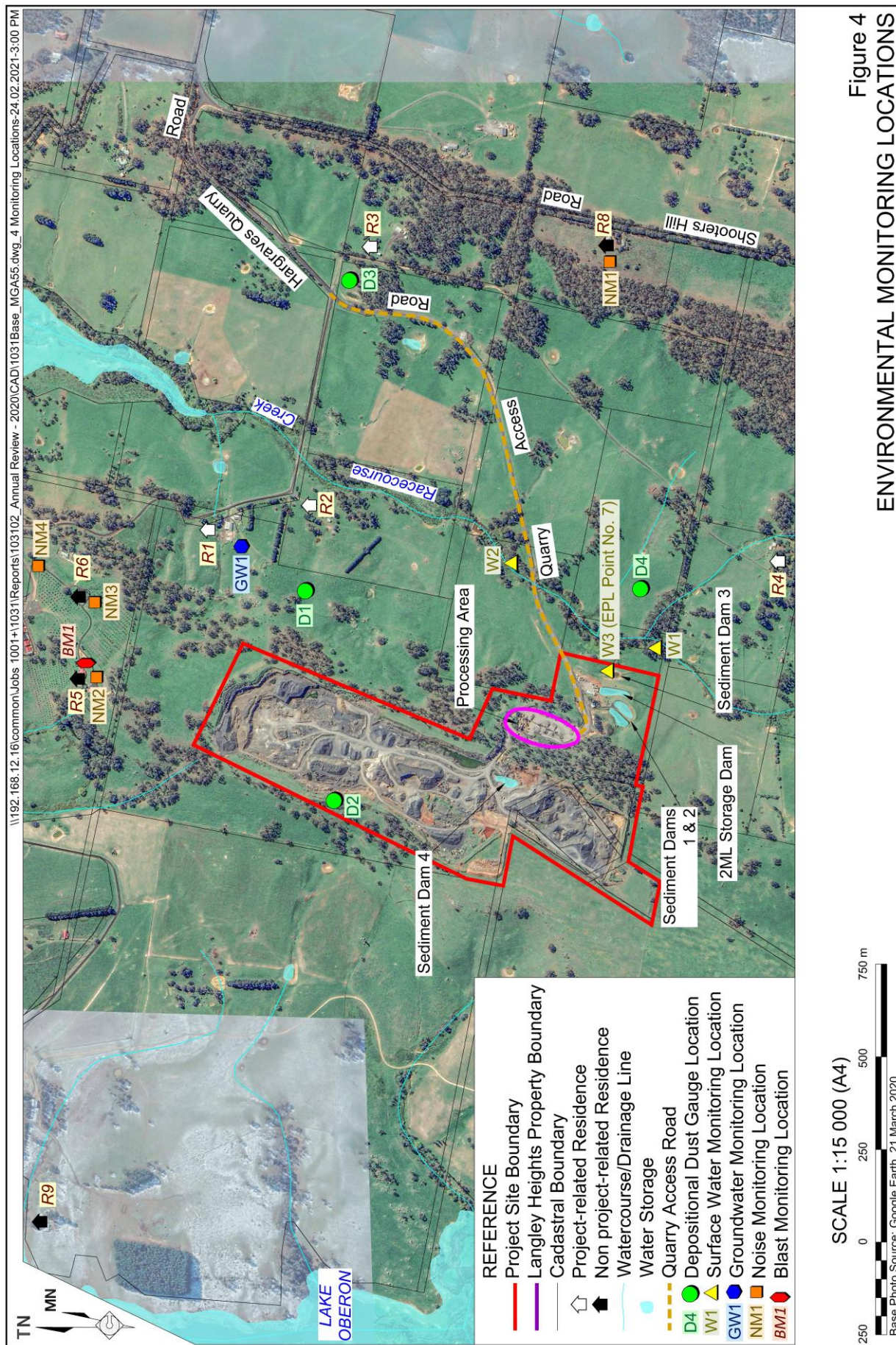
6. ENVIRONMENTAL PERFORMANCE

6.1 SUMMARY OF ENVIRONMENTAL PERFORMANCE

A summary of environmental performance for the principal environmental aspects is provided in **Table 9**. Environmental monitoring locations are shown in **Figure 4**. Further detail regarding specific environmental aspects is also provided in the following subsections.

Table 9
Environmental Performance

Aspect	Approval criteria / EIS prediction	Performance during the reporting period	Trend/key management implications	Implemented/ proposed management actions
Noise	Condition 3 of Schedule 3 of SSD_6333 – approved noise limits range from 35dB(LA _{eq(15 min)}) to 45dB(LA _{1max}).	No complaints.	Implies management measures are currently adequate.	No additional management action required.
Blasting	Condition 6 of Schedule 3 of SSD_6333 - Overpressure 115dB_(linear peak) and max 120dB_(linear peak) - Vibration 5mm/s and max 10mm/s	No complaints. Monitoring demonstrates non-compliance with the lower airblast overpressure criteria (115dB(L)) on two occasions during the reporting period. All twelve blasts were compliant with the upper airblast overpressure criteria (120dB(L)) during the current reporting period.	Implies that existing site blasting laws and/or blasting practices are not suitable in current extraction areas.	Site blasting laws and practices to be reviewed and revised by the blasting contractor.
Air Quality	Condition 10 of Schedule 3 of SSD_6333 - Annual Average - PM₁₀ 30µg/m³ - TSP 90µg/m³ - deposited dust 2g/m²/month (incremental) and 4g/m²/month (cumulative) 24-hour average - PM₁₀ 50µg/m³	No complaints. No exceedance of annual average deposited dust levels.	Implies management measures are currently adequate. No specific management implications as deposited dust results were within relevant criteria.	No additional management action required.
Biodiversity	Condition 24 of Schedule 3 of SSD_6333 requires the preparation and implementation of a Landscape and Rehabilitation Management Plan.	No complaints. Establishment and monitoring of residual vegetation plots to be undertaken between 3 and 5 years prior to the commencement of rehabilitation works (i.e. by 2023 at the earliest).	No specific management implications as progressive rehabilitation opportunities remain limited.	No additional management action required.
Heritage	No specific approval conditions.	No complaints. No heritage items or sites identified or disturbed during the reporting period.	No specific management actions were necessary.	No additional management action required.
Waste	Condition 28 of Schedule 3 of SSD_6333 requires waste minimisation, appropriate management and disposal, and management of sewage in accordance with EPL 4442.	No complaints. Operations were in accordance with identified waste management principles and priorities.	Implies management measures are currently adequate. No specific management implications.	No additional management action required.



6.2 METEOROLOGICAL MONITORING

Meteorological data was obtained from the Bureau of Meteorology's (BOM) Oberon (Albion Street) Weather Station (Station No. 063063) located approximately 4.6km north-northeast of the Quarry. **Figure 5** presents seasonal and annual wind roses for the Quarry whilst **Table 10** provides the monthly temperature and rainfall data for the reporting period.

Table 10
Monthly Rainfall

Year		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Temperature (°C)														
2020	Maximum	29.4	23.8	20.5	16.8	12.3	10.9	11.0	10.2	15.3	18.5	23.0	22.4	17.8
	Minimum	13.8	11.8	9.8	6.0	2.1	1.5	-0.4	-0.6	3.0	6.1	7.3	8.9	5.8
Long Term Average ¹	Maximum	25.1	23.9	21.5	17.3	13.2	9.6	8.8	10.4	13.9	17.3	20.2	23.5	17.1
	Minimum	11.1	11.2	9.1	5.5	2.6	0.9	-0.3	0.4	2.3	4.8	6.9	9.1	5.3
Rainfall (mm)														
2020	Total	32.2	109.8	108.0	90.8	73.2	53.0	53.6	115.8	89.0	95.8	46.8	128.6	996.6
	No. Days of Rain ³	12	15	20	14	23	27	25	26	22	20	13	22	239
	Max Daily Rainfall	6.8	27.8	33.8	32.2	21.4	17.6	27.2	17.2	22.4	33.2	9.2	20.8	-
Long Term Average ²	Total	79.6	61.3	66.1	57.1	59.8	77.9	69.9	74.4	66.9	77.4	70.8	74.5	835.8
	No. of Rain Days ³	6.4	5.9	6.1	5.5	6.4	8.9	8.6	8.5	7.5	7.6	6.8	6.4	84.6
	Max Daily Rainfall	111.7	85.2	122.4	62.2	82.8	90.2	81.1	120	85.3	74.9	64.8	85.9	-
Note 1: Long-term average for period 1946 to 2021.														
Note 2: Long-term average for period 1888-2021.														
Note 3: No. days of rain ≥1mm.														
Source: BOM Oberon (Albion Street) Weather Station (Station No. 063063).														

During the reporting period winds dominated from the west, northwest and southwest during the winter, spring and summer seasonal periods whilst wind dominated from the east during the autumn period.

Total rainfall during the reporting period was 996.6mm, representing a 19% increase in rainfall compared to the long term average.

6.3 NOISE

Environmental Management

Noise at the Quarry is managed in accordance with the approved Noise Management Plan. **Table 11** outlines the nominated noise criteria for the Quarry. Noise monitoring locations associated with the Quarry are shown on **Figure 4**.

In accordance with Condition 3 of Schedule 3 of SSD_6333, noise agreements were established between the Company and landowners (R5, R6 and R8 – see **Figure 4**) to permit exceedance of the noise criteria outlined in **Table 12**. The Secretary was notified of these agreements on 25 January 2017 and the discontinuation of noise monitoring was approved by the Secretary on 2 February 2017. Additionally, the Company owns residences R1, R2, R3 and R4 (see **Figure 4**) and, as such, these are considered to be Project-related residences and noise monitoring is not required.

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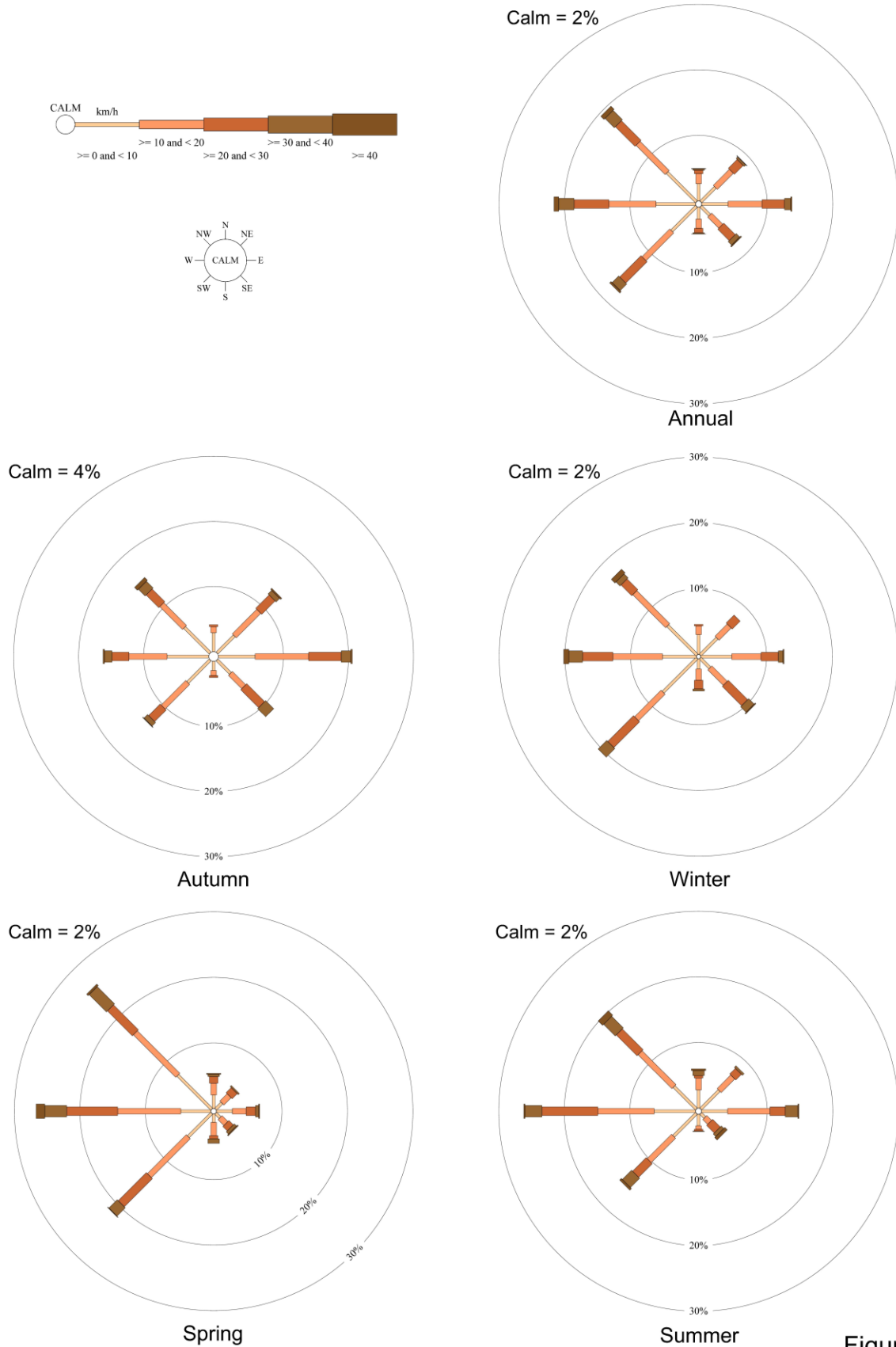


Figure 5
ANNUAL AND SEASONAL
WIND ROSES

Source: Bureau of Meteorology - Station 063063 - 3pm (2 Jan 1965-11 August 2020)

Table 11
Oberon Quarry – Noise Criteria

Receiver	Day ¹ / Evening ²	Night ³	
	dB LA _{eq} (15 min)	dB LA _{eq} (15 min)	dB LA1 _(max)
All Privately-owned Residences	35 ⁴	35	45
Note 1: Day = the period from 7:00am to 6:00pm, Monday to Saturday, and 8:00am to 6:00pm on Sundays and Public Holidays.			
Note 2: Evening = the period from 6:00pm to 10:00pm, all days.			
Note 3: Night = the period 10:00pm to 7:00am, Monday to Saturday, and 10:00pm to 8:00am on Sundays and Public Holidays			
Note 4: A limit of 36 dB LA _{eq} (15 min) is specified under EPL 4442 for the day / evening period.			
Source: Condition 3 of Schedule 3 of SSD_6333			

Table 12
Oberon Quarry – Blasting Criteria

Receiver	Ground Vibration (mm/s)	Airblast Overpressure (dB _(Linear Peak))	Allowable Exceedance
All Privately-owned Residences	10	120	0% of the total number of blasts over a 12-month period.
	5	115	5% of the total number of blasts over a 12-month period.
Source: Condition 6 of Schedule 3 of SSD_6333			

Under the conditions of the Secretary's January 2017 approval, future noise monitoring at the Quarry will be undertaken in the event that either a noise-related complaint cannot be resolved by the Company or a landowner requests that monitoring be undertaken to assess compliance with the relevant noise criteria.

Environmental Performance

No noise-related complaints or landowner requests that noise monitoring be undertaken were received during the reporting period. Consequently, no noise monitoring was undertaken during the reporting period.

Reportable Incidents

No reportable noise incidents were recorded during the reporting period.

Further Improvements

No improvements relating to noise management are planned or considered necessary.

6.4 BLASTING

Environmental Management

Blasting and blast monitoring is undertaken at the Quarry in accordance with the approved Blast Management Plan. **Table 12** outlines the nominated blast impact assessment criteria for the Quarry.

A blasting agreement was established between the Company and the nearest private landowner (R5 and R6 – see **Figure 4**) in April 2018. The (then) Department of Environment and Planning was notified of the agreement on 17 April 2018 (**Appendix 4**). In accordance with Condition 6 of Schedule 3 of SSD_6333, this agreement:

- removes the requirement to monitor each blast event at the Quarry;
- indicates acceptance of blast noise and vibration levels which are ‘higher’ than those outlined under Condition 6 of Schedule 3 of SSD_6333; and
- removes the requirement to advise the landowner and relevant agencies of an exceedance recorded at this location.

The Company continued to undertake blast monitoring at the nearest residence (monitoring location BM1 – see **Figure 4**) to the north of the Quarry during the reporting period.

Environmental Performance

Table 13 and **Figure 6** present the results of production blast monitoring undertaken at the Quarry during the reporting period. In summary, a total of twelve production blasts were undertaken during the reporting period. The lower airblast overpressure criterion (115dB(L)) was exceeded on two occasions during the current reporting period, once on 19 June 2020 (115.2dB(L)) and once on 3 August 2020 (116.3dB(L)).

Table 13
Oberon Quarry – Blast Monitoring Results – 2020

Monitoring Location ¹	Blast Date	Blast Time	Peak Ground Vibration (mm/s)	Peak Airblast Overpressure (dBL)	Compliant with Blasting Criteria	
					115dB(L)	120dB(L)
BM1	10/01/2020	12:11pm	0.171	109.2	Yes	Yes
BM1	10/01/2020	12:14pm	0.102	107.0	Yes	Yes
BM1	24/10/2020	1:02pm	1.140	111.2	Yes	Yes
BM1	10/03/2020	12:17pm	0.818	109.5	Yes	Yes
BM1	19/05/2020	3:07pm	BLD ²	BLD ²	Yes	Yes
BM1	19/06/2020	1:50pm	0.874	115.2	No	Yes
BM1	19/06/2020	1:52pm	0.116	105.5	Yes	Yes
BM1	03/08/2020	1:31pm	0.428	116.3	No	Yes
BM1	27/08/2020	12:21pm	0.707	106.5	Yes	Yes
BM1	06/10/2020	1:03pm	0.485	108.0	Yes	Yes
BM1	13/11/2020	11:59am	0.423	106.0	Yes	Yes
BM1	18/11/2020	12:05pm	0.925	104.2	Yes	Yes
Note 1: See Figure 4 .						
Note 2: BLD - Below limit of detection - blast did not trigger blast monitoring at the monitoring location						
Source: Oberon Quarries Pty Ltd.						

It is noted that, as the Quarry has historically undertaken between three and 12 blasts per 12-month reporting period, a single blast which exceeds the lower airblast overpressure criterion of 115dB(L) will automatically represent an exceedance of the allowable exceedance level (i.e. 5% of the total number of blasts over a 12-month period) specified under Condition 6 of Schedule 3 of SSD_6333.

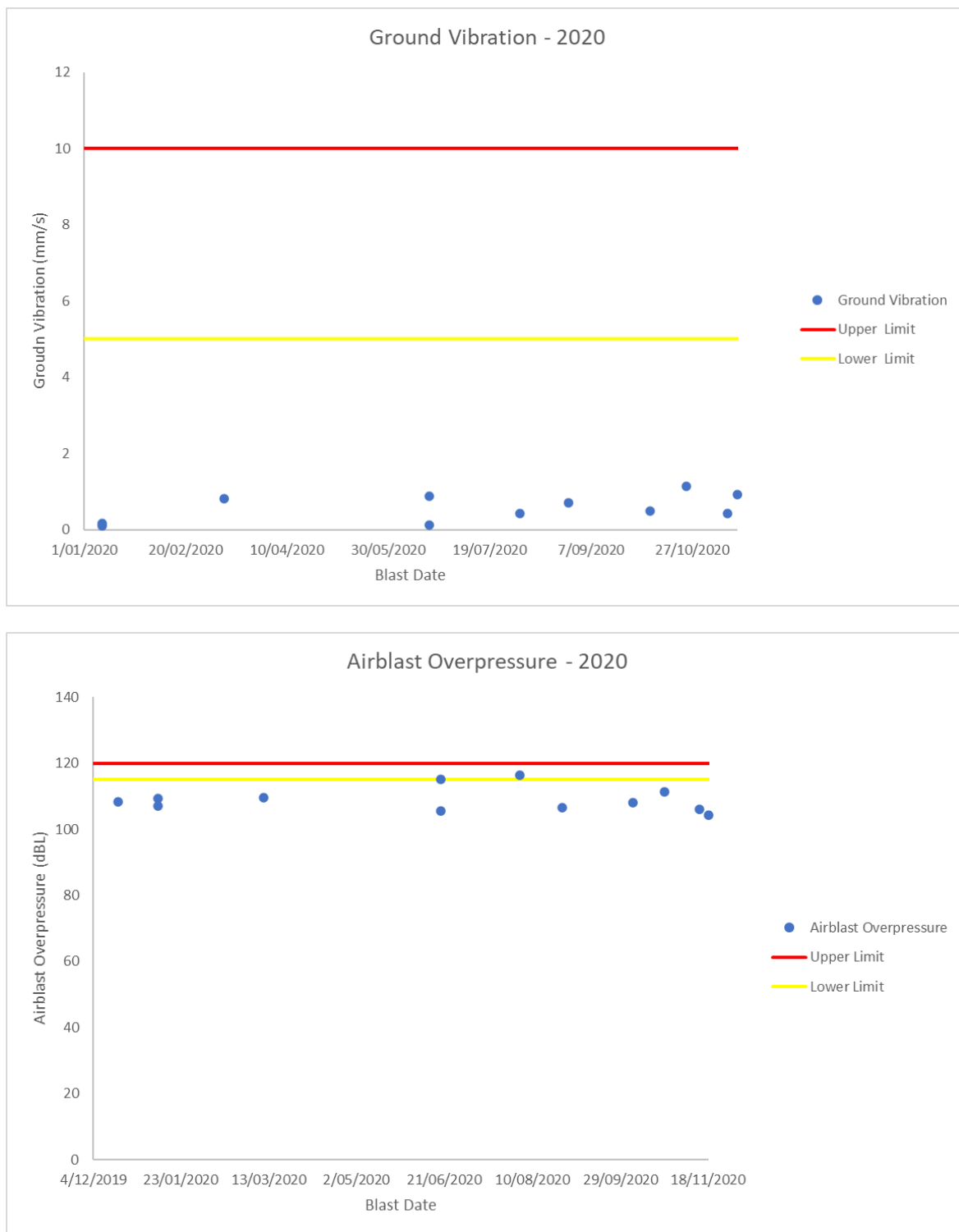


Figure 6 Blast Monitoring Results – 2020

Blast monitoring was undertaken at monitoring location BM1 (see **Figure 4**) during the reporting period. Monitoring location BM1 is located adjacent to residence R5 (approximately 370m north of the Extraction Area) and residence R6 (approximately 470m north-northeast of the Extraction Area). Residences R5 and R6 are subject to an existing blasting agreement with the Quarry which permits exceedances of the blasting criteria outlined under Condition 6 of Schedule 3 of SSD_6333 and removes the requirement for exceedances at this location to be reported.

As blast monitoring was only undertaken at monitoring location BM1 during the reporting period, it cannot be definitively demonstrated that exceedances of the blasting criteria did not occur at other privately-owned residences in the vicinity of the Quarry. However, it is considered very unlikely that the two blasting criteria exceedances recorded at monitoring location BM1 during the reporting period would also have been recorded at other privately-owned residences given that:

- the nearest privately-owned, non-Quarry related residences (R8 and R9) are located a minimum of approximately 1.3km from the Extraction Area boundary (i.e. at least an additional 930m further from the Extraction Area boundary compared to monitoring location BM1); and
- the two recorded exceedances only marginally exceeded the lower airblast overpressure criteria (i.e. by 0.2dB(L) and 1.3dB(L) on 19 June 2020 and 3 August 2020 respectively).

No rock popping blasts were undertaken during the reporting period.

Figure 7 presents the results of blast monitoring undertaken at the Quarry between 2014 and 2020. No blasts undertaken at the Quarry between 2014 and 2020 have exceeded the 5mm/s criteria limit for ground vibration. In addition to the two exceedances recorded during the current reporting period, the lower airblast overpressure criterion of 115dB(L) was exceeded by one blast (117.9dB(L)) on 22 January 2018 and the upper airblast overpressure limit of 120dB(L) was exceeded by one blast (128.8dB(L)) on 19 July 2017.

Reportable Incidents

It is considered very unlikely that exceedances of the lower airblast overpressure criterion (115dB(L)) recorded during the reporting period occurred at any privately-owned, non-Quarry related residences not subject to a blasting agreement in the vicinity of the Quarry. Notwithstanding, the two exceedances recorded at monitoring location BM1 during the reporting period were reported as non-compliances in the Annual Return for EPL 4442 submitted to the EPA for the period 11 January 2020 to 10 January 2021.

Further Improvements

The Company will review the feasibility of undertaking blast monitoring at an alternative location or at additional locations during the next reporting period in order to definitively demonstrate compliance with the relevant blasting criteria at the nearest privately-owned, non-Quarry related residences which are not subject to a blasting agreement (i.e. R8 and R9). Additionally, the blasting contractor will review and, if necessary, revise the blasting site law and blasting practices for the Quarry in order to ensure that no further exceedances of the relevant blasting criteria occur as a result of Quarry operations.



Figure 7 **Blast Monitoring Results – 2014 to 2020**

6.5 AIR QUALITY

Environmental Management

Management of air quality and air quality monitoring is undertaken at the Quarry in accordance with the approved Air Quality Management Plan. The air quality monitoring network includes four depositional dust gauges (D1 to D4) (see **Figure 4**) which measure depositional dust and are collected on a monthly basis. **Table 14** outlines the nominated air quality impact assessment criteria for the Quarry.

Table 14
Oberon Quarry – Air Quality Criteria

Pollutant	Averaging Period	Criterion	
Particulate Matter <10µm (PM ₁₀)	Annual	30µg/m ³ A, D	
Particulate Matter <10µm (PM ₁₀)	24 Hour	50µg/m ³ B	
Total Suspended Particulates (TSP)	Annual	90µg/m ³ A, D	
Deposited Dust ^C	Annual	2g/m ² /month ^B	4g/m ² /month ^{A, D}
Note A: Cumulative impact (i.e. increase in concentrations due to the development plus background concentrations due to all other sources).			
Note B: Incremental impact (i.e. increase in concentrations due to the development alone, with zero allowable exceedances of the criteria over the life of the development).			
Note C: Deposited dust is assessed as insoluble solids in accordance with AS/NZS 3580.10.1:2003: <i>Methods for Sampling and Analysis of Ambient air – Determination of Particulate Matter – Deposited Matter – Gravimetric Method</i> .			
Note D: Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents or any other activity agreed by the Secretary.			
Source: Condition 10 of Schedule 3 of SSD_6333			

In accordance with the approved Air Quality Management Plan, compliance with the relevant TSP and PM₁₀ criteria is assumed and will only be monitored in the event that a complaint regarding TSP or PM₁₀ levels is received at the Quarry.

Environmental Performance

Table 15 presents the results of depositional dust gauge monitoring during the reporting period. In summary, deposited dust levels (total solids) ranged between 0.32g/m²/month (D2 – 3/06/2020 to 3/07/2020) and 3.90g/m²/month (D4 – 3/04/2020 to 1/05/2020) at all monitoring locations during the reporting period. No exceedances of the cumulative deposited dust criterion value (4g/m²/month) were recorded at any monitoring location during the reporting period.

Table 15
Oberon Quarry - Depositional Dust Monitoring Results - 2020

Sample Site	No. Samples Required	No. samples collected and analysed	Minimum Solids ¹ (g/m ² /month)	Maximum Solids ¹ (g/m ² /month)	Annual Average Solids ¹ (g/m ² /month)
D1	12	12	1.03	3.84	2.66
D2	12	12	0.32	3.78	2.05
D3	12	12	0.46	3.73	2.04
D4	12	12	1.23	3.90	2.88
Note 1: Values reported represent total solids (i.e. comprising both soluble and insoluble solids).					
Source: Oberon Quarries Pty Ltd					

Figure 8 depicts the rolling annual average monthly dust deposition rates recorded for each of the four depositional dust gauges during the reporting period. In summary, the rolling annual average monthly dust deposition rates for the reporting period ranged between 1.54g/m²/month (D3) and 3.57g/m²/month (D4), remaining below the cumulative deposited dust criterion value of 4g/m²/month. It is noted that elevated rolling annual average values observed during the first half of the reporting period largely reflect elevated deposited dust levels associated with regional drought conditions and bushfire events during late 2019 and early 2020.

