Oberon Quarries Annual Review 2023

1 January 2023 – 31 December 2023

March 2024

ANDITI

OBERON QUARRIES

Annual Review 2023
1 January 2023-31 December 2023

FINAL

Prepared by
Anditi Pty Limited
on behalf of
Oberon Quarries

Project Director:	Peter Jamieson
Report No.	665/Annual Review 2023
Date:	March 2024

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Document Status

Rev No.	Reviewer		Approved for Issue	
	Name	**Date**	**Name**	**Date**
FINAL	Peter Jamieson	20/03/2024	Neil Hargraves	21/03/2024

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1.0 Statement of Compliance

The compliance status of relevant approvals was reviewed for the reporting period (see **Appendix 1**) and is summarised in **Table 1**. This compliance review has been completed based on information provided by the Company, site inspection undertaken by Anditi on 8 February 2024 and information provided in the 2023 Independent Environmental Audit prepared by James Hunt (2023).

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** makes reference to the latest Independent Environmental Audit for the Quarry which is dated 28 February 2023.

The compliance review identified no non-compliances with conditions of SSD_6333 (ten including sub-components), two non-compliances with the same condition of EPL 4442 and no non-compliances with 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 and SSD_6333_Mod_1	Yes
Statement of Commitments (Appendix 2 of SSD_6333)	Yes
EPL 4442	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

Approval	Cond. No.	Condition Description (summary)	Compliance Status	Comment	Where Addressed in Annual Review
SSD_6333	Schedule 2 Condition 2	Quarry operations not undertaken in accordance with conditions of consent	Non-compliant in 2023. Now compliant	Three non-compliances in regard quarry operations were recorded in the 2023 Independent Audit as discussed below.	
	Schedule 3 Condition 26	Review of Rehabilitation Bond	Non-compliant in 2023.	Oberon Quarries CFO completed review of bond within 3 months and determined Schedule 3 conditions 26 a, b, c are unaffected thus no change to the bond was warranted. CFO determined operational footprint had not increased and resources available to complete full site rehab were unchanged. Oberon Quarries notes Bond value was determined on final site completion. Wording of Condition is ambiguous as to whether this assessment where things remain unchanged need to be referred to the Secretary. Oberon Quarries reads the condition as submission to the Secretary was not required.	
	Schedule 3 Condition 30	Oil and Chemicals not correctly bunded	Non-compliant in 2023. Now Complaint	During site inspection on 1 February 2023, several oil and chemical containers were observed not in suitably bunded areas. Oberon Quarries advised that these had been recently delivered to the site and undertook to relocate them to suitably bunded areas. Site inspection on 8 February 2024 showed that oil and chemicals were correctly bunded. Monthly inspection checks and February 2024 inspection show that this has now been corrected.	

Approval	Cond. No.	Condition Description (summary)	Compliance Status	Comment	Where Addressed in Annual Review
	Schedule 5 Condition 1	Environmental inspections should be conducted in accordance the requirements of the Environmental Management Strategy. Monthly inspections were not recorded.	Non-compliant in 2023. Compliant in 2024	Oberon Quarries will implement a process for inspections to be administered and reported monthly despite any other production demands. The WHS/Environmental Officer would be responsible for this. Monthly inspections have been undertaken and recorded throughout 2024	
EPL 4442	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.	Non-Compliant in 2023. Complaint in 2024	2 non-compliances. 1. Oil and chemical were stored outside a suitably bunded area. This has subsequently been rectified. 2. Sediment Dam 3 was not drained within 5 days of a rainfall event. Sediment Dam 3 in now and has been for many years functioned as a farm dam providing stock water. A variation to EPL 4442 has been sought to remove the requirement to drain the dam which is inconsistent with its current purpose.	6.0

2.0 Introduction

2.1 Scope and Format

This document represents the 9th 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 2023 to 31 December 2023 (the reporting period).

The quarry operates under State Significant Development approval SSD_6333 and Modification SSD_6333_Mod_1. A copy of SSD_6333 and SSD_6333_Mod_1 can be accessed via Oberon Quarries website (https:/OberonQuarries.com).

Oberon Quarries plans in 2024 to lodge a development application for a proposed extension to the quarry extraction area as shown on **Figure 1**.