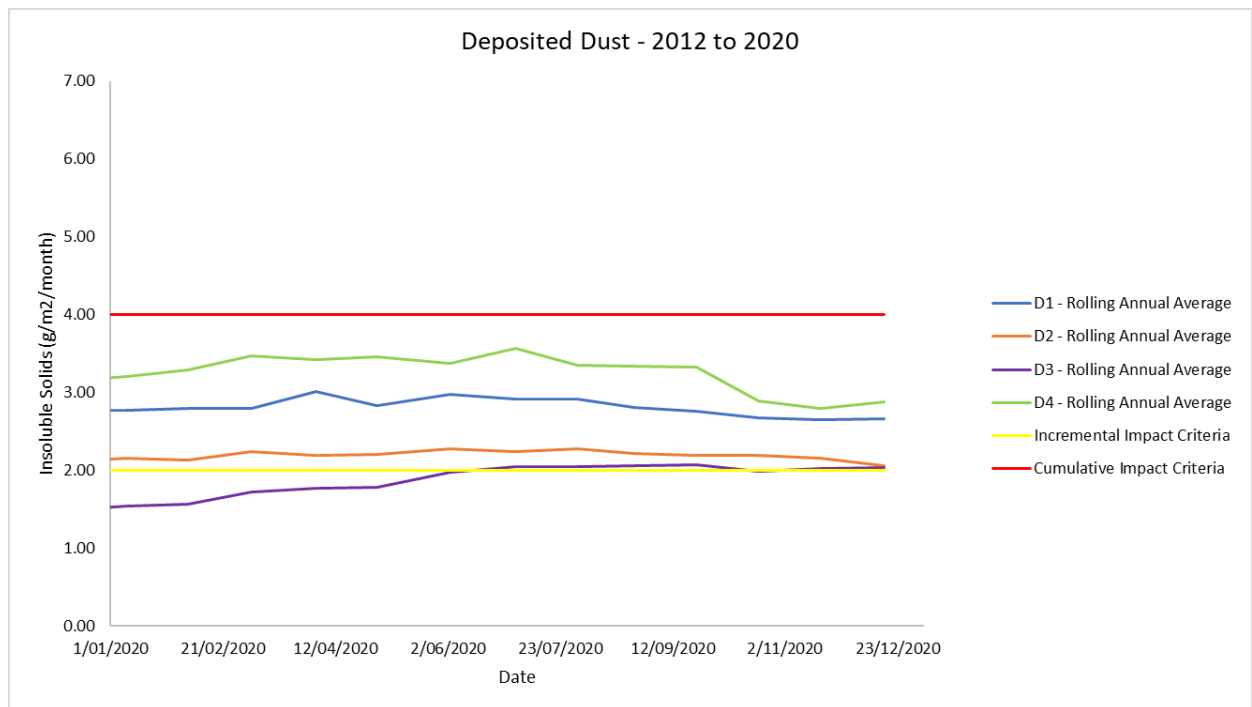


Figure 8 Deposited Dust Monitoring Results – 2020

Figure 9 depicts the annual average monthly dust deposition rates recorded at the Quarry since the commencement of air quality monitoring in 2012. Results recorded during the reporting period indicate an increase in deposited dust levels since mid-2016. As these elevated deposited dust levels have been recorded across all monitoring locations, this likely reflects increases in dust levels associated with regional drought conditions in 2018 and 2019 as well as bushfire events in late 2019 and early 2020.

In addition to the current reporting period, historic rolling annual average deposited dust levels have typically remained below the cumulative impact criteria limit of 4g/m²/month, although one prolonged period of elevated deposited dust levels was recorded at monitoring location D1 between May 2015 and July 2016. This peak was primarily associated with two elevated deposited dust measurements of 19.8g/m²/month and 26.3g/m²/month recorded at monitoring location D1 in May 2015 and September 2015 respectively. These results were attributed to non-Quarry-related activities undertaken in the vicinity of monitoring location D1.

Reportable Incidents

No reportable air quality incidents were recorded during the 2020 Annual Review reporting period.

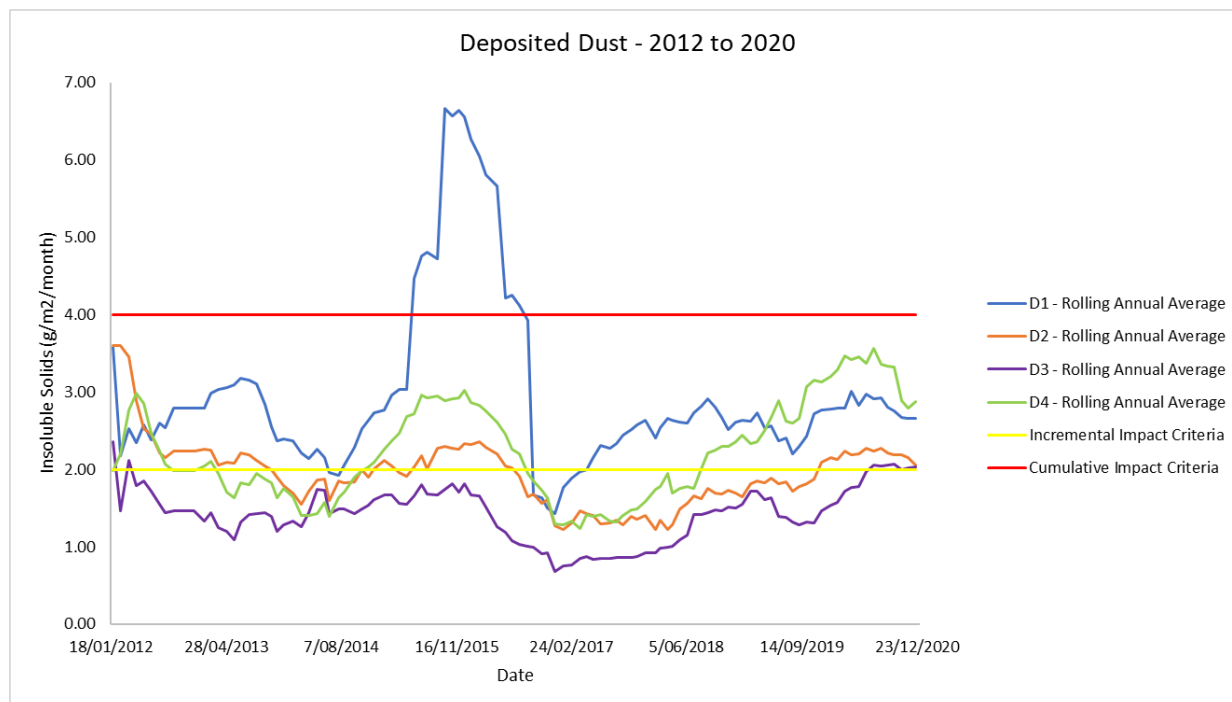


Figure 9 Deposited Dust Monitoring Results – 2012 to 2020

Further Improvements

The Company will conduct a review of the current Air Quality Management Plan (version dated May 2018) and incorporate measures for dust mitigation during adverse meteorological conditions as well as measures targeting the reduction of greenhouse gas emissions.

6.6 BIODIVERSITY

Approval to disturb vegetation occupying the footprint of the Extraction Area was granted under the previous development consent (DA 92/164). The ecological assessment undertaken to support the 2015 *Environmental Impact Statement* for the *Proposed Extended Life of Operations and Development Changes to Oberon Quarry* noted that additional disturbance associated with the expansion of the Extraction Area would result in minor ecological impacts associated with disturbance of approximately 1ha of vegetated land and 0.5ha of cleared land.

As no significant or ongoing impacts on threatened species or ecological communities were predicted, no ecological monitoring is undertaken at the Quarry.

As noted in the approved Landscape and Rehabilitation Management Plan for the Quarry, the commencement of rehabilitation works will only occur following the extraction of the first and second benches and the construction of the final landform. Based on projected extraction rates, it is anticipated that significant rehabilitation works will commence in 2028.

Following advice received from the Quarry's ecology consultant during the preparation of the approved Landscape and Rehabilitation Management Plan, the establishment and monitoring of residual vegetation monitoring plots (i.e. analogue sites) required to assess rehabilitation performance will be undertaken between three and five years prior to the commencement of rehabilitation works (i.e. by 2023 at the earliest).

Reportable Incidents

No reportable biodiversity-related incidents were recorded during the reporting period.

Further Improvements

No improvements relating to biodiversity are currently planned or considered necessary.

6.7 HERITAGE

No activities associated with either Aboriginal heritage or non-Aboriginal heritage were undertaken during the reporting period. No Aboriginal sites or items of heritage significance were encountered at the Quarry during the reporting period.

Reportable Incidents and Further Improvements

No reportable heritage-related incidents were recorded during the 2020 reporting period and no further improvements are currently considered necessary.

6.8 WASTE

The Quarry operates in accordance with the following waste minimisation principles and priorities.

1. Waste avoidance and reduction at the source.
2. Waste re-use.
3. Waste recycling.
4. Waste removal and disposal off site (waste that cannot be re-used or recycled).

The principal waste minimisation measure employed at the Quarry is an emphasis on cleaner production and the segregation, storage and disposal of waste to permit efficient re-use and recycling where possible. Waste generated by on site Quarry personnel is collected in recycling bins and general waste bins before being collected and disposed of at a licenced landfill facility. It is estimated that waste generated by the Quarry and disposed of off site is equivalent to a total of less than 10t per year.

Collection and disposal of industrial waste is undertaken as required. A total of approximately 5t of steel was collected and removed from the site for recycling during the reporting period.

The Quarry has approval to operate a pump out sewage system, with sewage generated on site being directed to the septic system and pumped out by a licensed waste collection and disposal contractor as required.

A review of waste management measures employed at the Quarry, conducted in support of the 2019 Independent Environmental Audit of the Quarry, highlighted the absence of a formal waste minimisation procedure at the Quarry. In response to this, the Company committed to reviewing the feasibility of preparing and implementing a formal waste management plan during the next reporting period. During the reporting period and following this review, it was determined that a formal waste management plan would not represent a significant improvement compared to existing site management practices due to the limited volumes of waste produced at the Quarry.

7. WATER MANAGEMENT

Water management at the Quarry is undertaken in accordance with the approved Water Management Plan (version dated August 2017).

The Extraction Area occupies the northern portion of the basalt plateau known as Racecourse Hill which is elevated approximately 40m above the adjacent Processing Area. This locally elevated position limits the potential catchment area upslope of and adjacent to the Extraction Area. Grassed topsoil bunds surround the perimeter of the Extraction Area and serve to divert any runoff from surrounding areas away from the Extraction Area and other areas of disturbance.

Potentially sediment laden water is captured by a series of catch drains which have been established within the perimeter of disturbed areas at the Quarry. Catch drains are grassed to prevent erosion and include rock weirs at regular intervals to reduce flow velocity and promote sediment capture. Runoff within the Extraction Area is controlled by a combination of low berms, extracted areas and pipes which divert water to Sediment Dam 4 and the Quarry's dirty water management system.

Flow controls have been constructed to ensure that both the Extraction Area and Processing Area act as detention basins during periods of significant rainfall. In total, the water management system has a capacity of approximately 8.15ML with an additional 33.8ML of surcharge capacity provided by the Extraction Area and sediment dams. Once entrained sediment has settled out of suspension in the sediment dams, water is discharged to a 100m grassed level spreader located approximately 120m upslope of and parallel to Racecourse Creek.

7.1 WATER TAKE AND STORAGE

Table 16 lists the capacities of the four water storage areas at the Quarry. The water storage system at the Quarry provides capacity to contain in excess of a 1 in 100-year, 24-hour rainfall event (154mm). Stored water is utilised for dust suppression on site, with an additional two 11kL water tanks providing a contingency water supply during prolonged dry periods. No discharge from Sediment Dam 3 or the 2ML Storage Dam occurred during the reporting period. No discharge from the 2ML storage dam has been recorded over the life of the Quarry.

Table 16
Quarry Water Storages

Water Storage	Storage Volume (ML)	Surcharge Volume (ML)
Sediment Dam 1	0.89	0.80
Sediment Dam 2	0.95	0.80
Sediment Dam 3	0.21	0
Sediment Dam 4 / Extraction Area Floor	4.10	32.00+
Storage Dam	2.00	0.00 – 2.00
Total	8.15	33.60+
Source: Oberon Quarries Pty Ltd – Water Management Plan (version dated August 2017)		

The Company holds WAL 3429 which permits extraction of up to 2ML per year from the Fish River Water Source. No water was extracted under this licence during the reporting period.

7.2 SURFACE WATER

Environmental Management

Monitoring of surface water is undertaken monthly at monitoring locations W1 (Racecourse Creek – Upstream) and W2 (Racecourse Creek – Downstream) and on discharge from monitoring location W3 (EPL Monitoring Point 3) at the discharge pipe from Sediment Dam 3.

Table 17 presents the trigger values for surface water quality monitoring.

Table 17
Surface Water Quality – Trigger Levels

Pollutant	Trigger Level	
	W1 and W2	W3 ¹
pH	>8.5	<6.5 or >8.5
Oil and Grease (mg/L)	>5	>10
Total Suspended Solids ² (mg/L)	-	>50
Electrical Conductivity (µS/cm)	>300	-
Turbidity (NTU)	>450	-
Total Nitrogen ³ (mg/L)	>4.5	-
Total Phosphorous (mg/L)	>5.0	-
Note 1: W3 = EPL Monitoring Point 7.		
Note 2: Monitored as non-filterable residue (NFR).		
Note 3: Total Kjeldahl Nitrogen (TKN).		
Source: EPL 4442 and Oberon Quarried Pty Ltd – Water Management Plan (version dated August 2017)		

In addition to water quality monitoring, the following control measures are employed to ensure an appropriate level of protection to surface water within and surrounding the Quarry.

- Minimal disturbance and progressive rehabilitation as permitted.
- Runoff source separation in order to separate water of differing quality (i.e. clean and potentially sediment laden).
- Collection and storage of potentially sediment laden water for dust suppression and/or settlement prior to discharge.

In addition to these measures, ad hoc. informal inspections of drainage channels and structures were undertaken throughout the reporting period. No stabilisation or remedial works were required.

Environmental Performance

Surface water monitoring locations W1 and W2 were sampled a total of 12 times during the reporting period. **Table 18** provides a summary of water quality monitoring results during the reporting period. In summary, no samples exceeded the relevant trigger levels at either monitoring location during the reporting period. Monitoring location W3 was not sampled during the reporting period as no discharge was planned or occurred.

Figures 10 to 13 presents the historic surface water quality monitoring results for the Quarry. In summary, no exceedances of the relevant trigger levels have been recorded since the commencement of monitoring.



Figure 10 Surface Water Monitoring Results – pH and EC

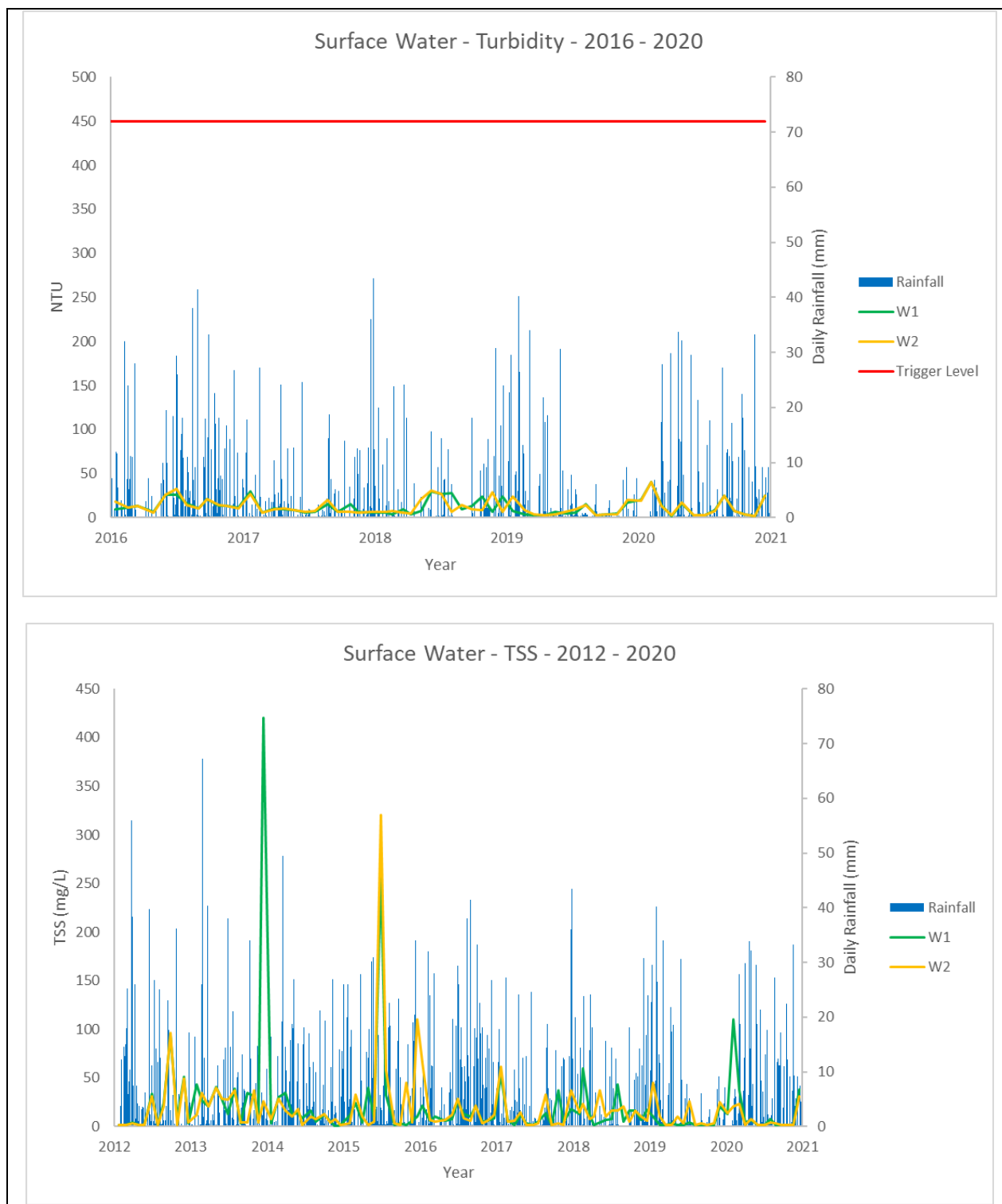


Figure 11 Surface Water Monitoring Results – Turbidity and TSS

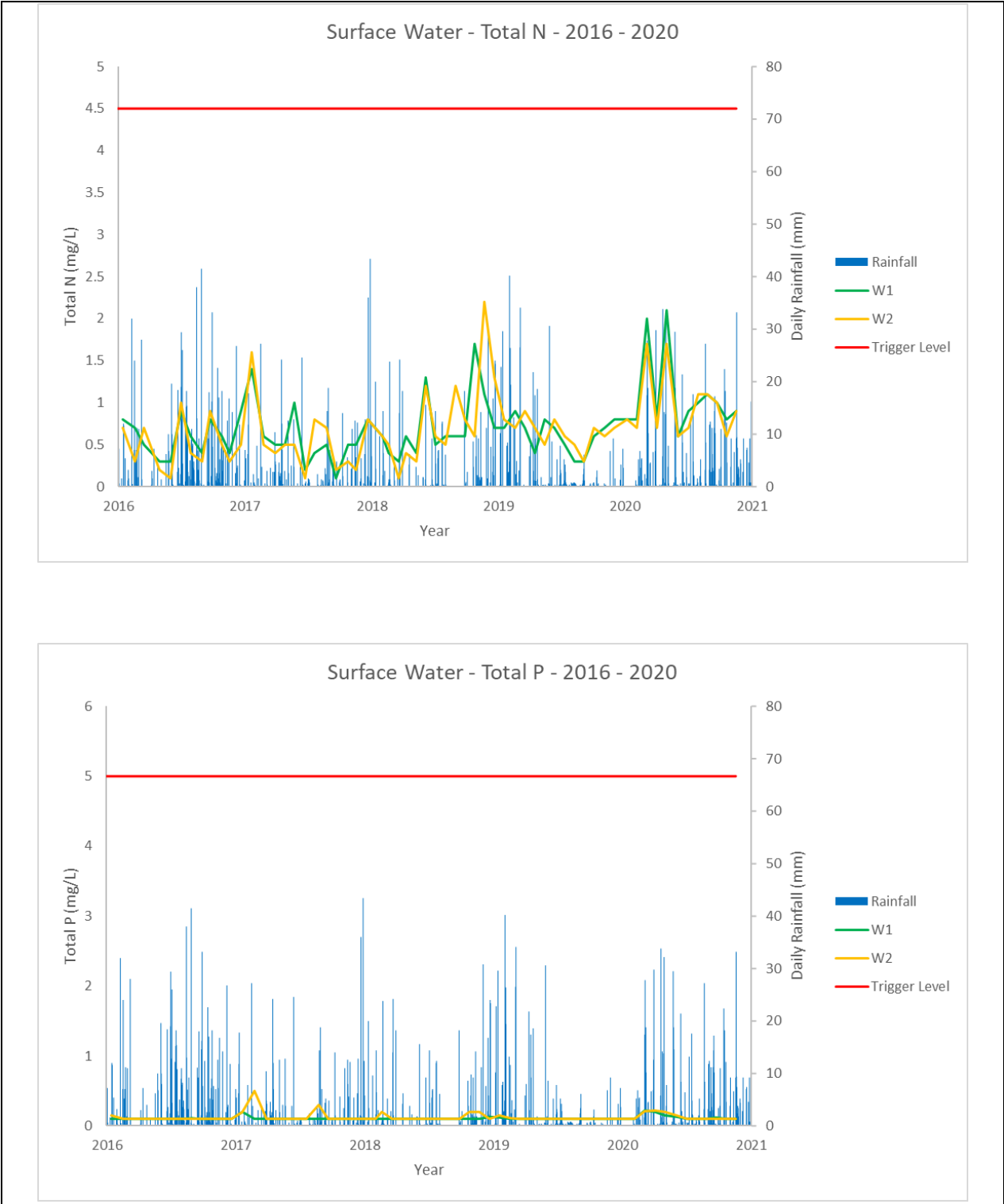


Figure 12 Surface Water Monitoring Results – Total N and Total P

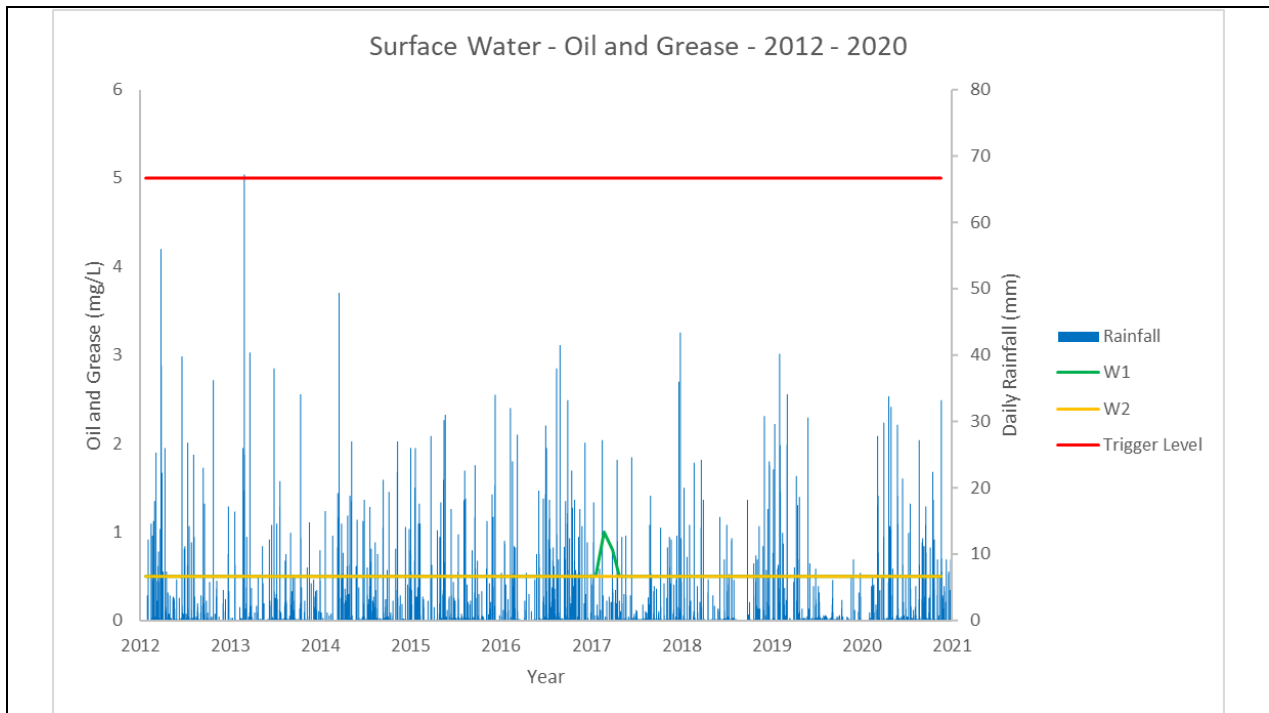


Figure 13 Surface Water Monitoring Results – Oil and Grease

Table 18
Summary^{1, 2} of Surface Water Quality Monitoring Results – 2020

Location	No. Samples	pH	EC (µS/cm)	NTU	TSS (mg/L)	TKN (mg/L)	Total P (mg/L)	Oil and Grease (mg/L)
W1	12	6.8 – 8.0 (7.1)	100 – 290 (152.7)	1.7 – 40 (13.0)	2 – 110 (17.6)	0.6 – 2.3 (1.2)	0.1 – 0.31 (0.1)	0.5 – 0.5 (0.5)
W2	12	6.8 – 7.8 (7.1)	100 – 290 (152.3)	1.4 – 40 (12.9)	2 – 31 (8.9)	0.6 – 2.3 (1.1)	0.1 – 0.26 (0.1)	0.5 – 0.5 (0.5)

Note 1: Values reflect the minimum, maximum and mean (bracketed) values for each parameter during the reporting period.
Note 2: Values have been included as the limit of detection (LOD) value where they were recorded as being below this value.

Source: Oberon Quarries Pty Ltd

pH

Measurements of pH during reporting period ranged between 6.8 and 8.0, with all measurements being below the applicable trigger level (>8.5). Results for W1 (upstream) and W2 (downstream) continued to display little variation between the two locations (**Figure 10**). Results for the reporting period remained within historical levels and have remained relatively stable since 2012 with no significant trend evident.

Electrical Conductivity

Measurements of EC during the reporting period reached a historic high of 290µS/cm (W1 and W2) in January 2020, before dropping to a measurement of 250µS/cm the following month, (equal to the previously recorded maximum for W1 and W2) (**Figure 10**). Whilst these EC

measurements represent the highest values recorded at the Quarry, they remain well below the relevant trigger level of 300µS/cm. These measurements coincide with dry periods experienced at the Quarry during 2019 and early 2020 as a result of regional drought conditions. Less pronounced seasonal trends have previously been identified for EC and it is possible that regional drought conditions have served to enhance seasonal influences during the reporting period.

Turbidity

Turbidity measurements during the reporting period ranged between 1.4 NTU and 40 NTU, with both monitoring locations displaying similar ranges (**Figure 11**). These results are within the historical range recorded at the Quarry since 2016 and remain well below the relevant trigger value of 450 NTU.

Total Suspended Solids

Measurements of TSS during the reporting period ranged between 2mg/L and 110mg/L, with monitoring location W1 recording a higher maximum value (110mg/L) and higher average value (17.6mg/L) compared to upstream location W2 (maximum of 31mg/L and average of 8.9mg/L) (**Figure 11**). As there has been no discharge of sediment laden water from the Quarry, the increase in TSS concentration between these sites is attributed to surrounding, non-Quarry related land uses. All values recorded during the reporting period were consistent with historical ranges recorded since 2012 with no long-term trend evident.

Total Nitrogen

Total nitrogen (Total Kjeldahl Nitrogen or TKN) measurements during the reporting period ranged between 0.6mg/L and 2.3mg/L, with little variability apparent between the two monitoring locations (**Figure 12**). These values remain well below the relevant trigger level of 4.5mg/L, were within historical ranges recorded since 2016 and displayed no significant trend.

Total Phosphorous

Measurements of total phosphorous during the reporting period ranged between 0.1mg/L and 0.31mg/L, with little variability evident between the two monitoring locations (**Figure 12**). These concentrations remained well below the relevant trigger level of 5mg/L and are consistent with relatively stable measurements recorded since 2016.

Oil and Grease

All oil and grease measurements during the reporting period were below the limit of detection value (i.e. <0.5mg/L) (**Figure 13**). These results are consistent with historical values, with measurements in February 2017 (1mg/L) and March 2017 (0.8mg/L) at monitoring location W1 remaining the only times samples have exceeded 0.5mg/L.

Reportable Incidents

No reportable surface water-related incidents were recorded during the reporting period.

Further Improvements

No improvements relating to surface water management are planned or considered necessary.

7.3 GROUNDWATER

Environmental Management

Monitoring of surface water is undertaken monthly at monitoring location GW1 (see **Figure 4**) in accordance with the approved Water Management Plan for the Quarry. Monitoring location GW1 represents a spring fed dam adjacent to the 'Langley Heights' residence (project-related residence R1). The spring fed dam is located on Racecourse Hill downslope of the Quarry within a Tertiary gravel layer situated between the target basalt resource layer and an underlying layer of less pervious granitic material.

As groundwater interception is not anticipated until extraction progresses to the lower bench, groundwater inflows at the Quarry are assessed through observations and visual inspections which note the presence of water within the Extraction Area. Once interception of groundwater occurs, it is anticipated that groundwater inflow will be less than 2ML per year.

Samples collected at GW1 during the reporting period were analysed for pH and EC. **Table 19** presents the trigger values for groundwater quality monitoring.

Table 19
Groundwater Trigger Values

Pollutant	Trigger Value
pH	>9.2
Electrical Conductivity (µS/cm)	>450

Source: Oberon Quarries Pty Ltd – Water Management Plan (version dated August 2017)

Environmental Performance

Groundwater monitoring location GW1 was sampled a total of 10 times during the reporting period, with no samples collected during January 2020 and February 2020 due to the dam being dry during these periods. **Table 20** provides an overview of groundwater quality monitoring results during the reporting period. In summary, no pH or EC measurements exceeded the relevant trigger values during the reporting period. **Figure 14** presents the historic groundwater quality monitoring results for the Quarry.

Table 20
Groundwater Monitoring Results¹ – 2020

Location ²	No. Samples	pH	EC (uS/cm)
GW1	10	6.8 – 7.3 (7.0)	180 – 320 (238)
Note 1: Values reflect the minimum, maximum and mean (bracketed) values for each parameter during the reporting period.			
Note 2: See Figure 4 .			
Source: Oberon Quarries Pty Ltd			

pH

Measurements of groundwater pH ranged between 6.8 and 7.3 during the reporting period (**Figure 14**). However, no values exceeded the relevant trigger level (9.2). Measurements of pH since 2016 indicate a slight trend of increasing pH, although pH measurements during the current reporting period indicate a return to neutral values.

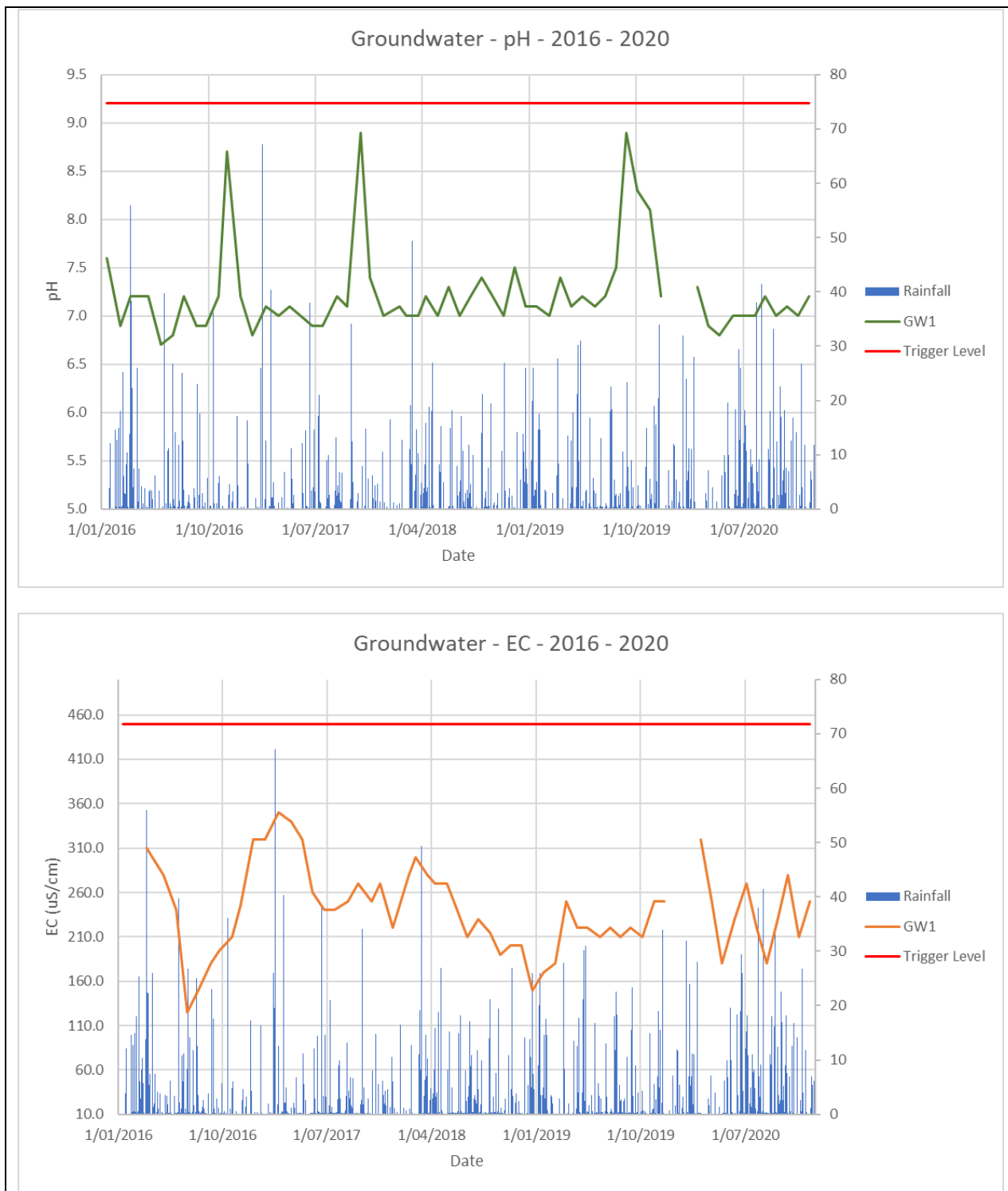


Figure 14 Groundwater Monitoring – 2016 to 2020

Electrical Conductivity

Measurements of groundwater EC ranged between 180µS/cm and 320µS/cm during the reporting period and remained well below the trigger level of 450µS/cm (**Figure 14**). Values recorded during the reporting period remained consistent with historical ranges recorded since 2016, although significant variability between sampling rounds was evident.

Variability in recorded ECD levels is likely attributable to impacts associated with dry conditions experienced during early 2020 followed by significant rainfall events during the reporting period. As with previous groundwater monitoring results, results during the reporting period indicated a decline in groundwater EC following significant rainfall events.

Reportable Incidents

No reportable groundwater-related incidents were recorded during the reporting period.

Further Improvements

No improvements relating to groundwater management are planned or considered necessary.

8. REHABILITATION

8.1 REHABILITATION PERFORMANCE DURING THE REPORTING PERIOD

As noted in Section 4.2 opportunities for progressive rehabilitation at the Quarry will remain limited prior to the completion of extraction activities and the construction of the final landform. Prior to the construction of the final landform, progressive rehabilitation is likely to be limited to temporary rehabilitation activities including interburden / overburden stockpile shaping and the seeding and revegetation of disturbed areas to minimise erosion and dust generation. Additionally, topsoil stockpiles and bunds are seeded to promote temporary stabilisation and minimise soil loss.

Table 21 provides a summary of the rehabilitation status of the Quarry at the end of the reporting period.

Table 21
Rehabilitation Status – 2020

	Previous Reporting Period (Actual)	This Reporting Period (Actual)	Next Reporting Period (Forecast)
Quarry Area Type	2019	2020	2021
Total Quarry Footprint	29.82	29.82	29.82
Total Active Disturbance	29.82	29.82	29.82
Land Being Prepared for Rehabilitation	0	0	0
Land Under Active Rehabilitation	0	0	0
Completed Rehabilitation	0	0	0
Note: Units = ha			
Source: Oberon Quarries Pty Ltd.			

Rehabilitation activities during the reporting period included weed control using herbicides around the perimeter of the Extraction Area as well as the maintenance of water management structures and removal of sediment trapped by rock weirs.

The total active disturbance area (29.82ha) remained unchanged compared to the previous reporting period. Furthermore, no additional disturbance is expected to occur during the next reporting period as extraction operations are expected to remain within the existing active Extraction Area footprint (**Figure 3**).

Rehabilitation during the reporting period was undertaken in accordance with the approved Landscape and Rehabilitation Management Plan for the Quarry and there were no variations to rehabilitation activities outlined in this plan during the reporting period.

No buildings were structurally altered, renovated or removed during the reporting period. Maintenance activities included scheduled equipment maintenance and maintenance of boundary fences as required.

No rehabilitation trials or research was undertaken during the reporting period.

There are currently no specific issues affecting the Company's ability to successfully rehabilitate the Quarry site and therefore no additional specific management measures are required. No rehabilitation areas became available for formal sign off and no final land use objectives were met during the reporting period.

As outlined in the approved Landscape and Rehabilitation Management Plan for the Quarry, it is currently anticipated that native vegetation and ecosystems will be established within the Extraction Area and surface infrastructure areas following the completion of rehabilitation activities at the Quarry. Additional land will be returned to grazing land uses in accordance with the landowner's requirements, consistent with surrounding land uses. A detailed Quarry Closure Plan will be prepared approximately 3 years prior to closure. Prior to the finalisation of this plan, the Company will review relevant local and regional land use strategies and will consult with relevant stakeholders including Oberon Council and DPIE with regards to the suitability of the final land use outlined in the Landscape and Rehabilitation Management Plan.

8.2 ACTIONS FOR THE NEXT REPORTING PERIOD

It is anticipated that opportunities for progressive rehabilitation will remain limited during the next reporting period and that rehabilitation activities will be limited to ongoing weed control and maintenance of water management structures.

9. COMMUNITY

9.1 COMMUNITY CONSULTATION

Consultation was undertaken by the Company with Oberon Council, the NSW Environment Protection Authority and surrounding landholders during the reporting period. Blasting notifications continued to be provided to surrounding landholders prior to each blasting event.

The Company contributed donations and sponsorships to the following organisations during the reporting period.

- Oberon Tigers Rugby League Club
- Oberon Agricultural Show
- Bathurst Harness Club
- Hawkesbury District Agricultural Association

9.2 COMMUNITY COMPLAINTS

The Quarry's complaints handling, and dispute resolution procedures are outlined in the approved Environmental Management Strategy for the Quarry. A community enquiries and complaints line ((02) 6336 0259) is also operated during Quarry operating hours.

Table 22 provides a summary of all complaints received at the Quarry since 2015. A copy of the complaints register maintained for the Quarry and the Company's response to the complaint received during the reporting period are presented as **Appendix 5**.

Table 22
Complaints Register Summary

Year	Nature of the Complaint	Actions Taken and Follow-up to the Complaint
2015	No complaints received.	
2016	No complaints received.	
2017	No complaints received.	
2018	Noise x 1	Noise complaint received via DPE in October 2018. Correspondence regarding the matter raised was provided to DPE. No further actions were requested or undertaken.
2019	Transport x 1	Complaint regarding truck movements within Oberon township received via Oberon Council in June 2019. A response regarding the matter raised was provided to Oberon Council. No further actions were requested or undertaken.
2020	Noise x 1	Noise complaint received via DPIE on 18 September 2020 regarding excessive noise (engine brake use) from trucks entering and exiting the Quarry Site and noise associated with trucks entering and exiting the site prior to 6:00am. A response regarding this matter was provided to DPIE on 24 November 2020. DPIE held further discussions with the complainant on 8 December 2020 and the complainant noted that excessive truck noise, primarily associated with the use of engine brakes, was still occurring. A warning letter was received from DPIE on 21 December 2020. No further complaints have been received to date regarding this matter.

Source: Oberon Quarries Pty Ltd

One complaint was received at the Quarry via DPIE during the reporting period. The complainant contacted DPIE on 18 September 2020 and noted that:

- excessive noise was being generated by trucks entering and exiting the Quarry Site; and
- excessive noise was being generated by truck entering and exiting the Quarry Site prior to 6:00am.

In response to this complaint, DPIE undertook surveillance of truck movement operations at the Quarry Site entrance between 5:15am and 7:00am on 15 October 2020. Following the completion of surveillance, DPIE indicated that noise associated with heavy vehicle movements (e.g. the use of engine brakes) was excessive at times, particularly when trucks were entering the Quarry Site.

A request for information was received from DPIE on 3 November 2020 and the Company provided a response to this request on 24 November 2020 (**Appendix 5**). A summary of this response is provided below.

Truck entry to the Quarry Site is controlled by locked gates which are locked each day and opened at 5:30am. Under Condition 1 of Schedule 3 of SSD 6333, it is noted that the approved operating hours for the Quarry (see Section 2.2.2) indicate that loading and despatch operations are restricted to between 6:00am and 10:00pm, Monday to Friday, and between 6:00am and 5:00pm on Saturdays. Condition 1 also notes that *“the Applicant may carry out other activities e.g. maintenance, on the site provided that these activities are conducted in a manner that is inaudible at all privately-owned residences.”* Condition 18 of Schedule 3 of SSD 6333 further requires that *“(e) no trucks queue at the entrance to the site before 6 am.”*

Trucks are therefore permitted to enter and exit the Quarry Site prior to 6:00am provided that:

- trucks are not loaded with product and/or despatched prior to 6:00am;
- activities are inaudible at all privately-owned residences; and
- trucks do not queue at the Quarry Site entrance prior to 6:00am.

The Trucks are not loaded at the Quarry prior to 6:00am and despatch is restricted until after 6:00am as weighbridge dockets are not issued and laden truck movements are not authorised by the Allocator or Quarry Manager until this time.

Truck departure times are recorded at the weighbridge via a weighbridge docket, with the Allocator responsible for issuing weighbridge dockets and the Quarry Manager responsible for controlling gate access. Weighbridge dockets are retained as a detailed record of truck movements and a summary of truck movements is published on the Company’s website every six months as required under Condition 17 of Schedule 3 of SSD 6333. At the time of DPIE’s request for information, truck movement summary data available on the Company’s website had not been updated since December 2019. This data was subsequently updated and now extends to December 2020.

Training and education of truck drivers regarding transport-related conditions of SSD 6333 and requirements outlined in the Quarry’s Transport Management Plan and Drivers’ Code of Conduct is conducted during initial induction at the Quarry. Given that entry to the Quarry Site is physically controlled, no previous complaints regarding truck movement times or truck noise

have been received at the Quarry, and the disciplinary measures outlined below, the Company considers this level of training to be adequate. In the event that truck drivers breach the requirements outlined in either the Transport management plan or Drivers' Code of Conduct, the following actions are undertaken in accordance with disciplinary measures outlined under the Drivers' Code of Conduct.

- First instance – the Driver will receive a verbal warning, including a verbal notification to the Driver's employer.
- Second instance – the Driver will receive a written warning, including a written notification to the Driver's employer.
- Third instance – the Driver will be banned from site and a review of the Driver's employer's contract/agreement with the company will be undertaken.

The Company conducted an investigation into the complaint received via DPIE. An investigation into a cattle grid located on Hargraves Quarry Road (i.e. the Quarry Access Road) using a handheld noise monitor indicated that the cattle grid did not generate significant noise when used by light or heavy vehicles. A further investigation using a handheld noise monitor into a Council-owned cattle grid located on Harveys Road (not utilised as a delivery route or access track by Quarry-related vehicles) identified significant noise when used by light vehicles. The Company undertook repairs to the Council-owned cattle grid to address the source of noise which was believed to have resulted in the original noise complaint received by DPIE.

Minor queuing of trucks at the Quarry Site entrance prior to 6:00am was confirmed to have occurred as a result of disruptions to transportation schedules and plans as a consequence of restrictions due to COVID-19 during the reporting period. No queuing has been observed since the removal of restrictions associated with COVID-19. The absence of some details from weighbridge docket records has been attributed to errors which occurred as a result of health issues experienced by the Allocator during the reporting period and attempts by other Quarry personnel and truck drivers to provide assistance by completing these records.

An investigation into truck movement records concluded that no laden trucks had entered or exited the Quarry site outside of the approved operating hours. Trucks observed entering and exiting the Quarry Site outside of approved operating hours were not laden and had been hired out to the Downer Group for use on construction projects unrelated to Quarry operations.

The Company contacted all adjoining property owners following this incident and no concerns or additional issues were raised by adjoining property owners. No further complaints were received during the reporting period.

10. INDEPENDENT AUDIT

The last independent environmental audit of the Quarry was undertaken during the previous reporting period in accordance with Condition 10 of Schedule 5 of SDD_6333. The audit report was submitted to the DPIE via the NSW Major Project Portal and covered the period from 1 January 2017 to 30 November 2019. A copy of the audit, together with the Company's response, is provided in **Appendix 1**.

The audit identified a total of 22 non-compliances with 17 conditions of SSD_6333, three non-compliances with the Statement of Commitments (Appendix 2 of SSD_6333) and eight non-compliances with the conditions of EPL 4442. **Table 23** presents a summary of the audit findings and recommendations and provides an updated on the current status of the Company's responses to the audit recommendations.

The next independent environmental audit for the Quarry is due to be undertaken in December 2022 and will cover the period from 1 December 2019 to 30 November 2022.

Table 23
Response to Independent Environmental Audit Recommendations

Page 1 of 15

Issue No. ¹	Project Approval Condition	Requirement	Audit Finding	Recommendation	Status
Identified Administrative Non-Compliance					
A-01	Section 2 Condition 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.	See the status of each recommendation below.
A-02	Section 2 Condition 6	The Applicant shall not extract extractive materials below a level of 1 125 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.	The Company confirms that it has not extracted below the level of 1 125m. An additional survey will be undertaken following any extraction below the current maximum extraction depth.
A-03	Section 2 Condition 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.	The survey plan was produced by Central West Surveying depicting boundaries and depth and submitted by 30 November 2015. The Company will review communication records to identify evidence of survey submission. The survey will be re-submitted to DPIE in the event that evidence of submission cannot be identified during the next reporting period.





Table 23 (Cont'd)
Response to Independent Environmental Audit Recommendations

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Issue No. ¹	Project Approval Condition	Requirement	Audit Finding	Recommendation	Status
Identified Administrative Non-Compliance (Cont'd)					
A-05	Section 3 Condition 11	The Proponent shall: (c) minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see noted under Table 4);	No procedure has been developed (and documented in the AQMP) to minimise dust impacts during adverse meteorological (and other) conditions.	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.	The AQMP will be revised during the next reporting period to include measures targeting adverse meteorological conditions and extraordinary events.
A-06	Section 3 Condition 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.	The Company will revise the AQMP during the next reporting period to include procedures and/or controls for the minimisation of greenhouse gas emissions.
A-07	Section 3 Condition 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 plan and relevant conditions of this consent	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.	No action required as the Bond is now in place.	The Company met the bond requirements on 27 July 2018. No further action required.

Table 23 (Cont'd)
Response to Independent Environmental Audit Recommendations

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Issue No. ¹	Project Approval Condition	Requirement	Audit Finding	Recommendation	Status
Identified Administrative Non-Compliance (Cont'd)					
A-08	Section 4 Condition 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.	No further action required.
A-09	Section 5 Condition 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 EP&A Regulation.	Refer to Non-Compliances listed above.	Refer to specific recommendations above.	See responses in this table. Quarry-related risks to be managed on an ongoing basis for the remaining life of the Quarry.
A-10	Section 5 Condition 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.	Future Annual Reviews will be provided by the end of March each year. No further action required.





Table 23 (Cont'd)
Response to Independent Environmental Audit Recommendations

Issue No. ¹	Project Approval Condition	Requirement	Audit Finding	Recommendation	Status
Identified Administrative Non-Compliance (Cont'd)					
A-11	Section 5 Condition 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;	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.	Upload the 2018 versions of the EMS and Plans onto the website.	All current versions of the management plans and strategies are now available on the Company's website. Future revisions to management plans and strategies will be uploaded to the Company's website once approved. No further action required.
A-12	Statement of commitments NO.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 minimise greenhouse gas emissions and document that procedure in the AQMP.	The Company will revise the AQMP during the next reporting period to include procedures and/or controls for the minimisation of greenhouse gas emissions.

Table 23 (Cont'd)
Response to Independent Environmental Audit Recommendations

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Issue No. ¹	Project Approval Condition	Requirement	Audit Finding	Recommendation	Status
Identified Administrative Non-Compliance (Cont'd)					
A-13	EPL 4442 M1.3	The following records must be kept in respect of any samples required to be collected for the purposes of this license: 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.	Full details of any samples required to be collected will be maintained by the Company. Contractors will be instructed to include all required details in monitoring results provided to the Company. Future monitoring results details will be confirmed on an ongoing basis for the remaining life of the Quarry.
A-14	EPL 4442 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.	The Company has established a detailed complaints register. Future complaints, including all required details, will be recorded in the complaints register. Complete. No further action required.





Table 23 (Cont'd)
Response to Independent Environmental Audit Recommendations

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Issue No. ¹	Project Approval Condition	Requirement	Audit Finding	Recommendation	Status
Identified Administrative Non-Compliance (Cont'd)					
A-15	EPL 4442 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.	The Company has established a detailed complaints register. Future complaints, including all required details, will be recorded in the complaints register. Complete. No further action required.
A-16	EPL 4442 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 license 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.	All future Annual Returns will be submitted within the required timeframe. No further action required.
Identified Non-Compliance					
N-01	Section 3 Condition 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.	In accordance with Condition 3 of Schedule 3 of SSD_6333, noise agreements were established between the Company and landowners (R5, R6 and R8 – see Figure 4) to permit exceedance of established noise criteria. The Secretary was notified of these agreements on 25 January 2017 and the discontinuation of noise

Table 23 (Cont'd)
Response to Independent Environmental Audit Recommendations

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Issue No. ¹	Project Approval Condition	Requirement	Audit Finding	Recommendation	Status
Identified Non-Compliance (Cont'd)					
N-01 (Cont'd)	Section 3 Condition 4 (Cont'd)				monitoring was approved by the Secretary on 2 February 2017 (see Appendix 3 of the Noise Management Plan). Under the conditions of the Secretary's January 2017 approval, future noise monitoring at the Quarry will be undertaken in the event that either a noise-related complaint cannot be resolved by the Company or a landowner requests that monitoring be undertaken to assess compliance with the relevant noise criteria. No further action required.
N-02	Section 3 Condition 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, an assessment of monitoring data has not been undertaken.	Re-establish quarterly noise monitoring and assessment of the noise monitoring results.	As above. No further action required.
N-03	Section 3 Condition 6	The Proponent shall ensure that blasting on the site does not cause exceedances of the criteria in Table 3. a) Air blast Over Pressure - 120 dB(Lin Peak) / 115 120 dB(Lin Peak) 5% of the total number of blasts per year	Seven production blasts were undertaken in the 2017 calendar year. One exceedance in blast over pressure was recorded. Five production blasts were undertaken during the 2018 Calendar Year. One blast	1. Review the blasting procedures to determine the causes of the exceedances and modify the blasting procedures as necessary.	Site blasting laws and practices will be reviewed and, if necessary, revised by the blasting contractor during the next reporting period. If required, the Blast Management Plan will also be





Table 23 (Cont'd)
Response to Independent Environmental Audit Recommendations

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Issue No. ¹	Project Approval Condition	Requirement	Audit Finding	Recommendation	Status
Identified Non-Compliance (Cont'd)					
N-03 (Cont'd)	Section 3 Condition 6 (Cont'd)	b) Ground Vibration 10 mm/s / 5 mms/s 5% of the total number of blasts per year	(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).		revised during the next reporting period.
N-04	Section 3 Condition 10	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.	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. Dust deposition testing over the Audit Period: no exceedances were detected in 2019 (year to date), 2018 or 2017.	Expand the air quality monitoring program to include TSP and Particulate Matter monitoring.	In accordance with the approved Air Quality Management Plan, compliance with the relevant TSP and PM ₁₀ criteria is assumed and will only be monitored in the event that a complaint regarding TSP or PM ₁₀ levels is received at the Quarry. No further action is required.
N-05	Section 3 Condition 11	The Proponent shall: (a) implement best practice management to minimise the dust emissions of the development;	The AQMP details the controls to be implemented. All controls except the use of the wheel wash are able to be implemented. There appears to be no provision dust control in pit stockpiles.	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.	The truck wheel wash was recommissioned during the reporting period. Stockpiles are located within the Extraction Area and are therefore largely shielded from strong winds. Dust suppression through the application of water will be undertaken on stockpiles where required. Complete. No further action required.

Table 23 (Cont'd)
Response to Independent Environmental Audit Recommendations

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Issue No. ¹	Project Approval Condition	Requirement	Audit Finding	Recommendation	Status
Identified Non-Compliance (Cont'd)					
N-06	Section 3 Condition 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: – 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.	In accordance with the approved Air Quality Management Plan, compliance with the relevant TSP and PM₁₀ criteria is assumed and will only be monitored in the event that a complaint regarding TSP or PM₁₀ levels is received at the Quarry. No further action is required.
N-07	Section 3 Condition 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.	See responses in this table.





Table 23 (Cont'd)
Response to Independent Environmental Audit Recommendations

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Issue No. ¹	Project Approval Condition	Requirement	Audit Finding	Recommendation	Status
Identified Non-Compliance (Cont'd)					
N-08	Section 3 Condition 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 are 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.	Recommission the truck wheel wash.	The truck wheel wash was recommissioned during the reporting period. Complete. No further action required.
N-09	Section 3 Condition 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:	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.	Ensure that all measures detailed in the LRMP are implemented in accordance with the Plan.	The Company contends that weeds have been actively monitored and sprayed by a contractor (Eurogreen) in accordance with the requirements outlined in the Landscape and Rehabilitation Management Plan. These measures will continue to be undertaken throughout the remaining life of the Quarry. In accordance with advice provided by an ecologist, the establishment and monitoring of residual vegetation plots is to be undertaken between 3 and 5 years prior to the commencement of rehabilitation works (i.e. by 2023 at the earliest). No further actions required.

Table 23 (Cont'd)
Response to Independent Environmental Audit Recommendations

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Issue No. ¹	Project Approval Condition	Requirement	Audit Finding	Recommendation	Status
Identified Non-Compliance (Cont'd)					
N-10	Section 3 Condition 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:	Section 7 of the Landscape and Rehabilitation Management Plan describes the landscape monitoring that will be undertaken to measure progress and performance. 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.	Implement the preliminary survey and monitoring of residual vegetation sites.	As above. No further action required.
N-11	Section 3 Condition 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.	It was determined that a formal waste management plan would not represent a significant improvement compared to existing site management practices due to the limited volumes of waste produced at the Quarry. The Company will review waste generation and opportunities for waste minimisation at the Quarry on an ongoing basis throughout the remaining life of the Quarry. No further action required.





Table 23 (Cont'd)
Response to Independent Environmental Audit Recommendations

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Issue No. ¹	Project Approval Condition	Requirement	Audit Finding	Recommendation	Status
Identified Non-Compliance (Cont'd)					
N-12	Section 3 condition 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.	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.	Waste batteries, oils and unusable equipment and parts were collected and disposed of by an appropriately licenced contractor. Used batteries will be stored in an appropriately roofed and bunded area moving forward. Complete. No further action required.
N-13	Statement of commitments NO.5	Oberon Quarries has committed to implementing the following dust management and mitigation practices: • mist sprays on conveyors discharging to product stockpiles; • undertaking preventative maintenance on all dust suppression plant and equipment;	The AQMP details the controls to be implemented. All controls except the use of the wheel wash are able to be implemented. There appears to be no provision dust control in pit stockpiles.	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.	The truck wheel wash was recommissioned during the reporting period. Stockpiles are located within the Extraction Area and are therefore largely shielded from strong winds. Dust suppression through the application of water will be undertaken on stockpiles where required. Complete. No further action required.

Table 23 (Cont'd)
Response to Independent Environmental Audit Recommendations

Page 13 of 15

Issue No. ¹	Project Approval Condition	Requirement	Audit Finding	Recommendation	Status
Identified Non-Compliance (Cont'd)					
N-13 (Cont'd)	Statement of commitments NO.5 (Cont'd)	truck wheel wash facility will be maintained to be fully functional;			
N-14	Statement of commitments NO.10	To ensure the archaeological impacts of the quarry are minimised, Oberon Quarries has committed to implementing the following management and mitigation measures: - 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; - in the event that an Aboriginal object (or objects) is uncovered during the proposed works, ground disturbance works will cease within 20 meters of the object(s) and OEHS and the relevant Aboriginal parties will be contacted so that appropriate management strategies can be identified;	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. There is no "unexpected finds procedure" or training that informs employees or contractors of what to do if a suspected heritage artefact is found.	Develop training materials to cover Heritage issues and undertake that training for staff and any contractors involved in vegetation clearing or excavation work.	Relevant requirements under Section 86 of the NPW Act 1974 and requirements regarding the discovery of Aboriginal objects or human remains are detailed during the Quarry's formal induction program. Requirements surrounding heritage matters will be revised during the next reporting period and each subsequent reporting period) during Toolbox meetings and training sessions.





Table 23 (Cont'd)
Response to Independent Environmental Audit Recommendations

Page 14 of 15

Issue No. ¹	Project Approval Condition	Requirement	Audit Finding	Recommendation	Status
Identified Non-Compliance (Cont'd)					
N-15	EPL 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 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 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.	Site blasting laws and practices will be reviewed and, if necessary, revised by the blasting contractor during the next reporting period. If required, the Blast Management Plan will also be revised during the next reporting period.
N-16	EPL 4442 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.	As above.

Table 23 (Cont'd)
Response to Independent Environmental Audit Recommendations

Page 15 of 15

Issue No. ¹	Project Approval Condition	Requirement	Audit Finding	Recommendation	Status
Identified Non-Compliance (Cont'd)					
N-17	EPL 4442 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.	Waste batteries, oils and unusable equipment and parts were collected and disposed of by an appropriately licenced contractor. Used batteries will be stored in an appropriately roofed and bunded area moving forward. Complete. No further action required.
N-18	EPL 4442 O3.0	Licensed activities must be carried out in a competent manner. This includes: The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.	The AQMP details the controls to be implemented. All controls except the use of the wheel wash are able to be implemented. There appears to be no provision dust control in pit stockpiles.	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.	The truck wheel wash was recommissioned during the reporting period. Stockpiles are located within the Extraction Area and are therefore largely shielded from strong winds. Dust suppression through the application of water will be undertaken on stockpiles where required. Complete. No further action required.
Source: adapted from Table 1 of Oberon Quarries Pty Ltd response to Barnett & May (2020) (see Appendix 1).					



11. INCIDENTS AND NON-COMPLIANCES DURING THE REPORTING PERIOD

During the reporting period, two exceedances of the lower airblast overpressure criterion were recorded during blast monitoring (see Section 6.4). Both exceedances have been reported as non-compliances in the separate Annual Return submitted to the EPA for the period 11 January 2020 to 10 January 2021.

No further exceedances or incidents occurred at the Quarry during the reporting period.

During the reporting period, no official cautions, penalty notices or prosecution proceedings were received by the Company. One warning letter (Ref: PSIMS INV 9774759) was received from DPIE in response to a complaint received on 18 September 2020 and the Company's response to this complaint provided on 24 November 2020 (see Section 9.2). The warning letter noted that the Company had breached Section 4.2(1)(b) of the EP&A Act 1979 by failing to comply with Conditions 1 (i.e. hours of operation) and 21 (i.e. implement a Transport Management Plan) of Schedule 3 of SSD 6333. Details of the complaint and the Company's response to DPIE are provided in Section 9.2.

The warning letter provided by DPIE advised the Company to:

- ensure that vehicle movements entering and exiting site comply with the conditions of consent; and
- ensure that all measures are in place to ensure compliance with the Traffic Management Plan and Drivers' Code of Conduct.

Additionally, DPIE noted that further surveillance of truck movement operations at the Quarry would be undertaken to ensure compliance.

In response to the warning letter, the Company has committed to reminding truck drivers either verbally or in writing of their obligations under the Transport Management Plan and Drivers' Code of Conduct at six monthly intervals. Dates on which reminders are provided will be recorded in a diary. Additionally, verbal or written warnings will continue to be issued in accordance with the disciplinary measures outlined in the Driver's Code of Conduct where truck drivers are observed to use engine brakes on local streets or cause excessive noise.

Table 24 provides a summary of each non-compliance identified in Section 1 and outlines the Company's response to each non-compliance. A complete compliance review is presented in **Appendix 1**.

Table 24
Non-Compliances during the Reporting Period

Page 1 of 2

Approval	Cond. No.	Non-compliance	Response
SSD_6333	2/2	All conditions of SSD_6333 have not been satisfied. Refer to specific non-compliances as outlined below.	All conditions of SSD_6333 have not been satisfied. Refer to specific non-compliances as outlined below.
	3/1	One complaint was received at the Quarry (via DPIE) during the reporting period concerning noise associated with trucks entering and exiting the Quarry Site prior to 6:00am. Surveillance conducted by DPIE indicated that excessive noise generated by Quarry-related vehicles was likely associated with the use of engine brakes by trucks.	The Company has committed to reminding truck drivers either verbally or in writing of their obligations under the Transport Management Plan and Drivers' Code of Conduct at six monthly intervals. Dates on which reminders are provided will be recorded in a diary. Additionally, verbal or written warnings will continue to be issued in accordance with the disciplinary measures outlined in the Driver's Code of Conduct where truck drivers are observed to use engine brakes on local streets or cause excessive noise.
	3/6	Twelve production blasts were undertaken during the reporting period. Two blasts exceeded the 115 dB(Lin Peak) limit, representing 17% of the total blasts.	The Company will review blast monitoring practices and request that the blasting contractor reviews site blasting laws during the next reporting period to ensure that blasts are appropriately designed to avoid future exceedances of blasting criteria.
	3/11	The Air Quality management plan does not detail a procedure for responses to adverse meteorological conditions.	The Company will undertake a review of the Air Quality Management Plan during the next reporting period and include a procedure for responses to adverse environmental conditions.
	3/21	One complaint was received at the Quarry (via DPIE) during the reporting period concerning noise associated with trucks entering and exiting the Quarry Site prior to 6:00am. Surveillance conducted by DPIE indicated that excessive noise was associated with the use of engine brakes. Section 4.2 of the Transport Management Plan and the Driver's Code of Conduct require that Drivers not use engine brakes on local streets and drive in a manner that minimises noise.	The Company has committed to reminding truck drivers either verbally or in writing of their obligations under the Transport Management Plan and Drivers' Code of Conduct at six monthly intervals. Dates on which reminders are provided will be recorded in a diary. Additionally, verbal or written warnings will continue to be issued in accordance with the disciplinary measures outlined in the Driver's Code of Conduct where truck drivers are observed to use engine brakes on local streets or cause excessive noise.
	3/25	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	As the bond has been in place since September 2018, no further action is required.
	4/1	Notifications of exceedances were not provided to privately-owned residences (not-subject to a blasting agreement) following exceedances of the lower airblast overpressure limit.	Results of blast monitoring will be provided to all privately-owned residences in the vicinity of the Quarry (including those subject to a blasting agreement) as soon as practicable following identification of any future exceedances.

Table 24 (Cont'd)
2019 Independent Environmental Audit – Non-Compliances and Responses

Page 2 of 2

Approval	Cond. No.	Non-compliance	Response
SSD_6333 (Cont'd)	5/6	Twelve production blasts were undertaken during the reporting period. Two blasts exceeded the 115 dB(Lin Peak) limit, representing 17% of the total blasts.	The Company will review blast monitoring practices and request that the blasting contractor reviews site blasting laws during the next reporting period to ensure that blasts are appropriately designed to avoid future exceedances of blasting criteria.
		a) As the exceedances were not identified as incidents following blast monitoring, all reasonable and feasible steps to prevent reoccurrence of these exceedances were not taken at the earliest opportunity.	Blast monitoring results will be reviewed by the Quarry Manager as soon as possible and compared against the blasting criteria outlined in section 4 of the Quarry's Blast management Plan. Reasonable and feasible steps to prevent reoccurrence will be considered and implemented at the Quarry as soon as practicable following identification of any exceedances.
		b) Potential remediation options were not considered at the earliest opportunity (i.e. immediately following review of blast monitoring results) and no reports were submitted.	The Company will review blast monitoring practices and ensure future exceedances are reported as required. Due to the nature of the exceedances, no remediation is considered necessary.
		c) As no incident reports were submitted, no directions from the Secretary were received.	Although no remediation measures were likely to be necessary, the Company will review blast monitoring practices and ensure future exceedances are reported as required.
	5/7	No notification or reports of the exceedances were made to the Secretary or relevant agencies and a detailed report was not provided within 7 days of each of the two identified exceedances.	The Company will review blast monitoring and reporting practices and ensure future exceedances are reported as required.
EPL 4442	L5.1	Twelve production blasts were undertaken in this reporting period. Two blast events during the reporting period exceeded the 115dB(Lin Peak) limit, representing 17% of total blasts.	Exceedances of the airblast overpressure criteria were reported as part of the 2020 EPL Annual Return.

12. ACTIVITIES TO BE COMPLETED IN THE NEXT REPORTING PERIOD

It is anticipated that the following activities will be undertaken during the next reporting period.

- Continued extraction of the first and second benches in areas identified in **Figure 3**.
- Ongoing monthly monitoring of air quality, surface water and groundwater and monitoring of blast events and discharge events as required.
- Ongoing weed control and maintenance of water management structures.
- Review and, if necessary, revision of blast monitoring procedures to ensure that blast monitoring is capable of identifying exceedances at privately-owned residences which are not subject to blasting agreements.
- Review and, if necessary, revision of site blasting laws to ensure that no further exceedances of the relevant blasting criteria are recorded at the Quarry.
- Review and, if necessary, revision of management plans for the Quarry following the submission of this Annual Review and the 2019 Independent Environmental Audit in accordance with Condition 5 of Schedule 5 of SSD_6333.
- Update the Company website, as required, to include the 2020 Annual Review, latest independent environmental audit report and any updated management plans.

Appendices

(Total No. of pages including blank pages = 180)

- Appendix 1 Compliance Review (134 pages)
- Appendix 2 Developsment Consent SSD_6333 (30 pages)
- Appendix 3 Truck Movement and Production
Summary – 2020 (4 pages)
- Appendix 4 Blasting Agreements (6 pages)
- Appendix 5 Complaints Register and Company
Response (4 pages)



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Appendix 1

Compliance Review

(Total No. of pages including blank pages = 134)



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Table A1.1
Development Consent SSD_6333 – Compliance Review

Page 1 of 21

Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes
SCHEDULE 2 – ADMINISTRATIVE CONDITIONS			
OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT			
1.	In addition to meeting the specific performance measures and criteria established under this consent, the Applicant 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 development.	Yes	Additional measures targeting the prevention and minimisation of environmental harm are implemented in accordance with the Quarry's approved management plans.
TERMS OF CONSENT			
2.	The Applicant shall carry out the development: a) generally in accordance with the EIS; b) in accordance with the Development Layout and Statement of Commitments; and c) in accordance with the conditions of this consent.	No	All conditions of SSD_6333 have not been satisfied. Refer to specific non-compliances as outlined below.
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 consent shall prevail to the extent of any inconsistency.	Noted	
4.	The Applicant shall comply with any reasonable requirement/s of the Secretary arising from the Department's assessment of: a) any strategies, plans, programs, reviews, audits, reports or correspondence that are submitted in accordance with this consent; b) any reviews, reports or audits undertaken or commissioned by the Department regarding compliance with this consent; or c) the implementation of any actions or measures contained in these documents.	Yes	No outstanding requirements are awaiting action.
LAPSING OF CONSENT			
5.	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	
LIMITS ON CONSENT			
Quarrying Operations			
6.	The Applicant shall not extract extractive materials below a level of 1125 m AHD.	Yes	Extraction has not proceeded below 1 125m.
7.	The Applicant may carry out quarrying operations on the site until 30 August 2045.	Noted	
Production Limits			
8.	The Applicant shall not transport more than 400,000 tonnes of quarry products from the site in any calendar year.	Yes	304 767 tonnes of product was transported from the Quarry site during the reporting period.
9.	The Applicant shall not transport more than 3,000 tonnes of quarry products from the site on any day.	Yes	Maximum average daily product transport for the 2016 to 2020 period was 2 592 tonnes.

Table A1.1 (Cont'd)
Development Consent SSD_6333 – Compliance Review

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Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes
SCHEDULE 2 – ADMINISTRATIVE CONDITIONS (Cont'd)			
SURRENDER OF EXISTING DEVELOPMENT CONSENTS			
10.	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.	Yes	Compliance demonstrated in the 2017 independent environmental audit.
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	
STRUCTURAL ADEQUACY			
12.	The Applicant 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.	Not Triggered	
DEMOLITION			
13.	The Applicant 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.	Not Triggered	
PROTECTION OF PUBLIC INFRASTRUCTURE			
14.	The Applicant shall: a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the development; and b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development.	Not Triggered	
OPERATION OF PLANT AND EQUIPMENT			
15.	The Applicant shall ensure that all the plant and equipment used at the site is: a) maintained in a proper and efficient condition; and b) operated in a proper and efficient manner.	Yes	Plant and equipment are inspected by the Quarry manager weekly and any maintenance requirements are recorded. No complaints regarding plant or equipment operation were received during the reporting period.
PRODUCTION DATA			
16.	The Applicant shall: a) provide annual quarry production data to DRE using the standard form for that purpose; and b) include a copy of this data in the Annual Review (see condition 9 of Schedule 5).	Yes Yes	An extractive materials return (DRE standard form) was submitted to DRE for the year ended 30 June 2020. Annual production data is included in Table 8 of this Annual review.

Table A1.1 (Cont'd)
Development Consent SSD_6333 – Compliance Review

Page 3 of 21

Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes										
SCHEDULE 2 – ADMINISTRATIVE CONDITIONS (Cont'd)													
IDENTIFICATION OF APPROVED EXTRACTION LIMITS													
17.	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 b) submit a survey plan of these boundaries with applicable GPS coordinates to the Secretary.	 Yes Yes	 2019 Audit confirmed the presence of survey pegs delineating the approved limits of extraction. Survey plans prepared by Central West Survey were submitted to DPE.										
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.	Yes	Survey pegs have been placed to delineate the approved limits of extraction.										
DEVELOPMENT CONTRIBUTIONS													
19.	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; b) paid every month based on the material transported in the preceding month; and c) indexed annually to changes in the Consumer Price Index (All Groups).	 Yes Yes Yes	 The payment rate during the reporting period was \$0.482/t. Payments were made monthly during the reporting period. Correspondence provided by Council for the 2019 audit confirmed that the Company has made all road maintenance payments requested by Council.										
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS													
NOISE													
Hours of Operation													
1.	The Applicant shall comply with the operating hours set out in Table 1. Table 1: Operating Hours <table><tr><th>Activity</th><th>Operating Hours</th></tr><tr><td>Extraction operations</td><td>7 am to 6 pm Monday to Friday 7 am to 5 pm Saturday</td></tr><tr><td>Loading and dispatch</td><td>6 am to 10 pm Monday to Friday 6 am to 5 pm Saturday</td></tr><tr><td>Construction and maintenance activities</td><td>7 am to 6pm Monday to Friday 7 am to 4 pm Saturday</td></tr><tr><td>Blasting</td><td>9 am to 5 pm Monday to Saturday</td></tr></table> <i>Note: The Applicant may carry out other activities e.g. maintenance, on the site provided that these activities are conducted in a manner that is inaudible at all privately-owned residences.</i>	Activity	Operating Hours	Extraction operations	7 am to 6 pm Monday to Friday 7 am to 5 pm Saturday	Loading and dispatch	6 am to 10 pm Monday to Friday 6 am to 5 pm Saturday	Construction and maintenance activities	7 am to 6pm Monday to Friday 7 am to 4 pm Saturday	Blasting	9 am to 5 pm Monday to Saturday	No	One complaint was received at the Quarry (via DPIE) during the reporting period concerning noise associated with trucks entering and exiting the Quarry Site prior to 6:00am. Surveillance conducted by DPIE indicated that excessive noise generated by Quarry-related vehicles was likely associated with the use of engine brakes by trucks.
Activity	Operating Hours												
Extraction operations	7 am to 6 pm Monday to Friday 7 am to 5 pm Saturday												
Loading and dispatch	6 am to 10 pm Monday to Friday 6 am to 5 pm Saturday												
Construction and maintenance activities	7 am to 6pm Monday to Friday 7 am to 4 pm Saturday												
Blasting	9 am to 5 pm Monday to Saturday												

Table A1.1 (Cont'd)
Development Consent SSD_6333 – Compliance Review

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Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes											
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS (Cont'd)														
NOISE (Cont'd)														
Hours of Operation (Cont'd)														
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.	Not Triggered												
Noise Impact Assessment Criteria														
3.	The Applicant shall ensure that the noise generated by the development does not exceed the criteria in Table 2 at any residence on privately-owned land. Table 2: Noise criteria dB(A) <table border="1"> <thead> <tr> <th rowspan="2">Receiver</th><th>Day / Evening</th><th colspan="2">Night</th></tr> <tr> <th>L_{Aeq}(15 min)</th><th>L_{Aeq}(15 min)</th><th>L_{A1}(max)</th></tr> </thead> <tbody> <tr> <td>All privately-owned residences</td><td>35</td><td>35</td><td>45</td></tr> </tbody> </table> Noise generated by the development is to be measured in accordance with the relevant requirements and exemptions (including certain meteorological conditions) of the <i>NSW Industrial Noise Policy</i>. Appendix 4 sets out the meteorological conditions under which these criteria apply and the requirements for evaluating compliance with these criteria. However, these criteria do not apply if the Applicant has an agreement with the relevant landowner to exceed the noise criteria in Table 2, and the Applicant has advised the Department in writing of the terms of this agreement.	Receiver	Day / Evening	Night		L _{Aeq} (15 min)	L _{Aeq} (15 min)	L _{A1} (max)	All privately-owned residences	35	35	45	Yes	Noise agreements have been established between the Company and residences R5, R6 and R8. The Company owns residences R1 to R4. The discontinuation of noise monitoring was approved by the Secretary on 2 February 2017. No noise-related complaints were received during the reporting period.
Receiver	Day / Evening		Night											
	L _{Aeq} (15 min)	L _{Aeq} (15 min)	L _{A1} (max)											
All privately-owned residences	35	35	45											
Operating Conditions														
4.	The Applicant shall: a) implement best practice management to minimise the operational and road transportation noise of the development; b) minimise the noise impacts of the development during meteorological conditions when the noise criteria in this consent do not apply (see Appendix 4); 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	Yes Yes Not Triggered	Noise generating activities (e.g. excavation, processing) are undertaken within the Extraction Area and Processing Area. Landforms provide acoustic shielding for activities in these areas. Relevant noise mitigation measures are outlined in the approved Noise Management Plan for the Quarry. No noise monitoring was undertaken during the reporting period. Approval to discontinue noise monitoring was received from the Secretary on 2 February 2017.											

Table A1.1 (Cont'd)
Development Consent SSD_6333 – Compliance Review

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Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes											
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS (Cont'd)														
NOISE (Cont'd)														
Operating Conditions (Cont'd)														
4. (Cont'd)	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.	Not Triggered	No noise monitoring data was available for review during the reporting period.											
Noise Management Plan														
5.	The Applicant shall prepare and implement a Noise Management Plan for the development to the satisfaction of the Secretary. This plan must: a) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary; b) describe the measures that would be implemented to ensure compliance with the noise criteria and operating conditions of this consent; c) describe the proposed noise management system in detail; and 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.	Yes Yes Yes Yes Yes	The Quarry operates in accordance with the approved Noise Management Plan (version May 2018). The current Noise Management Plan has been approved by DPIE. Section 5.2 of the Noise Management Plan details measures targeting compliance with the relevant criteria and conditions. The Noise Management Plan describes the noise management system for the Quarry. Section 6.1 details the noise monitoring program for the Quarry.											
BLASTING														
Blasting Impact Assessment Criteria														
6.	The Applicant shall ensure that blasting on site does not cause any exceedance of the criteria in Table 3. Table 3: Blasting Criteria <table border="1"> <thead> <tr> <th>Location</th><th>Airblast overpressure (dB(Lin Peak))</th><th>Ground vibration (mm/s)</th><th>Allowable exceedance</th></tr> </thead> <tbody> <tr> <td rowspan="2">Any residence on privately-owned land</td><td>120</td><td>10</td><td>0%</td></tr> <tr> <td>115</td><td>5</td><td>5% of the total number of blasts over a period of 12 months</td></tr> </tbody> </table> However, these criteria do not apply if the Applicant has a written agreement with the relevant landowner to exceed the limits in Table 3, and the Applicant has advised the Department in writing of the terms of this agreement.	Location	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)	Allowable exceedance	Any residence on privately-owned land	120	10	0%	115	5	5% of the total number of blasts over a period of 12 months	No	Twelve production blasts were undertaken during the reporting period. Two blasts exceeded the 115 dB(Lin Peak) limit, representing 17% of the total blasts.
Location	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)	Allowable exceedance											
Any residence on privately-owned land	120	10	0%											
	115	5	5% of the total number of blasts over a period of 12 months											
Blasting Frequency														
7.	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.	Yes	No more than two blasts per week were carried out during the reporting period.											

Table A1.1 (Cont'd)
Development Consent SSD_6333 – Compliance Review

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Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS (Cont'd)			
BLASTING (Cont'd)			
Operating Conditions			
8.	During blasting operations, the Applicant shall: a) implement best management practice to: - protect the safety of people and livestock in areas surrounding blasting operations; - protect public or private infrastructure/property in the surrounding area from damage from blasting operations; and - minimise dust and fume emissions from blasting; b) operate a suitable system to enable the local community to get up-to-date information on the proposed blasting schedule on site; and c) carry out regular monitoring to determine whether the development is complying with the relevant conditions of this consent, to the satisfaction of the Secretary.	Yes Yes Yes	Best practice blast management measures are outlined in Section 6 of the Blast Management Plan. Blasting operations are undertaken in accordance with the approved Blast Management Plan. A notification system is outlined in the Blast Management Plan. Blast monitoring was completed for each blast event during the reporting period.
Blast Management Plan			
9.	The Applicant shall prepare and implement a Blast Management Plan for the development to the satisfaction of the Secretary. This plan must: a) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary; b) describe the measures that would be implemented to ensure compliance with the blast criteria and operating conditions in conditions 7 and 8 above; c) include a monitoring program for evaluating and reporting on compliance with the blasting criteria in this consent; d) include community notification procedures for the blasting schedule; and e) include a protocol for investigating and responding to complaints.	Yes Yes Yes Yes Yes	The Quarry operates in accordance with the approved Blast Management Plan (version August 2017). The current Blast Management Plan was approved by DPIE. Section 6 of the Blast Management Plan outlined blast management controls for the Quarry. Section 7 of the Blast Management Plan outlines the blast monitoring program for the Quarry. Section 8 of the Blast Management Plan outlines the community notification procedure for the Quarry. Section 8.3 of the Blast Management Plan outlines the complaints investigation procedure for the Quarry.

Table A1.1 (Cont'd)
Development Consent SSD_6333 – Compliance Review

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Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes															
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS (Cont'd)																		
AIR QUALITY																		
Air Quality Impact Assessment Criteria																		
10.	The Applicant shall ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the development do not cause exceedances of the criteria in Table 4 at any residence on privately-owned land. Table 4: Air Quality Criteria <table><tr><th>Pollutant</th><th>Averaging Period</th><th>Criterion</th></tr><tr><td>Particulate matter < 10 µm (PM₁₀)</td><td>Annual</td><td>^{a,d} 30 µg/m³</td></tr><tr><td>Particulate matter < 10 µm (PM₁₀)</td><td>24 hour</td><td>^b 50 µg/m³</td></tr><tr><td>Total suspended particulates (TSP)</td><td>Annual</td><td>^{a,d} 90 µg/m³</td></tr><tr><td>^c Deposited dust</td><td>Annual</td><td>^b 2 g/m²/month ^{a,d} 4 g/m²/month</td></tr></table>	Pollutant	Averaging Period	Criterion	Particulate matter < 10 µm (PM ₁₀)	Annual	^{a,d} 30 µg/m ³	Particulate matter < 10 µm (PM ₁₀)	24 hour	^b 50 µg/m ³	Total suspended particulates (TSP)	Annual	^{a,d} 90 µg/m ³	^c Deposited dust	Annual	^b 2 g/m ² /month ^{a,d} 4 g/m ² /month	Yes	Monitoring results indicate that deposited dust levels did not exceed the relevant criteria during the reporting period. The approved Air Quality Management Plan requires that PM₁₀ and TSP monitoring be undertaken only in the event that a complaint regarding PM₁₀ or TSP concentrations is received. No complaints regarding PM₁₀ or TSP were received during the reporting period.
Pollutant	Averaging Period	Criterion																
Particulate matter < 10 µm (PM ₁₀)	Annual	^{a,d} 30 µg/m ³																
Particulate matter < 10 µm (PM ₁₀)	24 hour	^b 50 µg/m ³																
Total suspended particulates (TSP)	Annual	^{a,d} 90 µg/m ³																
^c Deposited dust	Annual	^b 2 g/m ² /month ^{a,d} 4 g/m ² /month																
Operating Conditions																		
11.	The Applicant shall: a) implement best practice management to minimise the dust emissions of the development; 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; c) minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see note d under Table 4); d) monitor and report on compliance with the relevant air quality conditions in this consent; e) implement all reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site; and f) minimise the area of surface disturbance and undertake progressive rehabilitation of the site, to the satisfaction of the Secretary.	Yes Yes No Yes Yes Yes	Section 5.1 of the Air Quality Management Plan commits to the maintenance and use of the truck wheel wash. The truck wheel wash was recommissioned during the reporting period. Deposited dust monitoring data is reviewed upon receipt. No exceedances of the relevant criteria were recorded during the reporting period. The Air Quality Management Plan does not detail a procedure for responses to adverse meteorological conditions. Deposited dust monitoring results are published on the Company website and discussed in this Annual Review. Measures for the minimisation of greenhouse gas emissions are detailed in Section 5.2 of the Air Quality Management Plan. Extractive activities were limited to the existing pit during the reporting period. Weed control was undertaken as required during the reporting period.															

Table A1.1 (Cont'd)
Development Consent SSD_6333 – Compliance Review

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Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS (Cont'd)			
AIR QUALITY (Cont'd)			
Air Quality Management Plan			
12.	The Applicant shall prepare and implement an Air Quality Management Plan for the development to the satisfaction of the Secretary. This plan must:	Yes	The Quarry operates in accordance with the approved Air Quality Management Plan (version May 2018).
	a) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary;	Yes	The current Air Quality management plan has been approved by DPIE.
	b) describe the measures that would be implemented to ensure compliance with the air quality criteria and operating conditions of this consent;	Yes	Section 5 of the Air Quality Management Plan details measures to ensure compliance with the relevant criteria and conditions.
	c) describe the proposed air quality management system;	Yes	The Air Quality Management Plan describes the air quality management system for the Quarry.
	d) include an air quality monitoring program that:	Yes	The air quality monitoring program does not include monitoring of PM ₁₀ and TSP as required under Condition 10 of Schedule 3 of SSD_6333. The approved Air Quality Management Plan requires that PM ₁₀ and TSP monitoring be undertaken only in the event that a complaint regarding PM ₁₀ or TSP concentrations is received. No complaints regarding PM ₁₀ or TSP were received during the reporting period.
	- 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.		
Meteorological Monitoring			
13.	For the life of the development, the Applicant shall ensure that there is a suitable meteorological station operating in the vicinity of the site that complies with the requirements in the <i>Approved Methods for Sampling of Air Pollutants in New South Wales</i> guideline.	Yes	Meteorological data is sourced from the Borgs weather station in Oberon.
SOIL AND WATER			
Water Supply			
14.	The Applicant shall ensure that it has sufficient water for all stages of the development, and if necessary, adjust the scale of operations under the consent to match its available water supply, to the satisfaction of the Secretary.	Yes	The site water balance outlined in the Water Management Plan indicates that rainfall provides sufficient water for Quarry operational needs. No water was extracted under WAL 3429 during the reporting period.
Water Pollution			
15.	Unless an EPL authorises otherwise, the Applicant shall comply with Section 120 of the POEO Act.	Yes	No water samples exceeded the relevant trigger levels during the reporting period. No pollution incidents were recorded during the reporting period.

Table A1.1 (Cont'd)
Development Consent SSD_6333 – Compliance Review

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Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS (Cont'd)			
SOIL AND WATER (Cont'd)			
Water Management Plan			
16.	The Applicant shall prepare and implement a Water Management Plan for the development to the satisfaction of the Secretary. This plan must: a) be prepared by suitably qualified person/s approved by the Secretary; b) be prepared in consultation with the EPA and DPI-Water; c) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary; d) include a: i) Site Water Balance that includes: • details of: – sources and security of water supply; – water use and management on site; – any off-site water transfers; and – reporting procedures. • measures that would be implemented to minimise clean water use on site; ii) Surface Water Management Plan, that includes: • 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: – clean water diversion system; – erosion and sediment controls; – dirty water management system; and – water storages; and • a program to monitor and report on: – any surface water discharges; – the effectiveness of the water management system;	Yes Yes Yes Yes Yes Yes	The Quarry operates in accordance with the approved Water Management Plan (version August 2017). DPE approved the appointment of Peter Jamieson (Umwelt) to prepare the Water Management Plan. The 2019 audit report indicates that consultation with the EPA and DPI-Water was undertaken during preparation of the Water Management Plan. The current Water Management Plan was approved by DPIE. Section 4 of the Water Management Plan details the site water balance. Section 3 of the Water Management Plan outlines the water management system for the Quarry.

Table A1.1 (Cont'd)
Development Consent SSD_6333 – Compliance Review

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Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS (Cont'd)			
SOIL AND WATER (Cont'd)			
Water Management Plan (Cont'd)			
	– maintaining sufficient dirty water storage capacity to avoid discharges of sediment-laden water; and – surface water flows and quality in local watercourses;		
	iii) Groundwater Management Plan, that includes: • 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	Yes	Section 5 of the Water Management Plan details the groundwater management plan for the Quarry.
	iv) Surface and Ground Water Contingency Strategy, that includes: • 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.	Yes	Section 7 of the Water Management Plan details the surface and groundwater contingency strategy for the Quarry.
TRANSPORT			
Monitoring of Product Transport			
17.	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.	Yes	Truck records are maintained at the weighbridge. A summary of product transport and truck movements for the reporting period is available in the Company website.
Operating Conditions			
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;	Yes	Quarry-related trucks were provided with appropriate signage during the reporting period.

Table A1.1 (Cont'd)
Development Consent SSD_6333 – Compliance Review

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Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS (Cont'd)			
TRANSPORT (Cont'd)			
Operating Conditions (Cont'd)			
18. (Cont'd)	b) all laden trucks entering or exiting the site have their loads covered; c) all laden trucks exiting the site are cleaned of material that may fall on the road, before leaving the site; 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 e) no trucks queue at the entrance to the site before 6 am.	Yes Yes Yes Yes	All laden trucks entering or exiting the site had their loads covered during the reporting period. The truck wheel wash was recommissioned during the reporting period. No complaints regarding truck movements outside of approved hours were received during the reporting period. No complaints regarding trucks queueing at the Quarry entrance were received during the reporting period.
Further Road Maintenance and Contributions			
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.	Yes	The intersection advance warning signage has been installed on the eastbound approach to the Duckmaloi Rad and Titania Road intersection (as detailed in the 2018 Annual Review).
20.	Within two weeks of receiving a written request from Council, or as otherwise agreed by Council, the Applicant shall: 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 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.	Not Triggered	
Transport Management Plan			
21.	The Applicant shall prepare and implement a Transport Management Plan for the development to the satisfaction of the Secretary. This plan must: a) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary;	No Yes	One complaint was received at the Quarry (via DPIE) during the reporting period concerning noise associated with trucks entering and exiting the Quarry Site prior to 6:00am. Surveillance conducted by DPIE indicated that excessive noise was associated with the use of engine brakes. Section 4.2 of the Transport Management Plan and the Driver's Code of Conduct require that Drivers not use engine brakes on local streets and drive in a manner that minimises noise. The current Transport Management Plan was approved by DPIE.

Table A1.1 (Cont'd)
Development Consent SSD_6333 – Compliance Review

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Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes														
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS (Cont'd)																	
	b) include a Drivers' Code of Conduct to minimise the impacts of development-related trucks on local residences and road users; and c) describe the measures that would be put in place to ensure compliance with the Drivers' Code of Conduct.	Yes Yes	Appendix 2 of the Transport Management Plan provides a Driver's Code of Conduct. Section 4 of the Transport Management Plan outline measures to ensure compliance with the Driver's Code of Conduct.														
LANDSCAPE AND REHABILITATION																	
Rehabilitation Objectives																	
22.	The Applicant shall rehabilitate the site to the satisfaction of the Secretary. This rehabilitation must be generally consistent with the rehabilitation strategy set out in the EIS and the conceptual final landform shown in Appendix 3 and must comply with the objectives in Table 5. Table 5: Rehabilitation Objectives <table><tr><th>Feature</th><th>Objective</th></tr><tr><td>Site (as a whole)</td><td> - 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 </td></tr><tr><td>Surface Infrastructure</td><td> - Decommissioned and removed, unless DRE agrees otherwise </td></tr><tr><td>Quarry Benches</td><td> - Landscaped and vegetated using native tree and understorey species </td></tr><tr><td>Quarry Pit Floor</td><td> - Landscaped and revegetated using improved pasture species, native trees and understorey species </td></tr><tr><td>Final Void</td><td> - Minimise the height and slope of batters - Minimise the drainage catchment </td></tr><tr><td>Community</td><td> - Ensure public safety - Minimise the adverse socio-economic effects of quarry closure </td></tr></table>	Feature	Objective	Site (as a whole)	- 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	Surface Infrastructure	Decommissioned and removed, unless DRE agrees otherwise	Quarry Benches	Landscaped and vegetated using native tree and understorey species	Quarry Pit Floor	Landscaped and revegetated using improved pasture species, native trees and understorey species	Final Void	- Minimise the height and slope of batters - Minimise the drainage catchment	Community	- Ensure public safety - Minimise the adverse socio-economic effects of quarry closure	Not Triggered	
Feature	Objective																
Site (as a whole)	- 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																
Surface Infrastructure	Decommissioned and removed, unless DRE agrees otherwise																
Quarry Benches	Landscaped and vegetated using native tree and understorey species																
Quarry Pit Floor	Landscaped and revegetated using improved pasture species, native trees and understorey species																
Final Void	- Minimise the height and slope of batters - Minimise the drainage catchment																
Community	- Ensure public safety - Minimise the adverse socio-economic effects of quarry closure																
Progressive Rehabilitation																	
23.	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.	Yes	No areas were available for rehabilitation during the reporting period. Weed control was undertaken during the reporting period as required.														
Landscape and Rehabilitation Management Plan																	
24.	The Applicant shall prepare and implement a Landscape and Rehabilitation Management Plan for the development to the satisfaction of the Secretary.	Yes	The Quarry operates in accordance with the approved Landscape and Rehabilitation Management Plan (version May 2018).														

Table A1.1 (Cont'd)
Development Consent SSD_6333 – Compliance Review

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Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS (Cont'd)			
LANDSCAPE AND REHABILITATION (Cont'd)			
Landscape and Rehabilitation Management Plan (Cont'd)			
	This plan must:	Yes	The Landscape and Rehabilitation Management Plan was approved by DPIE.
	a) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary;	Yes	Section 4.3 of the Landscape and Rehabilitation Management Plan provides details of the final landform.
	b) provide details of the conceptual final landform and associated land uses for the site;	Yes	
	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;	Yes	Section 5 of the Landscape and Rehabilitation Management Plan outlines measures to ensure compliance with the rehabilitation objectives.
	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: - 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 impacts; - reviewing improved pasture species and application rates; - controlling weeds and feral pests; - controlling erosion; - controlling access; and - bushfire management;	Yes	Section 6 of the Landscape and Rehabilitation Management Plan outlines measures to be implemented between 2018 and 2020. As outlined in Section 6.6 of this Annual Review, the establishment of residual vegetation monitoring plots will be completed by 2023 at the earliest.
	e) include a program to monitor and report on the effectiveness of these measures, and progress against the performance and completion criteria;	Yes	Section 7 of the Landscape and Rehabilitation Management Plan outlines the rehabilitation monitoring program for the Quarry. As outlined in Section 6.6 of this Annual Review, the establishment of residual vegetation monitoring plots will be completed by 2023 at the earliest. As outlined in the Plan, rehabilitation monitoring will commence once the final landform has been achieved.
	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	Yes	Section 10 of the Landscape and Rehabilitation Management Plan includes a rehabilitation risk assessment.
	g) include details of who would be responsible for monitoring, reviewing, and implementing the plan.	Yes	Section 11 of the Landscape and Rehabilitation Management Plan details responsibilities for Plan implementation.

Table A1.1 (Cont'd)
Development Consent SSD_6333 – Compliance Review

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Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS (Cont'd)			
LANDSCAPE AND REHABILITATION (Cont'd)			
Rehabilitation Bond			
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 plan and relevant conditions of this consent. The sum of the bond shall be determined by: a) calculating the cost of rehabilitating the site, taking into account the likely surface disturbance over the next 3 years of quarrying operations; and b) employing a suitably qualified quantity surveyor or other expert to verify the calculated costs, to the satisfaction of the Secretary.	No Yes Yes	Although the rehabilitation bond has been in place since September 2018, the bond was not originally provided to DPIE within the required 6 month period. The calculated cost in the current rehabilitation bond was approved by DPIE on 5 April 2018. DPIE approved the appointment of Luke Betteridge to prepare the rehabilitation bond.
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.	Yes	A review of the Rehabilitation Bond was undertaken following submission of the 2019 Independent Environmental Audit (before 30 June 2020). It was determined that the Rehabilitation Bond did not require revision based on completed and planned rehabilitation activities.
VISUAL			
27.	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.	Yes	No complaints regarding off-site lighting impacts were received during the reporting period.
WASTE			
28.	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; b) minimise the waste generated by the development; c) ensure that the waste generated by the development is appropriately stored, handled, and disposed of; and	Yes Yes Yes	Two septic tanks are installed at the Quarry. A licenced contractor is engaged to dispose of sewage waste off site. Based on the volume and types of waste generated at the Quarry, the Company does not consider that a formal waste management program is necessary. Waste batteries and oil are stored safely for removal and/or recycling. Un-useable derelict equipment is identified and suitably processed for removal.

Table A1.1 (Cont'd)
Development Consent SSD_6333 – Compliance Review

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Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS (Cont'd)			
WASTE (Cont'd)			
	d) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary.	Yes	Section 6.8 details provides details regarding waste management and minimisation during the reporting period.
29.	Except as expressly permitted in an EPL, the Applicant must not receive waste at the site for storage, treatment, processing, reprocessing or disposal.	Yes	No wastes were accepted at the Quarry during the reporting period.
LIQUID STORAGE			
30.	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.	Yes	Dangerous goods at the Quarry (i.e. diesel and emulsion) were stored in tanks that are bunded in accordance with the relevant Australian Standard during the reporting period.
DANGEROUS GOODS			
31.	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.	Yes	Dangerous goods were appropriately stored and handled during the reporting period.
BUSHFIRE			
32.	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.	Yes	Appropriate firefighting equipment is available at the Quarry.
SCHEDULE 4 – ADDITIONAL PROCEDURES			
NOTIFICATION OF LANDOWNERS			
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 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).	No Not Triggered	Notifications of exceedances were not provided to privately-owned residences (not-subject to a blasting agreement) following exceedances.
INDEPENDENT REVIEW			
2.	If an owner of privately-owned land considers the development to be exceeding the relevant criteria in Schedule 3, then he/she may ask the Secretary in writing for an independent review of the impacts of the development on his/her land.	Not Triggered	

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Table A1.1 (Cont'd)
Development Consent SSD_6333 – Compliance Review

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Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes
SCHEDULE 5 – ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING (Cont'd)			
INDEPENDENT REVIEW (Cont'd)			
Environmental Management Strategy (Cont'd)			
	f) include: - copies of any strategies, plans and programs approved under the conditions of this consent; and - a clear plan depicting all the monitoring to be carried out under the conditions of this consent.	Yes	The relevant plans are included as appendices to the Environmental Management Strategy.
Management Plan Requirements			
2.	The Applicant shall ensure that the management plans required under this consent are prepared in accordance with any relevant guidelines, and include: a) detailed baseline data; b) a description of: - the relevant statutory requirements (including any relevant approval, licence or lease conditions); - any relevant limits or performance measures/criteria; and - the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measures; 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: - impacts and environmental performance of the development; and - effectiveness of any management measures (see (c) above); e) a contingency plan to manage any unpredicted impacts and their consequences and to ensure that ongoing impacts reduce to levels below relevant impact assessment criteria as quickly as possible; f) a program to investigate and implement ways to improve the environmental performance of the development over time; g) a protocol for managing and reporting any: - incidents; - complaints; - non-compliances with statutory requirements; and - exceedances of the impact assessment criteria and/or performance criteria; and	Yes	All plans required by SSD_6333 have been approved by DPIE (or the then DPE) and include the necessary information.

Table A1.1 (Cont'd)
Development Consent SSD_6333 – Compliance Review

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Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes
SCHEDULE 5 – ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING (Cont'd)			
INDEPENDENT REVIEW (Cont'd)			
Management Plan Requirements (Cont'd)			
	h) a protocol for periodic review of the plan. <i>Note: The Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.</i>		
Application of Existing Management Plans			
3.	Prior to the approval of management plans under this consent, the Applicant shall manage development undertaken pursuant to this consent in accordance with any equivalent or similar management plan/s required under development consent DA 92/164.	Noted	
Staged Submission of Strategies, Plans or Programs			
4.	With the approval of the Secretary, the Applicant may submit any strategies, plans or programs required by this consent on a progressive basis.	Not Triggered	
Revision of Strategies, Plans and Programs			
5.	Within 3 months of the submission of an: a) incident report under condition 7 below; b) annual review under condition 9 below; c) audit report under condition 10 below; and d) any modifications to this consent, 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. <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>	Yes	Management plans for the Quarry were reviewed following submission of the 2019 Annual Review and the 2019 Independent Environmental Audit Report.
Adaptive Management			
6.	The Applicant must assess and manage development-related risks to ensure that there are no exceedances of the criteria and/or performance measures in Schedule 3. Any exceedance of these criteria and/or performance measures constitutes a breach of this consent and may be subject to penalty or offence provisions under the EP&A Act or EP&A Regulation. Where any exceedance of these criteria and/or performance measures has occurred, the Applicant must, at the earliest opportunity:	No	Two exceedances of the relevant lower blast overpressure limit criteria were recorded during the reporting period.

Table A1.1 (Cont'd)
Development Consent SSD_6333 – Compliance Review

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Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes
SCHEDULE 5 – ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING (Cont'd)			
INDEPENDENT REVIEW (Cont'd)			
Adaptive Management (Cont'd)			
	a) take all reasonable and feasible steps to ensure that the exceedance ceases and does not reoccur;	No	As the exceedances were not identified as incidents following blast monitoring, all reasonable and feasible steps to prevent reoccurrence of these exceedances were not taken at the earliest opportunity.
	b) consider all reasonable and feasible options for remediation (where relevant) and submit a report to the Department describing those options and any preferred remediation measures or other course of action; and	No	Potential remediation options were not considered at the earliest opportunity (i.e. immediately following review of blast monitoring results) and no reports were submitted.
	c) implement remediation measures as directed by the Secretary; to the satisfaction of the Secretary.	No	As no incident reports were submitted, no directions from the Secretary were received.
REPORTING			
Incident Reporting			
7.	The Applicant shall immediately notify the Secretary and any other relevant agencies of any incident. Within 7 days of the date of the incident, the Applicant shall provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested.	No	No notification or reports of the exceedances were made to the Secretary or relevant agencies and a detailed report was not provided within 7 days of each of the two identified exceedances.
Regular Reporting			
8.	The Applicant shall provide regular reporting on the environmental performance of the development on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this consent.	Yes	The Company has published monitoring data for the reporting period on its website.
ANNUAL REVIEW			
9.	By the end of March each year, or other timing as may be agreed by the Secretary, the Applicant shall review the environmental performance of the development to the satisfaction of the Secretary. This review must:	Yes	This Annual Review.
	a) describe the development (including any rehabilitation) that was carried out in the previous calendar year, and the development that is proposed to be carried out over the current calendar year;	Yes	Sections 4 and 8 of this Annual Review.

Table A1.1 (Cont'd)
Development Consent SSD_6333 – Compliance Review

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Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes
SCHEDULE 5 – ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING (Cont'd)			
ANNUAL REVIEW (Cont'd)			
	b) include a comprehensive review of the monitoring results and complaints records of the development over the previous calendar year, which includes a comparison of these results against the: • relevant statutory requirements, limits or performance measures/criteria; • requirements of any plan or program required under this consent; • monitoring results of previous years; and • relevant predictions in the EIS;	Yes	See Sections 6, 7 and 9.2 of this Annual Review.
	c) identify any non-compliance over the past calendar year, and describe what actions were (or are being) taken to ensure compliance;	Yes	Section 11 of this Annual Review
	d) identify any trends in the monitoring data over the life of the development;	Yes	Section 6 of this Annual Review.
	e) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and	Yes	Section 6 of this Annual Review.
	f) describe what measures will be implemented over the current calendar year to improve the environmental performance of the development.	Yes	Section 6 and 8.2 of this Annual Review.
INDEPENDENT ENVIRONMENTAL AUDIT			
10.	Within a year of the date of this consent, and every 3 years thereafter, unless the Secretary directs otherwise, the Applicant shall commission and pay the full cost of an Independent Environmental Audit of the development. This audit must: a) be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary; b) include consultation with the relevant agencies; c) assess the environmental performance of the development and whether it is complying with the relevant requirements in this consent and any relevant EPL or necessary water licences for the development (including any assessment, strategy, plan or program required under these approvals); d) review the adequacy of strategies, plans or programs required under the abovementioned approvals; and	Yes Yes Yes Yes	An Independent Environmental Audit was commissioned in October 2019 during the previous reporting period (see Appendix 1 of this Annual Review). 2019 Audit undertaken by Barnett & May. See Section 5 of 2019 Audit (see Appendix 1 of this Annual Review). 2019 Audit (see Appendix 1 of this Annual Review). 2019 Audit (see Appendix 1 of this Annual Review).

Table A1.1 (Cont'd)
Development Consent SSD_6333 – Compliance Review

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Cond. No.	Minister's Conditions of Consent (MCoA)	Compliance	Comments/Notes
SCHEDULE 5 – ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING (Cont'd)			
ACCESS TO INFORMATION (Cont'd)			
	e) recommend appropriate measures or actions to improve the environmental performance of the development, and/or any assessment, strategy, plan or program required under the abovementioned approvals.	Yes	2019 Audit Section 6 (see Appendix 1 of this Annual Review).
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.	Yes	Audit and responses submitted to DPIE on 30 March 2020.
ACCESS TO INFORMATION			
12.	Within 6 months of the date of this consent, the Applicant shall: a) make the following information publicly available on its website: - the documents listed in condition 2 of Schedule 2; - current statutory approvals for the development; - all approved strategies, plans and programs required under the conditions of this consent; - a comprehensive summary of the monitoring results of the development, reported in accordance with the specifications in any conditions of this consent, or any approved plans and programs; - a complaints register, updated monthly; - the annual reviews of the development; - any independent environmental audit, and the Applicant's response to the recommendations in any audit; and - any other matter required by the Secretary.	Yes Yes Yes Yes Yes Yes Yes Not Triggered	All required documents and information is available on the Company website (http://oberonquarries.com.au/).
	b) keep this information up-to-date, to the satisfaction of the Secretary.	Yes	The latest monitoring results and the previous Annual Review are available on the Company's website.

Table A1.2
Environment Protection Licence 4442 – Compliance Review

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Page 1 of 1

Cond. No.	Condition	Compliance	Comments/Notes									
1 – Administrative Conditions												
A1 – What the licence authorises and regulates												
A1.1	This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation. Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition. <table><tr><th>Scheduled Activity</th><th>Fee Based Activity</th><th>Scale</th></tr><tr><td>Crushing, grinding or separating</td><td>Crushing, grinding or separating</td><td>> 100000 - 500000 T annual processing capacity</td></tr><tr><td>Extractive activities</td><td>Land-based extractive activity</td><td>> 100000 - 500000 T annual capacity to extract, process or store</td></tr></table>	Scheduled Activity	Fee Based Activity	Scale	Crushing, grinding or separating	Crushing, grinding or separating	> 100000 - 500000 T annual processing capacity	Extractive activities	Land-based extractive activity	> 100000 - 500000 T annual capacity to extract, process or store	Yes	A total of 304 767t of product was transported off site during the reporting period.
Scheduled Activity	Fee Based Activity	Scale										
Crushing, grinding or separating	Crushing, grinding or separating	> 100000 - 500000 T annual processing capacity										
Extractive activities	Land-based extractive activity	> 100000 - 500000 T annual capacity to extract, process or store										
A2 – Premises or plant to which this licence applies												
A2.1	The licence applies to the following premises: Langley Heights Hard Rock Quarry Hargraves Quarry Road Oberon NSW 2787 LOT 94 DP 757067, LOT 107 DP 757067, LOT 108 DP 757067, LOT 2 DP 845776, LOT 3 DP 845776, LOT 3 DP 1087170 PARISH OF NORWAY, OBERON LOCAL GOVERNMENT AREA	Noted										
A3 – Information supplied to the EPA												
A3.1	Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence. In this condition the reference to "the licence application" includes a reference to: a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence	Noted										

Table A1.2 (Cont'd)
Environment Protection Licence 4442 – Compliance Review

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Cond. No.	Condition	Compliance	Comments/Notes																				
2 – Discharges to Air and Water and Applications to Land																							
P1 – Location of monitoring/discharge points and areas																							
P1.1	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. Air <table border="1"> <thead> <tr> <th>EPA ID No.</th><th>Type of Monitoring Point</th><th>Type of Discharge Point</th><th>Location Description</th></tr> </thead> <tbody> <tr> <td>1</td><td>Dust deposition monitoring</td><td></td><td>Labelled as "D1" in the figure provided by the licensee on 13 May 2018 titled "Licence 4442 - Environmental Monitoring Locations" (DOC18/95523-04).</td></tr> <tr> <td>2</td><td>Dust deposition monitoring</td><td></td><td>Labelled as "D2" in the figure provided by the licensee on 13 May 2018 titled "Licence 4442 - Environmental Monitoring Locations" (DOC18/95523-04)</td></tr> <tr> <td>3</td><td>Dust deposition monitoring</td><td></td><td>Labelled as "D3" in the figure provided by the licensee on 13 May 2018 titled "Licence 4442 - Environmental Monitoring Locations" (DOC18/95523-04).</td></tr> <tr> <td>4</td><td>Dust deposition monitoring</td><td></td><td>Labelled as "D4" in the figure provided by the licensee on 13 May 2018 titled "Licence 4442 - Environmental Monitoring Locations" (DOC18/95523-04).</td></tr> </tbody> </table>	EPA ID No.	Type of Monitoring Point	Type of Discharge Point	Location Description	1	Dust deposition monitoring		Labelled as "D1" in the figure provided by the licensee on 13 May 2018 titled "Licence 4442 - Environmental Monitoring Locations" (DOC18/95523-04).	2	Dust deposition monitoring		Labelled as "D2" in the figure provided by the licensee on 13 May 2018 titled "Licence 4442 - Environmental Monitoring Locations" (DOC18/95523-04)	3	Dust deposition monitoring		Labelled as "D3" in the figure provided by the licensee on 13 May 2018 titled "Licence 4442 - Environmental Monitoring Locations" (DOC18/95523-04).	4	Dust deposition monitoring		Labelled as "D4" in the figure provided by the licensee on 13 May 2018 titled "Licence 4442 - Environmental Monitoring Locations" (DOC18/95523-04).	Noted	
EPA ID No.	Type of Monitoring Point	Type of Discharge Point	Location Description																				
1	Dust deposition monitoring		Labelled as "D1" in the figure provided by the licensee on 13 May 2018 titled "Licence 4442 - Environmental Monitoring Locations" (DOC18/95523-04).																				
2	Dust deposition monitoring		Labelled as "D2" in the figure provided by the licensee on 13 May 2018 titled "Licence 4442 - Environmental Monitoring Locations" (DOC18/95523-04)																				
3	Dust deposition monitoring		Labelled as "D3" in the figure provided by the licensee on 13 May 2018 titled "Licence 4442 - Environmental Monitoring Locations" (DOC18/95523-04).																				
4	Dust deposition monitoring		Labelled as "D4" in the figure provided by the licensee on 13 May 2018 titled "Licence 4442 - Environmental Monitoring Locations" (DOC18/95523-04).																				
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 or 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. Water and land <table border="1"> <thead> <tr> <th>EPA ID No.</th><th>Type of Monitoring Point</th><th>Type of Discharge Point</th><th>Location Description</th></tr> </thead> <tbody> <tr> <td>7</td><td>Discharge to waters; water quality monitoring</td><td>Discharge to waters; water quality monitoring</td><td>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)</td></tr> </tbody> </table>	EPA ID No.	Type of Monitoring Point	Type of Discharge Point	Location Description	7	Discharge to waters; water quality monitoring	Discharge to waters; water quality monitoring	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													
EPA ID No.	Type of Monitoring Point	Type of Discharge Point	Location Description																				
7	Discharge to waters; water quality monitoring	Discharge to waters; water quality monitoring	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)																				
3 – Limit Conditions																							
L1 – Pollution of waters																							
L1.1	Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.	Yes	No pollution events were recorded during the reporting period.																				

Table A1.2 (Cont'd)
Environment Protection Licence 4442 – Compliance Review

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Cond. No.	Condition	Compliance	Comments/Notes																								
3 – Limit Conditions (Cont'd)																											
L2 – Concentration limits																											
L2.1	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.	Yes	No water monitoring results exceeded the relevant trigger levels during the reporting period.																								
L2.2	Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.	Yes	No water monitoring results exceeded the relevant trigger levels during the reporting period.																								
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.	Noted																									
L2.4	Water and/or Land Concentration Limits Point 7	Yes	No water monitoring results exceeded the relevant trigger levels during the reporting period.																								
	<table><tr><th>Pollutant</th><th>Units of Measure</th><th>50 percentile concentration limit</th><th>90 percentile concentration limit</th><th>3DGM concentration limit</th><th>100 percentile concentration limit</th></tr><tr><td>Oil and Grease</td><td>milligrams per litre</td><td></td><td></td><td></td><td>10</td></tr><tr><td>pH</td><td>pH</td><td></td><td></td><td></td><td>6.5-8.5</td></tr><tr><td>Total suspended solids</td><td>milligrams per litre</td><td></td><td></td><td></td><td>50</td></tr></table>	Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit	Oil and Grease	milligrams per litre				10	pH	pH				6.5-8.5	Total suspended solids	milligrams per litre				50		
Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit																						
Oil and Grease	milligrams per litre				10																						
pH	pH				6.5-8.5																						
Total suspended solids	milligrams per litre				50																						
L3 – Waste																											
L3.1	The licensee must not cause, permit or allow any waste generated outside the premises to be received at the premises for storage, treatment, processing, reprocessing or disposal or any waste generated at the premises to be disposed of at the premises, except as expressly permitted by the licence.	Yes	No waste was accepted at the Quarry during the reporting period.																								
L3.2	This condition only applies to the storage, treatment, processing, reprocessing or disposal of waste at the premises if it requires an environment protection licence.	Noted																									
L4 – Noise limits																											
L4.1	Noise from the premises must not exceed: a) 36 dB(A) LAeq(15 minute) during the day (7am to 6pm) Monday to Friday and 7.00am to 5.00pm Saturday ; and b) 35 dB(A) LAeq(15 minute) during the evening (6pm to 10pm) Monday to Friday; and c) at all other times 35 dB(A) LAeq (15 minute), except as expressly provided by this licence. 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.	Yes	Noise agreements have been established between the Company and residences R5, R6 and R8. The Company owns residences R1 to R4. The discontinuation of noise monitoring was approved by the Secretary on 2 February 2017. No noise-related complaints were received during the reporting period.																								

Table A1.2 (Cont'd)
Environment Protection Licence 4442 – Compliance Review

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Cond. No.	Condition	Compliance	Comments/Notes
3 – Limit Conditions (Cont'd)			
L4 – Noise limits (Cont'd)			
L4.2	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)".	Noted	
L5 – Blasting			
L5.1	The airblast 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.	No	Twelve production blasts were undertaken during the reporting period. Two blast events during the reporting period exceeded the 115dB(Lin Peak) limit, representing 17% of total blasts.
L5.2	The airblast 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.	Yes	Blast monitoring results did not exceed 120dB during the reporting period.
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.	Yes	Blast monitoring results did not exceed the relevant criteria during the reporting period.
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.	Yes	Blast monitoring results did not exceed the relevant criteria during the reporting period.
L6 – Hours of operation			
L6.1	All work at the premises must be conducted between the following hours: Quarrying and processing 7.00am to 6.00pm Mondays to Fridays, 7.00am to 5.00pm Saturdays. Other activities (loading trucks/product delivery) 6.00am to 10.00pm Mondays to Fridays, 6.00am to 5.00pm Saturdays.	Yes	All work at the Quarry was undertaken within the approved hours. No complaints regarding activities outside of approved hours were received during the reporting period.

Table A1.2 (Cont'd)
Environment Protection Licence 4442 – Compliance Review

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Cond. No.	Condition	Compliance	Comments/Notes
4 – Operating Conditions			
O1 – Activities must be carried out in a competent manner			
O1.1	Licensed activities must be carried out in a competent manner. This includes: a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.	Yes Yes	The 2019 audit notes that activities observed during the site inspection were generally undertaken in a competent manner. Waste batteries and oil are stored safely for removal and/or recycling. Un-useable derelict equipment is identified and suitably processed for removal.
O2 – Maintenance of plant and equipment			
O2.1	All plant and equipment installed at the premises or used in connection with the licensed activity: a) must be maintained in a proper and efficient condition; and b) must be operated in a proper and efficient manner.	Yes	Plant and equipment are inspected by the Quarry Manager weekly and any maintenance requirements are recorded. No complaints regarding plant or equipment operation were received during the reporting period.
O3 – Dust			
O3.1	The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.	Yes	All controls outlined in the approved Air Quality management Plan were implemented during the reporting period.
O4 – Other operating conditions			
O4.1	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.	Not Triggered	No discharge was required from Sediment Basin 3 (Point 7) during the reporting period.
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 discharge limits specified under condition L2.4 for licence discharge point 7.	Not Triggered	
O4.3	The licensee must undertake maintenance to desilt all sediment ponds to retain their design storage capacities.	Yes	Drainage structures were regularly maintained during the reporting period.
5 – Monitoring and Recording Conditions			
M1 – Monitoring records			
M1.1	The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.	Yes	All required information is recorded and published on the Company website.
M1.2	All records required to be kept by this licence must be: a) in a legible form, or in a form that can readily be reduced to a legible form;	Yes	All required information is recorded and published on the Company website.

Table A1.2 (Cont'd)
Environment Protection Licence 4442 – Compliance Review

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Cond. No.	Condition	Compliance	Comments/Notes		
5 – Monitoring and Recording Conditions (Cont'd)					
M1 – Monitoring records (Cont'd)					
	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.				
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.	Yes	All required information is maintained by the Company.		
M2 – Requirement to monitor concentration of pollutants discharged					
M2.1	For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:	Yes	The appropriate methods were employed at the Quarry during the reporting period.		
M2.2	Air Monitoring Requirements Point 1, Point 2, Point 3, Point 4		The specified monitoring method was employed during the reporting period.		
	Pollutant	Units of measure		Frequency	Sampling Method
	Particulates - Deposited Matter	grams per square metre per month		Monthly	AM-19
M2.3	Water and/ or Land Monitoring Requirements Point 7		Not Triggered		
	Pollutant	Units of measure		Frequency	Sampling Method
	Oil and Grease	milligrams per litre		Weekly during any discharge	Grab sample
	pH	pH		Weekly during any discharge	Grab sample
	Total suspended solids	milligrams per litre		Weekly during any discharge	Grab sample
M3 – Testing methods - concentration limits					
M3.1	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	Yes	The specified monitoring method was employed during the reporting period.		

Table A1.2 (Cont'd)
Environment Protection Licence 4442 – Compliance Review

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Cond. No.	Condition	Compliance	Comments/Notes
5 – Monitoring and Recording Conditions (Cont'd)			
M3 – Testing methods - concentration limits (Cont'd)			
M3.1 (Cont'd)	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.		
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.	Yes	The specified monitoring method was employed during the reporting period.
M4 – Recording of pollution complaints			
M4.1	The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.	Yes	A summary of complaints received at the Quarry is available on the Company website and in Section 9 of this Annual Review.
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.	Yes	All required information is maintained by the Company.
M4.3	The record of a complaint must be kept for at least 4 years after the complaint was made.	Yes	The company developed a formal complaint register during this reporting period.
M4.4	The record must be produced to any authorised officer of the EPA who asks to see them.	Noted	
M5 – Telephone complaints line			
M5.1	The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.	Yes	The contact number for the Quarry is published on the Company website, Quarry trucks and at the site entrance.
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.	Yes	The contact number for the Quarry is published on the Company website.
M5.3	The preceding two conditions do not apply until 3 months after the date of the issue of this licence.	Noted	

Table A1.2 (Cont'd)
Environment Protection Licence 4442 – Compliance Review

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Cond. No.	Condition	Compliance	Comments/Notes
6 – Reporting Conditions			
R1 – Annual return documents			
R1.1	The licensee must complete and supply to the EPA an Annual Return in the approved form comprising: 1. a Statement of Compliance, 2. a Monitoring and Complaints Summary, 3. a Statement of Compliance - Licence Conditions, 4. a Statement of Compliance - Load based Fee, 5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan, 6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and 7. a Statement of Compliance - Environmental Management Systems and Practices. At the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.	Yes	An Annual Return covering the periods from 11/01/2019 to 10/01/2020 was submitted during the reporting period.
R1.2	An Annual Return must be prepared in respect of each reporting period, except as provided below.	Yes	An Annual Return covering the period from 11/01/2019 to 10/01/2020 was submitted during the reporting period.
R1.3	Where this licence is transferred from the licensee to a new licensee: a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.	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 of the licence - the date from which notice revoking the licence operates.	Noted	

Table A1.2 (Cont'd)
Environment Protection Licence 4442 – Compliance Review

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Cond. No.	Condition	Compliance	Comments/Notes
6 – Reporting Conditions (Cont'd)			
R1 – Annual return documents (Cont'd)			
R1.5	The Annual Return for the reporting period must be supplied to the EPA via eConnect EPA or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').	Yes	The Annual Return for the period 11/01/2019 to 10/01/2020 was submitted within the required period.
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.	Yes	Records of Annual Returns are maintained by the Company.
R1.7	Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by: a) the licence holder; or b) by a person approved in writing by the EPA to sign on behalf of the licence holder.	Yes	The Annual Return was submitted by the licence holder.
R2 – Notification of environmental harm			
R2.1	Notifications must be made by telephoning the Environment Line service on 131 555.	Not Triggered	
R2.2	The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.	Not Triggered	
R3 – Written Report			
R3.1	Where an authorised officer of the EPA suspects on reasonable grounds that: a) where this licence applies to premises, an event has occurred at the premises; or b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence, and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.	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.	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;	Not Triggered	

Table A1.2 (Cont'd)
Environment Protection Licence 4442 – Compliance Review

Page 10 of 10

Cond. No.	Condition	Compliance	Comments/Notes
6 – Reporting Conditions (Cont'd)			
R3 – Written Report (Cont'd)			
	d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort; e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants; f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and g) any other relevant matters.		
R3.4	The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.	Noted	
7 – General Conditions			
G1 – Copy of licence kept at the premises or plant			
G1.1	copy of this licence must be kept at the premises to which the licence applies.	Yes	A copy of EPL 4442 is kept at the Quarry.
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.	Yes	An electronic and hard copy of EPL 4442 is kept at the Quarry.

Table A1.3
Water Access Licence (WAL) 34279 – Compliance Review

Page 1 of 2

Cond. No.	Condition	Compliance	Comments/Notes
Take of Water			
MW0112-00001	The maximum water allocation that may be carried over in the account for this access licence from one water year to the next water year is: A. a volume equal to 100 % of the share component of the licence, or B. 1 ML/unit share of the share component of the licence.	Noted	
MW0605-00001	Water must be taken in compliance with the conditions of the approval for the nominated work on this access licence through which water is to be taken.	Noted	No water was extracted under WAL 34279 during the reporting period. Therefore, water take did not exceed the allocation.
MW0036-00001	The volume of water taken in any three (3) consecutive water years from 1 July 2013 must be recorded in the logbook at the end of those three water years. The maximum volume of water permitted to be taken in those years must also be recorded in the logbook.	Yes	A logbook containing the relevant information is maintained at the Quarry.
MW0004-00001	From 1 July 2013, the total volume of water taken in any three (3) consecutive water years under this access licence must not exceed a volume which is equal to the lesser of either: A. the sum of: i. water in the account from the available water determinations in those 3 consecutive water years, plus ii. water in the account carried over from the water year prior to those 3 consecutive water years, plus iii. any net amount of water assigned to or from this account under a water allocation assignment in those 3 consecutive water years, plus iv. any water re-credited by the Minister to the account in those 3 consecutive water years, or B. the sum of: i. the share component of this licence at the beginning of the first year in those 3 consecutive water years, plus ii. the share component of this licence at the beginning of the second year in those 3 consecutive water years, plus	Yes	No water was extracted under WAL 34279 during the reporting period. Therefore, water take did not exceed the allocation. No water take under WAL 34279 was recorded in either the 2019 or 2018 Annual Reviews for the Quarry.

Table A1.3 (Cont'd)
Water Access Licence (WAL) 34279 – Compliance Review

Page 2 of 2

Cond. No.	Condition	Compliance	Comments/Notes
Take of Water (Cont'd)			
	iii. the share component of this licence at the beginning of the third year in those 3 consecutive water years, plus iv. any net amount of water assigned to or from this account under a water allocation assignment in those 3 consecutive water years, plus v. any water re-credited by the Minister to the account in those 3 consecutive water years.		
Monitoring and recording			
MW2338-00001	The completed logbook must be retained for five (5) years from the last date recorded in the logbook.	Yes	A logbook containing the relevant information is maintained at the Quarry.
MW2336-00001	The purpose or purposes for which water is taken, as well as details of the type of crop, area cropped, and dates of planting and harvesting, must be recorded in the logbook each time water is taken.	Yes	A logbook containing the relevant information is maintained at the Quarry.
MW2337-00001	The following information must be recorded in the logbook for each period of time that water is taken: A. date, volume of water, start and end time when water was taken as well as the pump capacity per unit of time, and B. the access licence number under which the water is taken, and C. the approval number under which the water is taken, and D. the volume of water taken for domestic consumption and/or stock watering.	Yes	A logbook containing the relevant information is maintained at the Quarry.
MW2339-00001	A logbook must be kept, unless the work is metered and fitted with a data logger. The logbook must be produced for inspection when requested by the relevant licensor.	Yes	A logbook containing the relevant information is maintained at the Quarry.
Reporting			
MW0051-00002	Once the licence holder becomes aware of a breach of any condition on this access licence, the licence holder must notify the Minister as soon as practicable. The Minister must be notified by: A. email: water.enquiries@dpi.nsw.gov.au, or B. telephone: 1800 353 104. Any notification by telephone must also be confirmed in writing within seven (7) business days of the telephone call.	Not Triggered	

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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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Appendix A — Compliance Table

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Appendix C – Auditor Approval Letter

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
<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> <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> <i>Note.</i> <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> <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>	
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	Compliance - 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	Non-Compliance - 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. 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.
Not Triggered	Not Applicable / Not Triggered 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: • 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: • 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	Generally, DPIE do not have concerns about the operation issues that should be covered in the Audit include: • 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
			Quarries' dust management procedures, and adherence to them, could be an area for your audit to look in to. 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. 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.	
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	The Proponent shall ensure that blasting on the site does not cause exceedances of the criteria in Table 3. 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	Seven production blasts were undertaken in the 2017 calendar year. One exceedance 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).	1. Review the blasting procedures to determine the causes of the exceedances and modify the blasting procedures as necessary.	Low
S3.10	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.	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. Dust deposition testing over the Audit Period: no exceedances were detected in 2019 (year to date), 2018 or 2017.	Expand the air quality monitoring program to include TSP and Particulate Matter monitoring.	Low
S3.11	The Proponent shall: (a) implement best practice management to minimise the dust emissions of the development;	The AQMP details the controls to be implemented. All controls except the use of the wheel wash are able to be implemented. There appears to be no provision dust control in pit stockpiles.	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.	Low
S3.11	The Proponent shall: (c) minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see noted under Table 4);	No procedure has been developed (and documented in the AQMP) to minimise dust impacts during adverse meteorological (and other) conditions.	Develop and implement a procedure minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events and document	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: • 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:	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.	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:	Section 7 of the Landscape and Rehabilitation Management Plan describes the landscape monitoring that will be undertaken to measure progress and performance. 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.	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.	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
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;	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.	Upload the 2018 versions of the EMS and Plans onto the website.	Administrative non-compliance
Statement of Commitments				
SOC 5	Oberon Quarries has committed to implementing the following dust management and mitigation practices: • mist sprays on conveyors discharging to product	The AQMP details the controls to be implemented. All controls except the use of the wheel wash are able to be implemented. There appears to be no provision dust	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
	stockpiles; • 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	To ensure the archaeological impacts of the quarry are minimised, Oberon Quarries has committed to implementing the following management and mitigation measures: - 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 ham1 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;	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 ham1 or desecration is the subject of an AHIP. There is no "unexpected finds procedure" or training that informs employees or contractors of what to do if an suspected heritage artefact is found.	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 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	Seven production blasts were undertaken in the 2017 calendar year. One exceedance in blast over pressure was recorded. Five production blasts were undertaken during the 2018 Calendar Year. One blast	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	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. Modelling also identified potential exceedances under temperature inversion conditions. 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.	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 m3 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

PLANNING APPROVAL SSD 6333								
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	

PLANNING APPROVAL SSD 6333								
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	

PLANNING APPROVAL SSD 6333								
Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S3.3	Noise Impact Assessment Criteria	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. Table 2: Noise Criteria dB(A) Receivers: All residential receivers Day : (LAeq(15-minute)) - 35 Evening(LAeq(15-minute)) - 35 Night (LAeq(15-minute)) - 35 / (LA1(max)) - 45 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. However, these criteria do not apply if the Proponent has an agreement with the relevant owner(s) to exceed the criteria.	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			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. A noise compliant was received (via DPIE) in 2018. Noise monitoring was last undertaken on 10 February 2017. The noise monitoring undertaken detected non-compliances with the noise limits set in this Condition. 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. It is noted that following the noise complaint referred to above that no noise monitoring was undertaken.	Compliance	1. Ensure that noise monitoring is undertaken following any noise related complaint being received.
S3.4	Operating Conditions	The Proponent shall: (a) implement best practice management to minimise the operational and road transportation noise of the development;	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		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.	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. Best Practice noise management for a quarrying operation would focus on shielding sensitive receivers from noise generating activities.	Compliance	
		(b) minimise the noise impacts of the development during meteorological conditions when the noise criteria in this consent do not apply (see Appendix 4);	1. Noise Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated March 2017.			The Noise Management Plan describes noise mitigation measures to be implemented.	Compliance	

PLANNING APPROVAL SSD 6333								
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	

PLANNING APPROVAL SSD 6333								
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	The Proponent shall ensure that blasting on the site does not cause exceedances of the criteria in Table 3. 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	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 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.
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.	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 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	1. Blast Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017. 2. Complaints Register			Blast Management Controls are described in Section 6 of the Blast Management Plan No blast related complaints were received during the Audit Period.	Compliance	

PLANNING APPROVAL SSD 6333								
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	

PLANNING APPROVAL SSD 6333								
Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S3.10	Air Quality Impact Assessment Criteria	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. 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	1. 2017 EPL Monitoring Report 2. 2018 EPL Monitoring Report 3. 2019 EPL Monitoring Report			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. Dust deposition testing over the Audit Period: no exceedances were detected in 2019 (year to date), 2018 or 2017. Finding: Not Verified.	Non-Compliance	1. Expand the air quality monitoring program to include TSP and Particulate Matter monitoring.
S3.11	Operating Conditions	The Proponent shall: (a) implement best practice management to minimise the dust emissions of the development;	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.	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.	The AQMP details the controls to be implemented. All controls except the use of the wheel wash are able to be implemented. There appears to be no provision dust control in pit stockpiles.	Non-Compliance	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.
		(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;	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			No dust exceedances were detected during the audit period.	Not Triggered	
		(c) minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see noted under Table 4);	1. Air Quality Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2017.			No procedure has been developed (and documented in the AQMP) to minimise dust impacts during adverse meteorological (and other) conditions.	Non-Compliance	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.
		(d) monitor and report on compliance with the relevant air quality conditions in this consent;				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.	Compliance	

PLANNING APPROVAL SSD 6333								
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	

PLANNING APPROVAL SSD 6333								
Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		(d) include an air quality monitoring program that: • 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	

PLANNING APPROVAL SSD 6333									
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;		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. 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.			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;		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. 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.			Correspondence verifying that the EPA and DPI-Water was consulted during the preparation of the Water Management Plan was sighted during the audit.	Compliance	

PLANNING APPROVAL SSD 6333									
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;	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. 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 and Management Plans have been approved by DPIE.	Compliance		
		(d) include a: (i) Site Water Balance that includes: • details of: - 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: • 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: - 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: - o any surface water discharges;	1. Water Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.			Section 4 of the WMP provides Site Water Balance that meets the requirements of this Condition.	Compliance		

PLANNING APPROVAL SSD 6333								
Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		o the effectiveness of the water management system; o maintaining sufficient dirty water storage capacity to avoid discharges of sediment-laden water; and o surface water flows and quality in local watercourses;						
		(iii) Groundwater Management Plan, that includes: • 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	
		Surface and Ground Water Contingency Strategy, that includes: • 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.	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	

PLANNING APPROVAL SSD 6333								
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	

PLANNING APPROVAL SSD 6333								
Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S3.20		Within two weeks of receiving a written request from Council, or as otherwise agreed by Council, the Applicant shall: (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 (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.		1. Interview Jake Hargraves (CFO) - Council have not made any requests for the provision of these materials.		Council have not made any requests for the provision of these materials.	Not Triggered	
S3.21	Transport Management Plan	The Proponent shall prepare and implement a Transport Management Plan to the satisfaction of the Secretary. The plan shall:	1. Transport Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.			The Transport Management Plan was originally prepared in 2016 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. Transport Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.			Both the original and current versions of the Environmental Management Strategy and Management Plans have been approved by DPE.	Compliance	
		(b) include a Drivers' Code of Conduct to minimise the impacts of development-related trucks on local residences and road users; and	1. Transport Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.			Appendix 2 of the Transport Management Plan provides the Drivers' Code of Conduct.	Compliance	
		(c) describe the measures that would be put in place to ensure compliance with the Drivers' Code of Conduct.	1. Transport Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.			Section 4 of the Transport Management Plan details the measures put in place to ensure compliance with the Drivers' Code of Conduct.	Compliance	

PLANNING APPROVAL SSD 6333								
Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S3.22	Rehabilitation Objectives	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: 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	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.	No evidence of excessive land clearing was observed during the audit. No areas of the site were observed in which rehabilitation works were required. Regrowth / revegetation around the pit top was observed.	Compliance	

PLANNING APPROVAL SSD 6333								
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: • 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.

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Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		impacts; • 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.			Section 7 of the Landscape and Rehabilitation Management Plan describes the landscape monitoring that will be undertaken to measure progress and performance. 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.	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:	1. Bank Guarantee (St George Bank) dated 27 September 2018 for \$532,000. Beneficiary is DPIE and the applicant is Oberon Quarries. 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.			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
S3.26		(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	
		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	

PLANNING APPROVAL SSD 6333								
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								

PLANNING APPROVAL SSD 6333								
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 " <i>Oberon Quarry Exceedance of Air Blast Over Pressure (dB(LinPeak)) Criteria on 19 July 2017</i> ", 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 " <i>Oberon Quarry 22 January 2018 Blast</i> ", 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	

PLANNING APPROVAL SSD 6333								
Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S4.2	Independent Review	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. If the Secretary is satisfied that an independent review is warranted, then within two months of the Secretary's decision the Proponent shall: (a) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Secretary, to: (i) consult with the landowner to determine his/ her concerns; (ii) conduct monitoring to determine whether the project is complying with the relevant criteria in Schedule 3; and (iii) if the project is not complying with these criteria then identify measures that could be implemented to ensure compliance with the relevant criteria. (b) give the Secretary and landowner a copy of the independent review.		1. Interview Jake Hargraves (CFO) - no requests for independent reviews have been received.		No requests for independent reviews have been received.	Not Triggered	
S5.1	Environmental Management Strategy	The Proponent shall prepare and implement an Environmental Management Strategy for the project to the satisfaction of the Director-General. The strategy must:	1. Environmental Management Strategy Oberon Quarries Pty Ltd, prepared by Umwelt, dated April 2017.			The Transport Management Plan was originally prepared in 2016 and was updated in 2018.	Compliance	

PLANNING APPROVAL SSD 6333								
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	

PLANNING APPROVAL SSD 6333								
Condition	Short Title	Condition	Document Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
S5.2	Management Plan Requirements	The Proponent shall ensure that the Management Plans required under this approval are prepared in accordance with any relevant guidelines, and include: (a) detailed baseline data; (b) a description of: · 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: · 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: · 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. Note: At the discretion of the Director-General, some of these requirements may be waived where they are either not relevant or necessary.	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.			All plans prepared as a requirement of this Planning Approval meet the requirements of the Condition.	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	Within 3 months of the submission of an: (a) incident report under condition 7 below; (b) annual review under condition 9 below; (c) audit report under condition 10 below; and (d) any modifications to this consent, 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. <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>	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. 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. 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.			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

PLANNING APPROVAL SSD 6333								
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;	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.			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	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 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	

PLANNING APPROVAL SSD 6333								
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.

PLANNING APPROVAL SSD 6333								
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	

PLANNING APPROVAL SSD 6333								
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 " <i>Oberon Quarry Continuation Project (SSD 6333)</i> ", 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 " <i>Oberon Quarry Continuation Project (SSD 6333)</i> ", 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	
S5.12	Access to Information	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	
		(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" <i>Oberon Quarry concerns regards to operating outside of hours</i> ", dated 289 October 2018. 3. Email from Oberon Quarries titled " <i>RE: Oberon Quarry concerns regards to operating outside of hours</i> " 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 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 out side 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	Oberon Quarries has committed to implementing the following dust management and mitigation practices: - 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 • 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.	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.	The AQMP details the controls to be implemented. All controls except the use of the wheel wash are able to be implemented. There appears to be no provision dust control in pit stockpiles.	Non-Compliance	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.

STATEMENT OF COMMITMENTS									
Reference	Short Title	Condition		Documents Reviewed	Interviews / Conversations	Inspections / Observations	Assessment	Compliance Finding	Recommendation
		be maintained to be fully functional; • 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).							
		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.		1. Air Quality Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated May 2017.			The four dust deposition monitoring sites are being monitored monthly.	Compliance	
SOC 6	Surface Water	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): The samples are analysed for pH, conductivity, turbidity, non-filterable residue (NFR), total nitrogen (TKN), total phosphorus (TP), and total petroleum hydrocarbons (TPH).		1. Water Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.			Surface water Sampling and Testing is being undertaken in accordance with the requirements of the EPL.	Compliance	
SOC 7	Groundwater	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.		1. Water Management Plan Oberon Quarries Pty Ltd, prepared by Umwelt, dated August 2017.			Ground water Sampling and Testing is being undertaken in accordance with the requirements of the EPL.	Compliance	
SOC 8	Traffic and Transport	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).		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	

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: • 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: - 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				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. There is no "unexpected finds procedure" or training that informs employees or contractors of what to do if a suspected heritage artefact is found.	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
		OEH and the relevant Aboriginal parties will be contacted so that appropriate management strategies can be identified;						
		• 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): - 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. This process functions only to appropriately identify the remains and secure the site. From this time, the					No heritage artefacts have been found on the site.	Not Triggered

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	Noise from the premises must not exceed: a) 36 dB(A) LAeq(15 minute) during the day (7am to 6pm) Monday to Friday and 7.00am to 5.00pm Saturday ; and b) 35 dB(A) LAeq(15 minute) during the evening (6pm to 10pm) Monday to Friday; and c) at all other times 35 dB(A) LAeq (15 minute), except as expressly provided by this licence. 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. 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.		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			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. A noise compliant was received (via DPIE) in 2018. Noise monitoring was last undertaken on 10 February 2017. The noise monitoring undertaken detected non-compliances with the noise limits set in this Condition. 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. It is noted that following the noise complaint referred to above that no noise monitoring was undertaken.	Compliance	
L4.2		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)".						Noted	
L5.1	Blasting	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.		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 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.

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.				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 ap[appropriately licenced waste contractor.
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.	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.	The AQMP details the controls to be implemented. All controls except the use of the wheel wash are able to be implemented. There appears to be no provision dust control in pit stockpiles.	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	Monitoring Records	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		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 (7Novemebr 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/prpoeo/app/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	Notification of Environmental Harm	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		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

30 March 2020

Department of Planning and Environment
GPO BOX 39
SYDNEY NSW 2001

RE: Oberon Quarries Pty Ltd 2019 Independent Environmental Audit (SSD_6333)

In accordance with Schedule 5, Condition 11, of the Oberon Quarries Pty Ltd (OQ) Continuation Project Development Consent (SSD_6333) (the consent), please find enclosed the Oberon Quarries Pty Ltd (OQ) Independent Environmental Audit. The audit was undertaken by Ken Holmes of Barnett & May, in accordance with Schedule 5, Condition 10, of the consent and was provided to Oberon Quarry on 10th of January 2020.

The audit identified Eighteen non-compliance, Fifteen administrative non-compliances. These findings are reproduced in **Table 1** below, together with Oberon Quarries Pty Ltd response for your reference.

Oberon Quarries Pty Ltd acknowledges to resolve any issues in the findings in reasonable timeframe. We note progress of a reply to audit findings has been delayed due to uncontrollable events which has impacted Oberon Quarries operation, management and employees in 2020 including Drought, Bushfires, Floods and COVID19.

Nevertheless, we look forward to improving on agreed items and moving forward into future during these unsettling times.

Please do not hesitate to contact me if you have any questions on 0425 371 787.

Yours sincerely



Jake Hargraves
CFO

TABLE 1 – Independent Environmental Audit Non-Compliances Finding and Plan of Action

Issue No.	Project Approval Condition	Requirement	Audit Finding	Oberon Quarry Audit Response
Identified Administrative Non-Compliance				
A-01	Section 2 Condition 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.	OQ has responded to all audit findings.
A-02	Section 2 Condition 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.	Last surveyor report conveyed depth of 1154m. No extraction has occurred beyond this point which would warrant additional surveyor report to be produced. OQ confirms it has not extracted below level of 1125m.
A-03	Section 2 Condition 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.	OQ disagrees surveyor plan was produced by central west surveying and submitted by OQ depicting boundaries and depth.
A-05	Section 3 Condition 11	The Proponent shall: (c) minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see noted under Table 4);	No procedure has been developed (and documented in the AQMP) to minimise dust impacts during adverse meteorological (and other) conditions.	Historically OQ has never been impacted by adverse meteorological conditions (e.g. drought). OQ agrees and will action review of AQMP to include adverse meteorological conditions.



TABLE 1 – Independent Environmental Audit Non-Compliances Finding and Plan of Action

A-06	Section 3 Condition 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.	OQ will conduct a review into feasibility of actioning measures to reduce greenhouse emissions.
A-07	Section 3 Condition 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 plan and relevant conditions of this consent	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.	OQ meet bond requirements on 27 July 2018. No further action required.
A-08	Section 4 Condition 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.	OQ – Letters were provided to affected landowners, these have been uploaded to file sharing platform.



TABLE 1 – Independent Environmental Audit Non-Compliances Finding and Plan of Action

A-09	Section 5 Condition 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 EP&A Regulation.	Refer to Non-Compliances listed above.	OQ – Non-Compliance above addressed via tabled replies.
A-10	Section 5 Condition 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.	OQ – Has addressed all annual returns and dedicated staff have been employed to improve efficiency of administration reporting requirements going forward.
A-11	Section 5 Condition 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;	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.	OQ – Website administration issues have been addressed and utilisation of cloud computing has been adopted to further improve this process.

**TABLE 1 – Independent Environmental Audit Non-Compliances Finding and Plan of Action**

A-12	Statement of commitments NO.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.	OQ will conduct review into feasibility of actioning measures to reduce greenhouse emissions from site given small business structuring of OQ.
A-13	EPL 4442 M1.3	The following records must be kept in respect of any samples required to be collected for the purposes of this license: 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.	OQ – Records on review include details outlined in points a,b,c,d as required per condition.
A-14	EPL 4442 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.	OQ received one complaint via letter which was retained, reviewed, actioned and resolved. No further complaints were received in relation to this.



TABLE 1 – Independent Environmental Audit Non-Compliances Finding and Plan of Action

A-15	EPL 4442 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.	OQ has developed complaint register.
A-16	EPL 4442 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 license 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.	OQ has addressed all annual returns and dedicated staff have been employed to improve efficiency of administration reporting requirements.
Identified Non-Compliance				
N-01	Section 3 Condition 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.	OQ – No change in operations or events have occurred which would warrant noise monitoring to be reinstated.



TABLE 1 – Independent Environmental Audit Non-Compliances Finding and Plan of Action

N-02	Section 3 Condition 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, an assessment of monitoring data has not been undertaken.	OQ – No change in operations or event have occurred which would warrant noise monitoring to be reinstated.
N-03	Section 3 Condition 6	The Proponent shall ensure that blasting on the site does not cause exceedances of the criteria in Table 3. 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	Seven production blasts were undertaken in the 2017 calendar year. One exceedance 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).	OQ – In our view the Isolated over blast events occurrences dose not warrant change in approach as subsequently to isolated events all blast has been within requirements. Consequently, OQ accepts current blasting methods/procedures are effective.
N-04	Section 3 Condition 10	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.	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. Dust deposition testing over the Audit Period: no exceedances were detected in 2019 (year to date), 2018 or 2017.	OQ has meet all dust monitoring requirements. Dust has been controlled as displayed by testing results. OQ given its a silica/asbestos free basalt deposit will investigate inclusion of TPS/Particle Matter testing in dust monitoring management plan.



TABLE 1 – Independent Environmental Audit Non-Compliances Finding and Plan of Action

N-05	Section 3 Condition 11	The Proponent shall: (a) implement best practice management to minimise the dust emissions of the development;	The AQMP details the controls to be implemented. All controls except the use of the wheel wash are able to be implemented. There appears to be no provision dust control in pit stockpiles.	OQ established hard stand surfaces and with availability of recommissioned wheel wash to address adverse conditions. Historically no incidents of dust or loose product leaving site have been reported. Stockpiles dust suppression is via watercart, stockpiles are located within pit thus not subject to disturbances requiring further controls.
N-06	Section 3 Condition 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: • 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.	OQ has meet dust monitoring requirements. Dust has been controlled as displayed by testing results. Silica/asbestos free basalt deposit OQ will investigate inclusion of TPS/Particle Matter testing in dust monitoring management plan.
N-07	Section 3 Condition 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.	OQ – Has addressed this item in above responses.



TABLE 1 – Independent Environmental Audit Non-Compliances Finding and Plan of Action

N-08	Section 3 Condition 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 are 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.	OQ disagrees no loose material or dust has been recorded as leaving site. Combination of dedicated weighbridge, hardstand surfaces and sealed haul road has resulted in no event of loose material or dust leaving site from trucks.
N-09	Section 3 Condition 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:	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.	OQ disagrees weeds are actively monitored and sprayed by contractor Eurogreen. OQ – Rehabilitation monitoring is not required as site is been actively mined and no areas have been identified as starting rehabilitation process. Consequently, establishment of rehabilitation monitoring or action is void at this stage.
N-10	Section 3 Condition 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:	Section 7 of the Landscape and Rehabilitation Management Plan describes the landscape monitoring that will be undertaken to measure progress and performance. 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.	OQ – Rehabilitation monitoring is not required as site is still been actively mined and no areas have been identified as starting rehabilitation process. Consequently, establishment of rehabilitation monitoring or action is void at this stage.



TABLE 1 – Independent Environmental Audit Non-Compliances Finding and Plan of Action

N-11	Section 3 Condition 28	The Applicant shall: (b) minimise the waste generated by the development;	There is no program in place to minimise wastes.	OQ agrees no formal waste management plan exists. Minimal waste is generated as most material is recycled. OQ will investigate creation of Waste Management Plan.
N-12	Section 3 condition 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.	OQ has actioned the cleaned-up batteries, oil and identified unusable derelict equipment. OQ notes most equipment is retained as usable stocked parts for operational equipment.
N-13	Statement of commitments NO.5	Oberon Quarries has committed to implementing the following dust management and mitigation practices: o mist sprays on conveyors discharging to product stockpiles; • undertaking preventative maintenance on all dust suppression plant and equipment; • truck wheel wash facility will be maintained to be fully functional;	The AQMP details the controls to be implemented. All controls except the use of the wheel wash are able to be implemented. There appears to be no provision dust control in pit stockpiles.	OQ has implemented hard stand surfaces and with availability of recommissioned wheel wash to address adverse conditions. Historically no incidents of dust or loose product leaving quarry have been reported. Stockpiles dust suppression is via watercart and stockpiles are located within pit thus not subject to high winds or disturbances requiring further controls.



TABLE 1 – Independent Environmental Audit Non-Compliances Finding and Plan of Action

N-14	Statement of commitments NO.10	To ensure the archaeological impacts of the quarry are minimised, Oberon Quarries has committed to implementing the following management and mitigation measures: 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 meters of the object(s) and OEHL and the relevant Aboriginal parties will be contacted so that appropriate management strategies can be identified;	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. There is no "unexpected finds procedure" or training that informs employees or contractors of what to do if a suspected heritage artefact is found.	OQ policy for section 86 requirement of the NPW act is within formal induction program completed by all personnel. OQ agree this can be revised via Toolbox meetings and training.
N-15	EPL 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 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 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).	OQ – In our view Isolated over blast events occurrences do not warrant change in approach as subsequently to the isolated events all blast has been within requirements. Thus, OQ view is the current blasting methods/procedures are effective.



TABLE 1 – Independent Environmental Audit Non-Compliances Finding and Plan of Action

N-16	EPL 4442 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).	OQ – In our view Isolated over blast events occurrences dose not warrant change in approach as subsequently to isolated event all blast has been within requirement. Thus, our view current blasting methods/procedures are effective
N-17	EPL 4442 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.	OQ has actioned the cleanup of batteries, oil and identified unusable derelict equipment. OQ notes most equipment is retained as reusable stocked parts for operational equipment or fixed plant.
N-18	EPL 4442 O3.0	Licensed activities must be carried out in a competent manner. This includes: The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.	The AQMP details the controls to be implemented. All controls except the use of the wheel wash are able to be implemented. There appears to be no provision dust control in pit stockpiles.	As pervious comment.

Appendix 2

Development Consent SSD_6333

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Development Consent

Section 89E of the *Environmental Planning and Assessment Act 1979*

As delegate of the Minister for Planning, I approve the development application referred to in Schedule 1, subject to the conditions in Schedules 2 to 5.

These conditions are required to:

- prevent, minimise, and/or offset adverse environmental impacts;
- set standards and performance measures for acceptable environmental performance;
- require regular monitoring and reporting; and
- provide for the on-going environmental management of the development.



Oliver Holm
Executive Director
Resource Assessments and Compliance

Sydney

14 / 7 /

2015

SCHEDULE 1

Application Number

SSD_6333

Applicant

Oberon Quarries Pty Ltd

Consent Authority:

Minister for Planning

Land:

Lot 3 DP1087170 (formerly Lot 1 DP845776)
Lot 2 DP1087170
Lot 3 DP845776
Lot 94 DP757067
Lot 107 DP757067
Lot 108 DP757067

Development

Oberon Quarry Continuation Project

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DEFINITIONS

Annual Review	The review required by condition 9 of Schedule 5
Applicant	Oberon Quarries Pty Ltd, or any other person/s who rely on this consent to carry out the development that is subject to this consent
BCA	Building Code of Australia
Conditions of consent	Conditions contained in Schedules 2 to 5
Construction	The demolition of buildings or works, carrying out of works and erection of buildings covered by this consent
Council	Oberon Council
Day	The period from 7am to 6pm on Monday to Saturday, and 8am to 6pm on Sundays and Public Holidays
Department	Department of Planning and Environment
Development	The development as described in the documents in condition 2 of Schedule 2
DPI-Water	Department of Primary Industries - Water
DRE	Division of Resources and Energy (within the Department of Trade and Investment, Regional Infrastructure and Services)
EIS	Environmental Impact Statement titled <i>Proposed Extended Life of Operations and Development Changes to Oberon Quarry</i> , dated January 2015, as modified by the Response to Submissions titled, <i>SSD 6333 – Oberon Quarry Continuation Project Modification</i> , dated 27 July 2015
EPA	NSW Environment Protection Authority
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EP&A Regulation	<i>Environmental Planning and Assessment Regulation 2000</i>
EPL	Environment Protection Licence issued under the POEO Act
Evening	The period from 6pm to 10pm
Feasible	Feasible relates to engineering considerations and what is practical to build or implement
GPS	Global Positioning System
Incident	A set of circumstances that: • causes or threatens to cause material harm to the environment; and/or • breaches or exceeds the limits or performance measures/criteria in this consent
Laden trucks	Trucks transporting quarry products from the site
Land	As defined in the EP&A Act, except where the term is used in the noise and air quality conditions in Schedules 3 and 4 of this consent, where it is defined as the whole of a lot, or contiguous lots owned by the same landowner, in a current plan registered at the Land Titles Office at the date of this consent
m AHD	metres Australian Height Datum
Material harm to the environment	Actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial
Minister	Minister for Planning, or delegate
Mitigation	Activities associated with reducing the impacts of the development prior to or during those impacts occurring
Night	The period from 10pm to 7am on Monday to Saturday, and 10pm to 8am on Sundays and Public Holidays
POEO Act	<i>Protection of the Environment Operations Act 1997</i>
Privately-owned land	Land that is not owned by a public agency or the Applicant (or its subsidiary)
Public infrastructure	Linear and other infrastructure that provides services to the general public, such as roads, railways, water supply, drainage, sewerage, gas supply, electricity, telephone, telecommunications, etc.
Quarrying operations	The extraction, processing and transportation of extractive materials on the site and the associated removal of vegetation, topsoil and overburden
Reasonable	Reasonable relates to the application of judgement in arriving at a decision, taking into account: mitigation benefits, cost of mitigation versus benefits provided, community views and the nature and extent of potential improvements
Rehabilitation	The restoration of land disturbed by the development to a good condition and for the purpose of establishing a safe, stable and non-polluting environment
RMS	Roads and Maritime Services
Secretary	Secretary of the Department, or nominee
Site	The land described in Schedule 1
Statement of Commitments	The Applicant's commitments in Appendix 2

SCHEDULE 2 ADMINISTRATIVE CONDITIONS

OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT

1. In addition to meeting the specific performance measures and criteria established under this consent, the Applicant 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 development.

TERMS OF CONSENT

2. The Applicant shall carry out the development:
 - (a) generally in accordance with the EIS;
 - (b) in accordance with the Development Layout and Statement of Commitments; and
 - (c) in accordance with the conditions of this consent.

Notes:

- *The Development Layout is shown in the figures in Appendix 1.*
- *The Statement of Commitments is reproduced in Appendix 2.*

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 consent shall prevail to the extent of any inconsistency.
4. The Applicant shall comply with any reasonable requirement/s of the Secretary arising from the Department's assessment of:
 - (a) any strategies, plans, programs, reviews, audits, reports or correspondence that are submitted in accordance with this consent;
 - (b) any reviews, reports or audits undertaken or commissioned by the Department regarding compliance with this consent; or
 - (c) the implementation of any actions or measures contained in these documents.

LAPSING OF CONSENT

5. If the development has not been physically commenced within 5 years of the date of this consent, then this development consent shall lapse.

LIMITS ON CONSENT

Quarrying Operations

6. The Applicant shall not extract extractive materials below a level of 1125 m AHD.
7. The Applicant may carry out quarrying operations on the site until 30 August 2045.

Note: Under this consent, the Applicant is required to rehabilitate the site and carry out additional undertakings to the satisfaction of the Secretary. Consequently, this consent will continue to apply in all other respects other than the right to conduct quarrying operations until the rehabilitation of the site and those undertakings have been carried out to a satisfactory standard.

Production Limits

8. The Applicant shall not transport more than 400,000 tonnes of quarry products from the site in any calendar year.
9. The Applicant shall not transport more than 3,000 tonnes of quarry products from the site on any day.

SURRENDER OF EXISTING DEVELOPMENT CONSENTS

10. 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.

Note: This requirement does not extend to the surrender of construction and occupation certificates for existing and proposed building works under Part 4A of the EP&A Act. Surrendering of consent should not be understood as implying that works legally constructed under a valid consent can no longer be legally maintained or used.

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.

STRUCTURAL ADEQUACY

12. The Applicant 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.

Notes:

- Under Part 4A of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for the proposed building works; and
- Part 8 of the EP&A Regulation sets out the requirements for the certification of the development.

DEMOLITION

13. The Applicant 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.

PROTECTION OF PUBLIC INFRASTRUCTURE

14. The Applicant shall:
- (a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the development; and
 - (b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development.

Note: This condition does not apply to damage to roads caused as a result of general road usage.

OPERATION OF PLANT AND EQUIPMENT

15. The Applicant shall ensure that all the plant and equipment used at the site is:
- (a) maintained in a proper and efficient condition; and
 - (b) operated in a proper and efficient manner.

PRODUCTION DATA

16. The Applicant shall:
- (a) provide annual quarry production data to DRE using the standard form for that purpose; and
 - (b) include a copy of this data in the Annual Review (see condition 9 of Schedule 5).

IDENTIFICATION OF APPROVED EXTRACTION LIMITS

17. 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
 - (b) submit a survey plan of these boundaries with applicable GPS coordinates to the Secretary.
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.

DEVELOPMENT CONTRIBUTIONS

19. 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;
 - (b) paid every month based on the material transported in the preceding month; and
 - (c) indexed annually to changes in the Consumer Price Index (All Groups).

Notes: If the parties are not able to agree on any aspect of the road maintenance contributions, either party may refer the matter to the Secretary for resolution.

SCHEDULE 3 ENVIRONMENTAL PERFORMANCE CONDITIONS

NOISE

Hours of Operation

- The Applicant shall comply with the operating hours set out in Table 1.

Table 1: Operating Hours

Activity	Operating Hours
Extraction operations	7 am to 6 pm Monday to Friday 7 am to 5 pm Saturday
Loading and dispatch	6 am to 10 pm Monday to Friday 6 am to 5 pm Saturday
Construction and maintenance activities	7 am to 6 pm Monday to Friday 7 am to 4 pm Saturday
Blasting	9 am to 5 pm Monday to Saturday

Note: The Applicant may carry out other activities e.g. maintenance, on the site provided that these activities are conducted in a manner that is inaudible at all privately-owned residences.

- The following activities may be carried out on the site outside the hours specified in condition 1:
 - delivery or dispatch of materials as requested by Police or other authorities; and
 - emergency work to avoid the loss of lives, property and/or to prevent environmental harm.

In such circumstances, the Applicant shall notify the Secretary and affected residents prior to undertaking the activities, or as soon as is practical thereafter.

Noise Impact Assessment Criteria

- The Applicant shall ensure that the noise generated by the development does not exceed the criteria in Table 2 at any residence on privately-owned land.

Table 2: Noise criteria dB(A)

Receiver	Day / Evening	Night	
	$L_{Aeq(15\ min)}$	$L_{Aeq(15\ min)}$	$L_{A1(max)}$
All privately-owned residences	35	35	45

Noise generated by the development is to be measured in accordance with the relevant requirements and exemptions (including certain meteorological conditions) of the *NSW Industrial Noise Policy*. Appendix 4 sets out the meteorological conditions under which these criteria apply and the requirements for evaluating compliance with these criteria.

However, these criteria do not apply if the Applicant has an agreement with the relevant landowner to exceed the noise criteria in Table 2, and the Applicant has advised the Department in writing of the terms of this agreement.

Operating Conditions

- The Applicant shall:
 - implement best practice management to minimise the operational and road transportation noise of the development;
 - minimise the noise impacts of the development during meteorological conditions when the noise criteria in this consent do not apply (see Appendix 4);
 - 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
 - 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 Management Plan

- The Applicant shall prepare and implement a Noise Management Plan for the development to the satisfaction of the Secretary. This plan must:

- (a) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary;
- (b) describe the measures that would be implemented to ensure compliance with the noise criteria and operating conditions of this consent;
- (c) describe the proposed noise management system in detail; and
- (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.

BLASTING

Blasting Impact Assessment Criteria

6. The Applicant shall ensure that blasting on site does not cause any exceedance of the criteria in Table 3.

Table 3: Blasting Criteria

Location	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)	Allowable exceedance
Any residence on privately-owned land	120	10	0%
	115	5	5% of the total number of blasts over a period of 12 months

However, these criteria do not apply if the Applicant has a written agreement with the relevant landowner to exceed the limits in Table 3, and the Applicant has advised the Department in writing of the terms of this agreement.

Blasting Frequency

7. 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.

Note: For the purposes of this condition, a blast refers to a single blast event, which may involve a number of individual blasts fired in quick succession in a discrete area of the quarry.

Operating Conditions

8. During blasting operations, the Applicant shall:
- (a) implement best management practice to:
 - protect the safety of people and livestock in areas surrounding blasting operations;
 - protect public or private infrastructure/property in the surrounding area from damage from blasting operations; and
 - minimise dust and fume emissions from blasting;
 - (b) operate a suitable system to enable the local community to get up-to-date information on the proposed blasting schedule on site; and
 - (c) carry out regular monitoring to determine whether the development is complying with the relevant conditions of this consent, to the satisfaction of the Secretary.

Blast Management Plan

9. The Applicant shall prepare and implement a Blast Management Plan for the development to the satisfaction of the Secretary. This plan must:
- (a) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary;
 - (b) describe the measures that would be implemented to ensure compliance with the blast criteria and operating conditions in conditions 7 and 8 above;
 - (c) include a monitoring program for evaluating and reporting on compliance with the blasting criteria in this consent;
 - (d) include community notification procedures for the blasting schedule; and
 - (e) include a protocol for investigating and responding to complaints.

AIR QUALITY

Air Quality Impact Assessment Criteria

10. The Applicant shall ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the development do not cause exceedances of the criteria in Table 4 at any residence on privately-owned land.

Table 4: Air Quality Criteria

Pollutant	Averaging Period	Criterion	
Particulate matter < 10 µm (PM ₁₀)	Annual	a,d 30 µg/m ³	
Particulate matter < 10 µm (PM ₁₀)	24 hour	b 50 µg/m ³	
Total suspended particulates (TSP)	Annual	a,d 90 µg/m ³	
^c Deposited dust	Annual	b 2 g/m ² /month	a,d 4 g/m ² /month

Notes to Table 4:

a Cumulative impact (ie increase in concentrations due to the development plus background concentrations due to all other sources).

b Incremental impact (ie increase in concentrations due to the development alone, with zero allowable exceedances of the criteria over the life of the development).

c Deposited dust is to be assessed as insoluble solids as defined by Standards Australia, AS/NZS 3580.10.1:2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulate Matter - Deposited Matter - Gravimetric Method.

d Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents or any other activity agreed by the Secretary.

e "Reasonable and feasible avoidance measures" includes, but is not limited to, the operational requirements in conditions 11 and 12 to develop and implement an air quality management system that ensures operational responses to the risks of exceedance of the criteria.

Operating Conditions

11. The Applicant shall:
- (a) implement best practice management to minimise the dust emissions of the development;
 - (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;
 - (c) minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see note d under Table 4);
 - (d) monitor and report on compliance with the relevant air quality conditions in this consent;
 - (e) implement all reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site; and
 - (f) minimise the area of surface disturbance and undertake progressive rehabilitation of the site, to the satisfaction of the Secretary.

Air Quality Management Plan

12. The Applicant shall prepare and implement an Air Quality Management Plan for the development to the satisfaction of the Secretary. This plan must:
- (a) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary;
 - (b) describe the measures that would be implemented to ensure compliance with the air quality criteria and operating conditions of this consent;
 - (c) describe the proposed air quality management system;
 - (d) include an air quality monitoring program that:
 - 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.

Meteorological Monitoring

13. For the life of the development, the Applicant 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.

SOIL AND WATER

Water Supply

14. The Applicant shall ensure that it has sufficient water for all stages of the development, and if necessary, adjust the scale of operations under the consent to match its available water supply, to the satisfaction of the Secretary.

Note: Under the Water Act 1912 and/or the Water Management Act 2000, the Applicant is required to obtain the necessary water licences for the development, including in respect of the extraction and/or interception of groundwater.

Water Pollution

15. Unless an EPL authorises otherwise, the Applicant shall comply with Section 120 of the POEO Act.

Water Management Plan

16. The Applicant shall prepare and implement a Water Management Plan for the development to the satisfaction of the Secretary. This plan must:
- be prepared by suitably qualified person/s approved by the Secretary;
 - be prepared in consultation with the EPA and DPI-Water;
 - be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary;
 - include a:
 - Site Water Balance that includes:
 - details of:
 - sources and security of water supply;
 - water use and management on site;
 - any off-site water transfers; and
 - reporting procedures.
 - measures that would be implemented to minimise clean water use on site;
 - Surface Water Management Plan, that includes:
 - 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:
 - clean water diversion system;
 - erosion and sediment controls;
 - dirty water management system; and
 - water storages; and
 - a program to monitor and report on:
 - any surface water discharges;
 - the effectiveness of the water management system;
 - maintaining sufficient dirty water storage capacity to avoid discharges of sediment-laden water; and
 - surface water flows and quality in local watercourses;
 - Groundwater Management Plan, that includes:
 - 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
 - Surface and Ground Water Contingency Strategy, that includes:
 - 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.

TRANSPORT

Monitoring of Product Transport

17. 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.

Operating Conditions

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;
 - (b) all laden trucks entering or exiting the site have their loads covered;
 - (c) all laden trucks exiting the site are cleaned of material that may fall on the road, before leaving the site;
 - (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
 - (e) no trucks queue at the entrance to the site before 6 am.

Further Road Maintenance and Contributions

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.
20. Within two weeks of receiving a written request from Council, or as otherwise agreed by Council, the Applicant shall:
- (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
 - (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.

Notes:

- The minimum required quantities of materials for each intersection listed in 20(a) and 20(b) are shown in Appendix 5.
- If the parties are not able to agree on any aspect of the maintenance contributions, either party may refer the matter to the Secretary for resolution.

Transport Management Plan

21. The Applicant shall prepare and implement a Transport Management Plan for the development to the satisfaction of the Secretary. This plan must:
- (a) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary;
 - (b) include a Drivers' Code of Conduct to minimise the impacts of development-related trucks on local residences and road users; and
 - (c) describe the measures that would be put in place to ensure compliance with the Drivers' Code of Conduct.

LANDSCAPE AND REHABILITATION

Rehabilitation Objectives

22. The Applicant shall rehabilitate the site to the satisfaction of the Secretary. This rehabilitation must be generally consistent with the rehabilitation strategy set out in the EIS and the conceptual final landform shown in Appendix 3 and must comply with the objectives in Table 5.

Table 5: Rehabilitation Objectives

Feature	Objective
Site (as a whole)	• 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
Surface Infrastructure	• Decommissioned and removed, unless DRE agrees otherwise
Quarry Benches	• Landscaped and vegetated using native tree and understorey species

Quarry Pit Floor	Landscaped and revegetated using improved pasture species, native trees and understorey species
Final Void	- Minimise the height and slope of batters - Minimise the drainage catchment
Community	- Ensure public safety - Minimise the adverse socio-economic effects of quarry closure

Progressive Rehabilitation

23. 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.

Note: It is accepted that parts of the site that are progressively rehabilitated may be subject to further disturbance in future.

Landscape and Rehabilitation Management Plan

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:
- be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary;
 - provide details of the conceptual final landform and associated land uses for the site;
 - 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;
 - 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:
 - 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 impacts;
 - reviewing improved pasture species and application rates;
 - controlling weeds and feral pests;
 - controlling erosion;
 - controlling access; and
 - bushfire management;
 - include a program to monitor and report on the effectiveness of these measures, and progress against the performance and completion criteria;
 - 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
 - include details of who would be responsible for monitoring, reviewing, and implementing the plan.

Rehabilitation Bond

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 plan and relevant conditions of this consent. The sum of the bond shall be determined by:
- calculating the cost of rehabilitating the site, taking into account the likely surface disturbance over the next 3 years of quarrying operations; and
 - employing a suitably qualified quantity surveyor or other expert to verify the calculated costs, to the satisfaction of the Secretary.

Notes:

- If capital and other expenditure required by the Landscape and Rehabilitation Management Plan is largely complete, the Secretary may waive the requirement for lodgement of a bond in respect of the remaining expenditure.*
- If the rehabilitation of the site is completed to the satisfaction of the Secretary, then the Secretary will release the bond. If the rehabilitation of the site is not completed to the satisfaction of the Secretary, then the Secretary will call in all or part of the bond, and arrange for the completion of the relevant works.*

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.

VISUAL

27. 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.

WASTE

28. 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;
 - (b) minimise the waste generated by the development;
 - (c) ensure that the waste generated by the development is appropriately stored, handled, and disposed of; and
 - (d) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary.
29. Except as expressly permitted in an EPL, the Applicant must not receive waste at the site for storage, treatment, processing, reprocessing or disposal.

LIQUID STORAGE

30. 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.

DANGEROUS GOODS

31. 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*.

BUSHFIRE

32. 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.

SCHEDULE 4 ADDITIONAL PROCEDURES

NOTIFICATION OF LANDOWNERS

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
 - (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).

INDEPENDENT REVIEW

2. If an owner of privately-owned land considers the development to be exceeding the relevant criteria in Schedule 3, then he/she may ask the Secretary in writing for an independent review of the impacts of the development on his/her land.

If the Secretary is satisfied that an independent review is warranted, then within 2 months of the Secretary's decision, the Applicant shall:

- (a) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Secretary, to:
 - consult with the landowner to determine his/her concerns;
 - conduct monitoring to determine whether the development is complying with the relevant criteria in Schedule 3; and
 - if the development is not complying with these criteria, then identify measures that could be implemented to ensure compliance with the relevant criteria; and
- (b) give the Secretary and landowner a copy of the independent review.

SCHEDULE 5
ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING

ENVIRONMENTAL MANAGEMENT

Environmental Management Strategy

1. The Applicant shall prepare and implement an Environmental Management Strategy for the development to the satisfaction of the Secretary. This strategy must:
 - (a) be submitted to the Secretary for approval within 6 months of the date of this consent;
 - (b) provide the strategic framework for environmental management of the development;
 - (c) identify the statutory approvals that apply to the development;
 - (d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development;
 - (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 development;
 - receive, record, handle and respond to complaints;
 - resolve any disputes that may arise during the course of the development;
 - respond to any non-compliance;
 - respond to emergencies; and
 - (f) include:
 - copies of any strategies, plans and programs approved under the conditions of this consent; and
 - a clear plan depicting all the monitoring to be carried out under the conditions of this consent.

Management Plan Requirements

2. The Applicant shall ensure that the management plans required under this consent are prepared in accordance with any relevant guidelines, and include:
 - (a) detailed baseline data;
 - (b) a description of:
 - the relevant statutory requirements (including any relevant approval, licence or lease conditions);
 - any relevant limits or performance measures/criteria; and
 - the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measures;
 - (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:
 - impacts and environmental performance of the development; and
 - effectiveness of any management measures (see (c) above);
 - (e) a contingency plan to manage any unpredicted impacts and their consequences and to ensure that ongoing impacts reduce to levels below relevant impact assessment criteria as quickly as possible;
 - (f) a program to investigate and implement ways to improve the environmental performance of the development over time;
 - (g) a protocol for managing and reporting any:
 - 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.

Note: The Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.

Application of Existing Management Plans

3. Prior to the approval of management plans under this consent, the Applicant shall manage development undertaken pursuant to this consent in accordance with any equivalent or similar management plan/s required under development consent DA 92/164.

Staged Submission of Strategies, Plans or Programs

4. With the approval of the Secretary, the Applicant may submit any strategies, plans or programs required by this consent on a progressive basis.

Note: If the submission of any strategy, plan or program is to be staged; then the Applicant must ensure that the existing strategy, plan or program clearly describes the specific stage to which the strategy, plan or program

applies, the relationship of this stage to any future stages, and the trigger for updating the strategy, plan or program.

Revision of Strategies, Plans & Programs

5. Within 3 months of the submission of an:
- (a) incident report under condition 7 below;
 - (b) annual review under condition 9 below;
 - (c) audit report under condition 10 below; and
 - (d) any modifications to this consent,
- 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.

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.

Adaptive Management

6. The Applicant must assess and manage development-related risks to ensure that there are no exceedances of the criteria and/or performance measures in Schedule 3. Any exceedance of these criteria and/or performance measures constitutes a breach of this consent and may be subject to penalty or offence provisions under the EP&A Act or EP&A Regulation.

Where any exceedance of these criteria and/or performance measures has occurred, the Applicant must, at the earliest opportunity:

- (a) take all reasonable and feasible steps to ensure that the exceedance ceases and does not reoccur;
 - (b) consider all reasonable and feasible options for remediation (where relevant) and submit a report to the Department describing those options and any preferred remediation measures or other course of action; and
 - (c) implement remediation measures as directed by the Secretary;
- to the satisfaction of the Secretary.

REPORTING

Incident Reporting

7. The Applicant shall immediately notify the Secretary and any other relevant agencies of any incident. Within 7 days of the date of the incident, the Applicant shall provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested.

Regular Reporting

8. The Applicant shall provide regular reporting on the environmental performance of the development on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this consent.

ANNUAL REVIEW

9. By the end of March each year, or other timing as may be agreed by the Secretary, the Applicant shall review the environmental performance of the development to the satisfaction of the Secretary. This review must:
- (a) describe the development (including any rehabilitation) that was carried out in the previous calendar year, and the development that is proposed to be carried out over the current calendar year;
 - (b) include a comprehensive review of the monitoring results and complaints records of the development over the previous calendar year, which includes a comparison of these results against the:
 - relevant statutory requirements, limits or performance measures/criteria;
 - requirements of any plan or program required under this consent;
 - monitoring results of previous years; and
 - relevant predictions in the EIS;
 - (c) identify any non-compliance over the past calendar year, and describe what actions were (or are being) taken to ensure compliance;
 - (d) identify any trends in the monitoring data over the life of the development;
 - (e) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and
 - (f) describe what measures will be implemented over the current calendar year to improve the environmental performance of the development.

INDEPENDENT ENVIRONMENTAL AUDIT

10. Within a year of the date of this consent, and every 3 years thereafter, unless the Secretary directs otherwise, the Applicant shall commission and pay the full cost of an Independent Environmental Audit of the development. This audit must:
- (a) be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;
 - (b) include consultation with the relevant agencies;
 - (c) assess the environmental performance of the development and whether it is complying with the relevant requirements in this consent and any relevant EPL or necessary water licences for the development (including any assessment, strategy, 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 development, and/or any assessment, strategy, plan or program required under the abovementioned approvals.

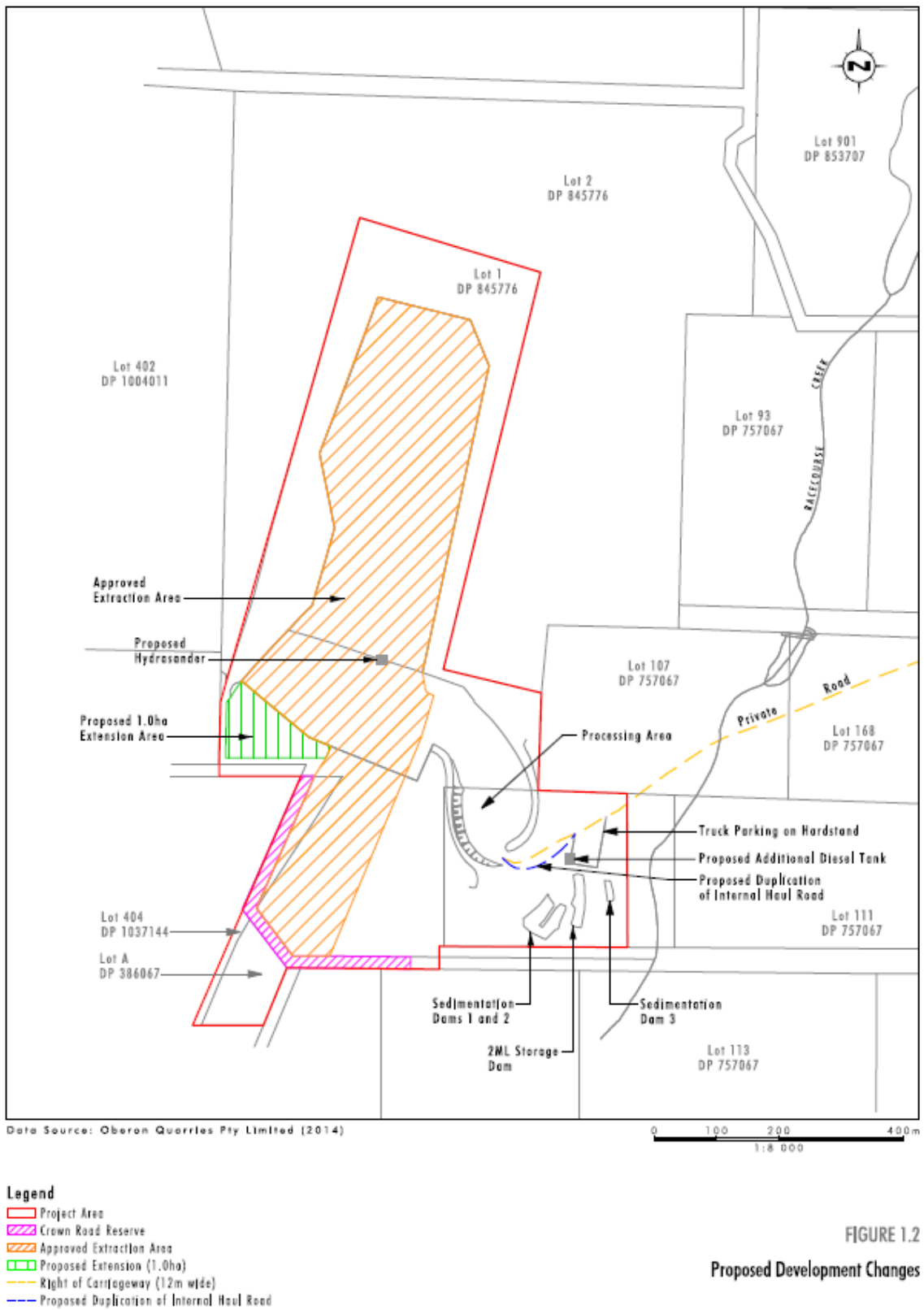
Note: This audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Secretary.

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.

ACCESS TO INFORMATION

12. Within 6 months of the date of this consent, the Applicant shall:
- (a) make the following information publicly available on its website:
 - the documents listed in condition 2 of Schedule 2;
 - current statutory approvals for the development;
 - all approved strategies, plans and programs required under the conditions of this consent;
 - a comprehensive summary of the monitoring results of the development, reported in accordance with the specifications in any conditions of this consent, or any approved plans and programs;
 - a complaints register, updated monthly;
 - the annual reviews of the development;
 - any independent environmental audit, and the Applicant's response to the recommendations in any audit; and
 - any other matter required by the Secretary; and
 - (b) keep this information up-to-date, to the satisfaction of the Secretary.

APPENDIX 1 DEVELOPMENT LAYOUT



APPENDIX 2 STATEMENT OF COMMITMENTS

Clause 7(1)(e) of Schedule 2 EP&A Regulation Requirements requires that the EIS include a compilation of the mitigation measures (refer to **Section 4.2.1.2**).

If development consent is granted under Part 4 of the EP&A Act for the Project, Oberon Quarries will commit to the following controls.

Hours of Operation

Oberon Quarries' approved hours of operation are as per Condition 16 of DA 92/164, and are dependent on the activity being undertaken; approved hours are detailed in **Table 7.1**. Hours of operation will not change as a result of the Project.

Table 7.1 – Approved Hours of Operation

Activity	Approved Hours of Operation
Quarrying and Processing Areas	7.00 am to 6.00 pm, Mondays to Fridays 7.00 am to 5.00 pm, Saturdays No quarrying or processing shall be undertaken on Sundays or public holidays.
Loading Haul Trucks	6.00 am to 10.00 pm, Mondays to Fridays 6.00 am to 5.00 pm, Saturdays No loading of haul trucks shall be undertaken on Sundays or public holidays.
Product Delivery	6.00 am to 10.00 pm, Mondays to Fridays 6.00 am to 5.00 pm, Saturdays No product delivery trucks are to enter the quarry prior to 6.00 am on any day. During the periods 6.00 am to 7.00 am and 6.00 pm to 10.00 pm a maximum of 4 laden delivery trucks shall leave the site per hour (total 8 truck movements per hour).
Construction of Haul Road and Quarry Infrastructure	7.00 am to 6.00 pm Mondays to Fridays 7.00 am to 4.00 pm Saturdays No construction shall be undertaken on Sundays or public holidays.
Maintenance	7.00 am to 6.00 pm Mondays to Fridays 7.00 am to 4.00 pm Saturdays

Erosion and Sediment Control

Current site infrastructure and management practices successfully manage sediment and erosion control for the operation. Surface water management infrastructure at the quarry has been established and fully operational since 1995. The existing water management system at the site includes diversion drains, catch drains and sedimentation dams. Diversion drains and embankments have been constructed around the disturbance area and are vegetated. Catch drains have been constructed with rock weirs and convey sediment-laden runoff from the extraction area to a series of sedimentation dams.

In addition to the diversion drains and sedimentation ponds, Oberon Quarries will continue to implement localised sediment and erosion controls, as required, in accordance with *Managing Urban Stormwater – Soils and Construction* (Landcom, 2001) to reduce the impacts on the water quality in the quarry's dirty water management system.

Noise

Key noise management and mitigation measures to limit potential operational noise impacts currently being implemented at Oberon Quarries' operations and that will be applied to future operations include:

- consideration of seasonal influences on noise impacts, to avoid or otherwise minimise noise impacts to sensitive receivers;
- undertaking prescribed works within the approved hours of operation. Works undertaken outside these hours include:
 - emergency work to avoid the loss of life, property and/or prevent environmental harm; and
 - any other work as agreed through negotiation between Oberon Quarries and potentially affected noise receivers or as otherwise agreed by the EPA.
- where practical aural reversing alarms on mobile plant will be muffled;
- regular inspections of all site plant and equipment to ensure ongoing compliance with manufacturers' noise specifications;
- provision of noise awareness training to site workers;
- positioning (i.e. location and orientation) mobile plant and equipment to minimise any potential noise impact on the surrounding residential receivers;
- implementing noise attenuation controls, where feasible, on mobile and stationary equipment that is potentially generating noise levels above that predicted and/or are generating noise complaints;
- installation of a new crushing plant that has a SWL 6 dB less than the existing equipment and the screening plant that has a SWL 3 dB less than the existing equipment;
- limiting truck speeds on the internal haul roads to 40 km/h;
- not permitting the use of compression brakes on internal haul roads and Oberon Quarry Road;
- drilling associated with blasting will only take place between the hours of 7.00 am and 6.00 pm, 5 days per week;
- restricting truck movements during the periods 6.00 am to 7.00 am and 6.00 pm to 10.00 pm to a maximum of 4 laden truck movements per hour (total 8 truck movements per hour);
- undertaking noise compliance monitoring and reporting (i.e. attended noise monitoring to assess compliance and assist with minimising impacts) once the new crusher and screen are installed. A noise report will be prepared by an independent and suitably qualified person, to assess compliance with the noise levels generated by the quarrying, processing and transportation of quarry products; and
- minimising noise impacts at residential locations, unless there is an alternative agreement with the private resident.

Oberon Quarries will operate a community contact line. The local community is encouraged to use this point of contact to report any instances of excessive noise. All enquiries are to be recorded and the subsequent investigation, action and response logged. The action taken is also communicated to the person who made the enquiry.

These are considered the only feasible measures available to mitigate noise impacts.

Blasting

Oberon Quarries will continue to implement the existing blast management measures:

- all relevant quarry personnel will be trained on the environmental obligations in relation to blasting controls;
- the surrounding landowners and Council will be notified prior to undertaking a blast;
- the date, location of blast holes and quantity of explosive used each day will be documented;
- blasts will be designed to comply with overpressure and vibration criteria;
- monitoring will be undertaken at the nearest private residence and/or other sensitive locations (as required) to verify compliance with the relevant criteria (refer to Figure 6.1);
- the maximum number of holes to be detonated in a blast is 150;
- sufficient distance will be maintained between the blast hole and the quarry face;
- appropriate delays will be used;
- blast monitoring data will be used on an ongoing basis to further refine the blast design and management;
- blast design and blast management procedures will be periodically reviewed to evaluate performance and identify corrective action, if required; and
- blasting will be undertaken between 9.00 am and 5.00 pm, Monday to Saturday inclusive, except under apparent temperature inversions conditions when blasting shall only occur between 11.00 am and 1.00 pm Monday to Saturday. No blasting is undertaken on Sundays or public holidays, without approval of the Secretary.

Air Quality

Oberon Quarries has committed to implementing the following dust management and mitigation practices:

- regular watering of unsealed haul roads within the extraction and processing areas and working areas;
- mist sprays on conveyors discharging to product stockpiles;
- limiting vehicles speeds on unsealed surfaces to 40 km/h;
- progressive stabilisation/rehabilitation of exposed areas no longer needed for operational purposes;

- rehabilitating the final landform surface as soon as practicable;
- minimisation of the total disturbed/working areas at any one time;
- implementing temporary stabilisation measures (e.g. cover crops or mulch) on disturbed areas soon as practicable, if rehabilitation is not to be undertaken within the coming three months;
- where practical/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 be maintained to be fully functional;
- 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).

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.

These are considered the only feasible measures available to mitigate air quality impacts.

Surface Water

The existing water management system including diversion drains, catch drains and sedimentation dams will continue to be managed as per current operations. The system can and will be readily augmented to allow for the additional 1.0 hectare extension area.

Oberon Quarries holds a surface water licence (80SI05018, WAL 34279) that allows extraction of water from Racecourse Creek. No other water licensing will be required for the continued operation of the quarry.

In addition Oberon Quarries will continue to implement localised sediment and erosion controls, as required, in accordance with *Managing Urban Stormwater – Soils and Construction* (Landcom, 2001) to reduce the impacts on the water quality in the quarry's dirty water management system.

Surface water monitoring will continue in accordance with Condition 26 of DA 92/164, and EPL Condition P1.3, surface water quality is monitored at two sites on Racecourse Creek (refer to Figure 6.1):

- W1 – upstream of the quarry; and
- W2 – downstream of the quarry.

The samples are analysed for pH, conductivity, turbidity, non-filterable residue (NFR), total nitrogen (TKN), total phosphorus (TP), and total petroleum hydrocarbons (TPH).

EPL condition M2.1 requires the monitoring of Oil & Grease, Total Suspended Solids (TSS) and pH. TPH has been used at the quarry for many years as a suitable measurement for Oil & Grease.

Groundwater

Groundwater will continue to be monitored in accordance with Condition 26 of DA 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 (refer to Figure 6.1).

Traffic and Transport

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).

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:

- 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.

Aboriginal Archaeology

To ensure the archaeological impacts of the quarry are minimised, Oberon Quarries has committed to implementing the following management and mitigation measures:

- 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;
- 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;
- 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;

- 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):
 - 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.

This process functions only to appropriately identify the remains and secure the site. From this time, the management of the remains is to be determined through liaison with the appropriate stakeholders and in accordance with the *Public Health Act 1991*.

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 below.

Table 7.2 – Greenhouse Gas and Energy Mitigation and Management Measures

Mitigation/Management Measure	Application
<i>Improving transport diesel use efficiency</i>	
Limiting the length of transport routes	The transport route is selected based on considering the shortest route and traffic congestion/delays.
Fuel efficient haul trucks	The existing transport fleet over the life of the ongoing operations will be replaced by more efficient trucks. Fuel use efficiency will be an important factor in selecting new haul trucks.
Maximising payload	Oberon Quarries ensure the each truck carries the maximum legal payload.
Reducing idling times	Oberon Quarries will continuously try to improve idle times. Idle times are typically minimal given there is a front end loader specifically for truck loading.
<i>Improving on-site diesel use efficiency</i>	
Scheduling activities so that equipment and vehicle operation is optimised	Quarry operations are scheduled to optimise the productivity and efficiency of equipment.

Table 7.2 – Greenhouse Gas and Energy Mitigation and Management Measures (cont)

Mitigation/Management Measure	Application
Fuel efficient equipment	The existing quarry fleet over the life of the ongoing operations will be replaced by more efficient trucks, excavators and front end loaders. Fuel use efficiency will be an important factor in selecting quarry fleet.
Blasting strategies to improve extraction efficiency	Blasting will be undertaken using best practice.
Maximising resource recovery efficiency	Resource recovery will be optimised within the constraints of the Project.
Working machines to their upper design performance	Machines will be worked to their upper design performance. Optimising machine performance is a key performance indicator for operators. This will be an important factor in selecting new machines.
<i>Haul Truck Options</i>	
Limiting the length of material haulage routes	The quarry planning process paid particular attention to reducing haul route distances.
Optimising ramp gradients	Over the life of the quarry the excavation depth will be increased, thereby reducing the haul road gradient between the processing area and the quarry pit.
Fuel efficient haul trucks	The existing haul truck over the life of the ongoing operations will be replaced by a more efficient truck. Fuel use efficiency will be an important factor in selecting new haul trucks.
Maximising payload	Trucks will be matched with excavators to maximise payload.
Improving rolling resistance of haul roads	Haul road locations are constantly changing and it would be very expensive to pave every haul route. The haul roads are regularly maintained to improve the rolling resistance of haul roads.
Reducing idling times	Oberon Quarries will continuously try to improve idle times. Idle times are typically minimal given there is a front end loader and/or excavator specifically for haul truck loading.
<i>Improving electricity efficiency of processing equipment</i>	
Reducing reject percentage	The installation of the new crushers is expected to reduce the percentage of 5 millimetres minus material that is created from 30 per cent to 25 per cent. This results in a 5 per cent efficiency gain in production and reduces the need for double handling. It is anticipated that the existing markets for the 5 millimetres minus material will be expanded over time and new markets will be developed such as production of manufactured sand as is proposed. This has the potential to create up to a 25 per cent gain in energy efficient per tonne of product.
High efficiency motors	Will occur as part of on-going upgrades to the processing plant. Likely to be financially reasonable
Variable Speed Drives	Will occur where appropriate as part of on-going upgrades to the processing plant. Likely to be financially reasonable.
Optimising motor size to load	Will occur as part of on-going upgrades to the processing plant.
Optimising basalt throughput	The processing plant has been designed to match the maximum throughput of the quarry.

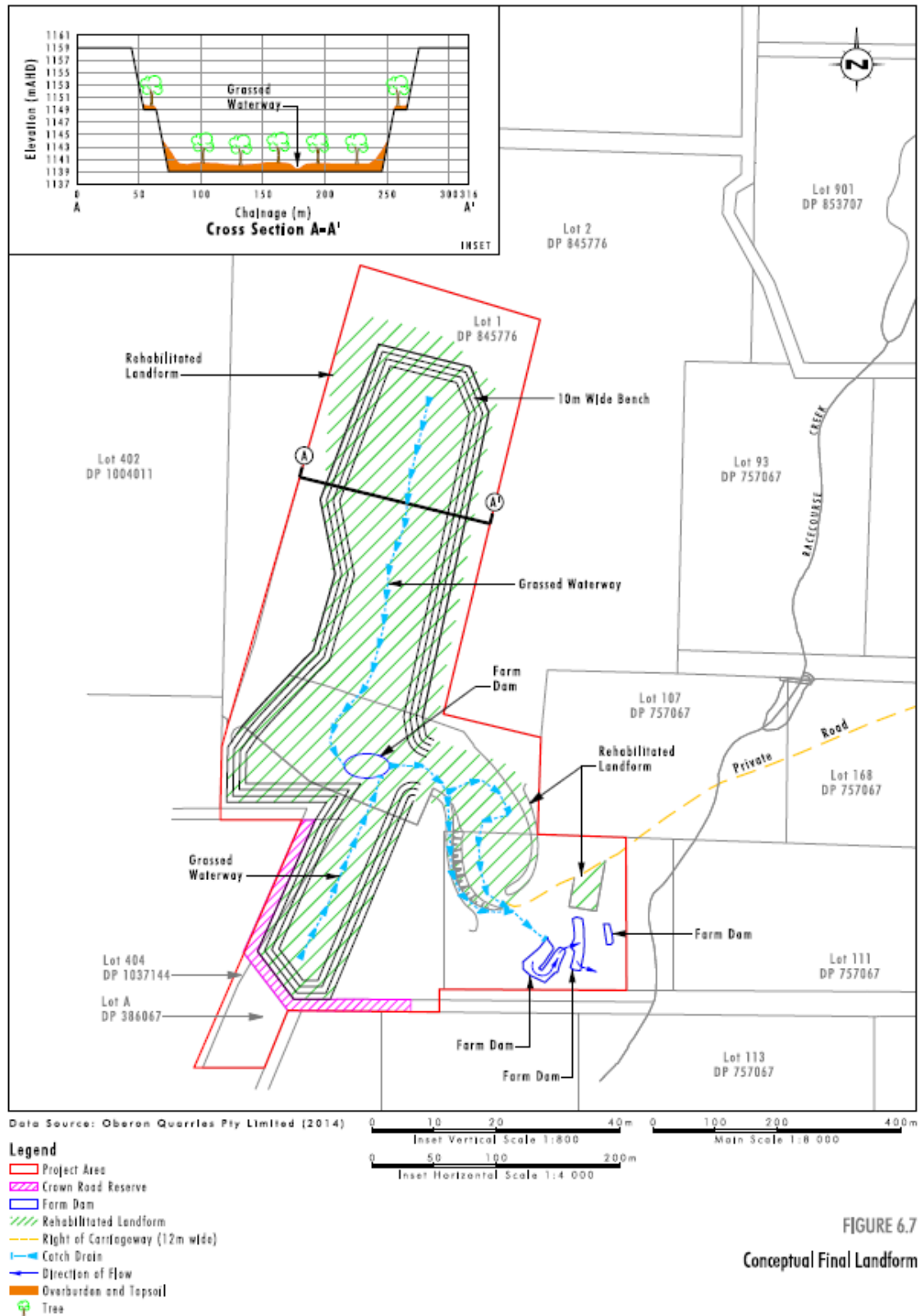
Waste

The current site waste management practices will continue to be implemented for the life of the Project.

Bushfire

The Council approved Bushfire Management Plan for the site will continue to be implemented for the life of the Project.

APPENDIX 3 CONCEPTUAL FINAL LANDFORM



APPENDIX 4 NOISE COMPLIANCE ASSESSMENT

Applicable Meteorological Conditions

1. The noise criteria in Table 2 of the conditions is to apply under all meteorological conditions except the following:
 - (a) wind speeds greater than 3 m/s at 10 m above ground level; or
 - (b) stability category F temperature inversion conditions and wind speeds greater than 2 m/s at 10 m above ground level; or
 - (c) stability category G temperature inversion conditions.

Determination of Meteorological Conditions

2. Except for wind speed at microphone height, the data to be used for determining meteorological conditions shall be that recorded by the meteorological station required under condition 13 of Schedule 3.

Compliance Monitoring

3. Attended monitoring is to be used to evaluate compliance with the relevant conditions of this consent.
4. Unless the Secretary agrees otherwise, this monitoring is to be carried out in accordance with the relevant requirements for reviewing performance set out in the *NSW Industrial Noise Policy* (as amended from time to time), in particular the requirements relating to:
 - (a) monitoring locations for the collection of representative noise data;
 - (b) meteorological conditions during which collection of noise data is not appropriate;
 - (c) equipment used to collect noise data, and conformity with Australian Standards relevant to such equipment; and
 - (d) modifications to noise data collected, including for the exclusion of extraneous noise and/or penalties for modifying factors apart from adjustments for duration.

APPENDIX 5

ROAD MATERIALS CONTRIBUTIONS

The quantities of materials to be provided for each intersection are as follows:

- (a) Shooters Hill/Edith Road Intersection (surface area 1400 m²) — 21.5 tonnes of sealing aggregate;
- (b) Edith/Titania Road Intersection (surface area 1500 m²) — 23 tonnes of sealing aggregate and 750 tonnes of road base; and
- (c) Titania/Duckmaloi Road Intersection (surface area 1300 m²) — 20 tonnes of sealing aggregate.

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Appendix 3

Truck Movement and Product Transport Summary – 2020

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JANUARY 2020 – DECEMBER 2020

This summary is to satisfy Condition 17 of Development Consent SSD_6333. The summary provides a record of all truck movements to and from the Quarry and is updated every 6 months.

During the period starting from January 2020 through to December 2020 Oberon Quarries recorded the following information:

2020

January 2020	There were 605 truck movements for the month and a total of 16,194.32 tonnes of material that left the quarry.
February 2020	There were 729 truck movements for the month and a total of 20,165.57 tonnes of material that left the quarry.
March 2020	There were 710 truck movements for the month and a total of 19,933.25 tonnes of material that left the quarry.
April 2020	There were 802 truck movements for the month and a total of 21,905.58 tonnes of material that left the quarry.
May 2020	There were 747 truck movements for the month and a total of 19,753.02 tonnes of material that left the quarry.
June 2020	There were 1,053 truck movements for the month and a total of 28,245.83 tonnes of material that left the quarry.
July 2020	There were 913 truck movements for the month and a total of 26,338.85 tonnes of material that left the quarry.
August 2020	There were 1,043 truck movements for the month and a total of 27,588.92 tonnes of material that left the quarry.
September 2020	There were 1,280 truck movements for the month and a total of 33,997.60 tonnes of material that left the quarry.
October 2020	There were 964 truck movements for the month and a total of 23,150.13 tonnes of material that left the quarry.
November 2020	There were 1,458 truck movements for the month and a total of 39,458.68 tonnes of material that left the quarry.
December 2020	There were 1,035 truck movements for the month and a total of 28,035.59 tonnes of material that left the quarry.

No trucks were loaded before 6.00am and no trucks entered the quarry premise before 5.30am and no trucks were loaded or left the quarry premise after 10.00pm.

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Appendix 4

Blasting Agreements

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Oberon Quarries Pty Ltd
Hargraves Quarry Road
Oberon NSW 2787
ABN: 12 054 994 802
Phone: (02) 6336 0259

29 December, 2016

Mr John Hackfath
174 Shooters Hill Road
(Lot 1 DP 1011321)
Oberon NSW 2787

To whom it may concern,

As the residents at 174 Shooters Hill Road Oberon NSW 2787, Lot 1 DP 1011321.

We have no objection to Oberon Quarries Pty Ltd generating higher noise levels than those listed in Section L3 of NSW Environment Protection Authority (EPA) Environment Protection Licence (EPL) 4442 and clause 3, schedule 3 of Department of Planning and Environment (DPE) Oberon Quarries project approval SSD_6333. If in the future, we have any objections we will raise these directly with the Quarry Manager.

Additionally, we have no objection to Oberon Quarries Pty Ltd seeking to modify the frequency of attended noise monitoring from '*at least every 3 months*' (as stipulated in clause 4 (c), schedule 3 of project approval SSD_6333) to '*on a complaints only basis only*' whereby a targeted noise monitoring investigation will be undertaken by Oberon Quarries Pty Ltd on receipt of a noise complaint.

Yours sincerely,

Signature:

Name:

John Hackfath



Oberon Quarries Pty Ltd
Hargraves Quarry Road, Oberon NSW 2787
ABN: 12 054 994 802
P: (02) 6336 0312 – Quarry Office
P: (02) 6336 0259 – Weighbridge Office

13 April 2018

Mr. Anthony Alevras
167 Harveys Road
Lot 401 DP 1105551 (Formerly in Lot 401 DP 1004011)
Oberon NSW 2787

Dear Anthony

Re: Oberon Quarries Pty Limited Continuation Project (SSD_6333) - Blasting Agreement

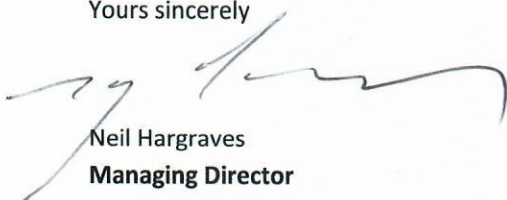
On the 14 September 2015 the Department of Planning and Environment granted Development Consent (SSD_6333), which permits the continuation of quarrying activities for a further 30 years. The Development Consent details a number of environmental monitoring and performance requirements for these quarrying activities. Specifically Schedule 3, Condition 6 relates to the maximum noise and vibration levels for blasting operations.

As you are aware, Oberon Quarries Pty Limited has historically undertaken blast monitoring at your premises to measure the noise and vibration levels for each blast. Over the last 20 plus years the blast noise and vibration monitoring results have typically been below the levels, as specified in the Development Consent and Environment Protection Licence. On occasion when exceedences of these levels have occurred, which have been associated with the noise level, we have provided you with notification.

While we propose to continue to undertake blasting, such that the level of noise and vibration generated is below the maximum levels allowed, we seek your agreement to higher levels in accordance with Schedule 3, Condition 6. Oberon Quarries does not intend to generate blast levels greater than that generated previously. Subject to your concurrence, this will remove the formal requirement to monitor each blast and the need to advise yourself and government departments within the nominated timeframes (within seven days of the exceedance being observed), should an exceedance occur. We note however, that Oberon Quarries wishes to continue to monitor blasts at your property for due diligence purposes. Oberon Quarries will also continue to advise you of blasts results above the levels specified in Schedule 3, Condition 6 of the Development Consent, if requested for your information. Oberon Quarries is also willing to provide you with all blasting monitoring results, if requested.

If you are in agreement with the above, Oberon Quarries would appreciate if you could sign and date the blast agreement below and return for our records.

Yours sincerely



Neil Hargraves
Managing Director

Neil Hargraves
Oberon Quarries Pty Limited
315 Commercial Road
VINEYARD NSW 2765

Dear Neil

Re: Oberon Quarries Pty Limited Continuation Project (SSD_6333) - Blasting Agreement

As the resident of 167 Harveys Road, Oberon NSW 2787, Lot 401 DP 1105551 (Formerly in Lot 401 DP 1004011) we have no objection to Oberon Quarries generating higher blast noise and vibration levels than those specified in Schedule 3, Condition 6 of the 2015 Development Consent (SSD_6333).

If in the future we have any objections we will raise these directly with the Quarry Manager.

Yours sincerely

Signature: 

Name: Anthony Alevras

Date: 17/04/2018



Oberon Quarries Pty Ltd
Hargraves Quarry Road,
Oberon NSW 2787
Phone: (02) 6336 0259

25 August, 2016

Mr Anthony Alevras
167 Harveys Road
Lot 401 DP 1105551 (Formerly in Lot 401 DP 1004011)
Oberon NSW 2787

To whom it may concern,

As the residents at 167 Harveys Road Oberon NSW 2787, Lot 401 DP 1105551, (Formerly in Lot 401 DP 1004011).

We have no objection to Oberon Quarries generating higher noise levels than those listed in Section L3 of NSW Environment Protection Authority (EPA) Environment Protection Licence (EPL) 4442 and clause 3, schedule 3 of Department of Planning and Environment (DPE) Oberon Quarries project approval SSD_6333. If in the future we have any objections we will raise these directly with the Quarry Manager.

Additionally, we have no objection to Oberon Quarries seeking to modify the frequency of attended noise monitoring from *'at least every 3 months'* (as stipulated in clause 4 (c), schedule 3 of project approval SSD_6333) to *'on a complaints only basis only'* whereby a targeted noise monitoring investigation will be undertaken by Oberon Quarries on receipt of a noise complaint.

Yours sincerely,

Signature:

Name:

ANTHONY ALEVRA

Appendix 5

Complaints Register and Company Response

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OBERON **QUARRIES**

Oberon Quarries Pty Ltd

A.B.N 12 054 994 802

Enquiries and Complaints Line: (02) 6336 0259

Complaints Register

Date	Nature of Complaint	Method	Action taken and follow-up
2016	Nil Complaints		
2017	Nil Complaints		
2018	Nosie	DPE via email	Oberon Quarries received a noise complaint via DPE during October 2018. Correspondence regarding this matter was provided to the DPE. No further action has been requested or undertaken.
2019	Truck Movements	Oberon Council via letter	Oberon Quarries received a letter from Oberon Council regarding truck movements within Oberon township during June 2019. Correspondence regarding this matter was provided to Oberon Council. No further action has been requested or undertaken

This Complaints Register will be updated if a complaint is received.

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