The Report has been prepared in compliance with the requirements of Condition 9 of development consent SSD_6333 (**Table 4**). In addition, the Report 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

Requirements	Address 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) 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 – 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.	Sections 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 2023 to 31 December 2023. 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 2024 to 31 December 2024 (i.e. 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.

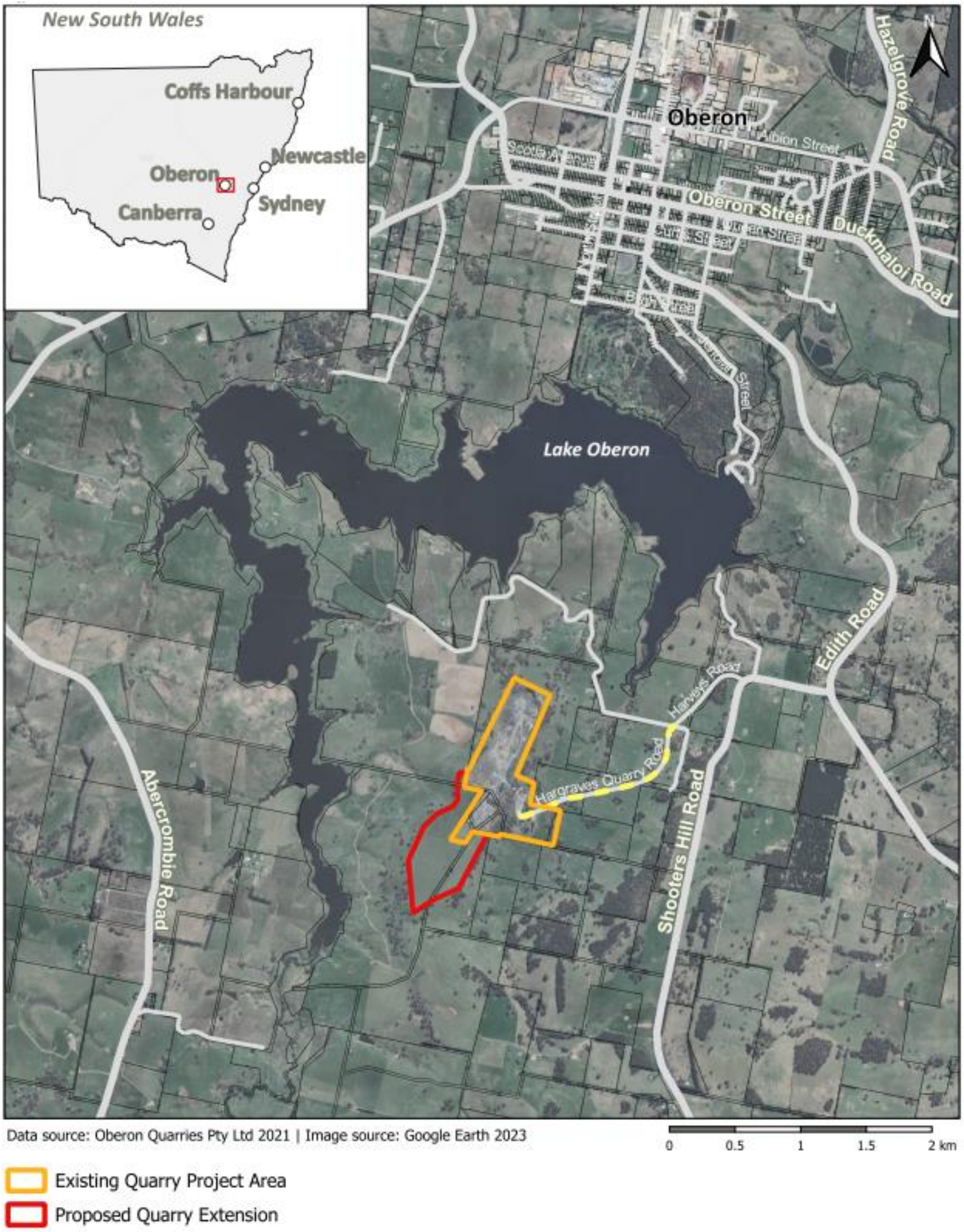

Figure 1 Locality Plan

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 400,000 t per year of quarry products. A modification to development consent (SSD_6333_Mod_1) was granted in November 2023 which enabled product delivery of up to 500,000 tonnes per annum for the 12-month period to December 2023.
- 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.

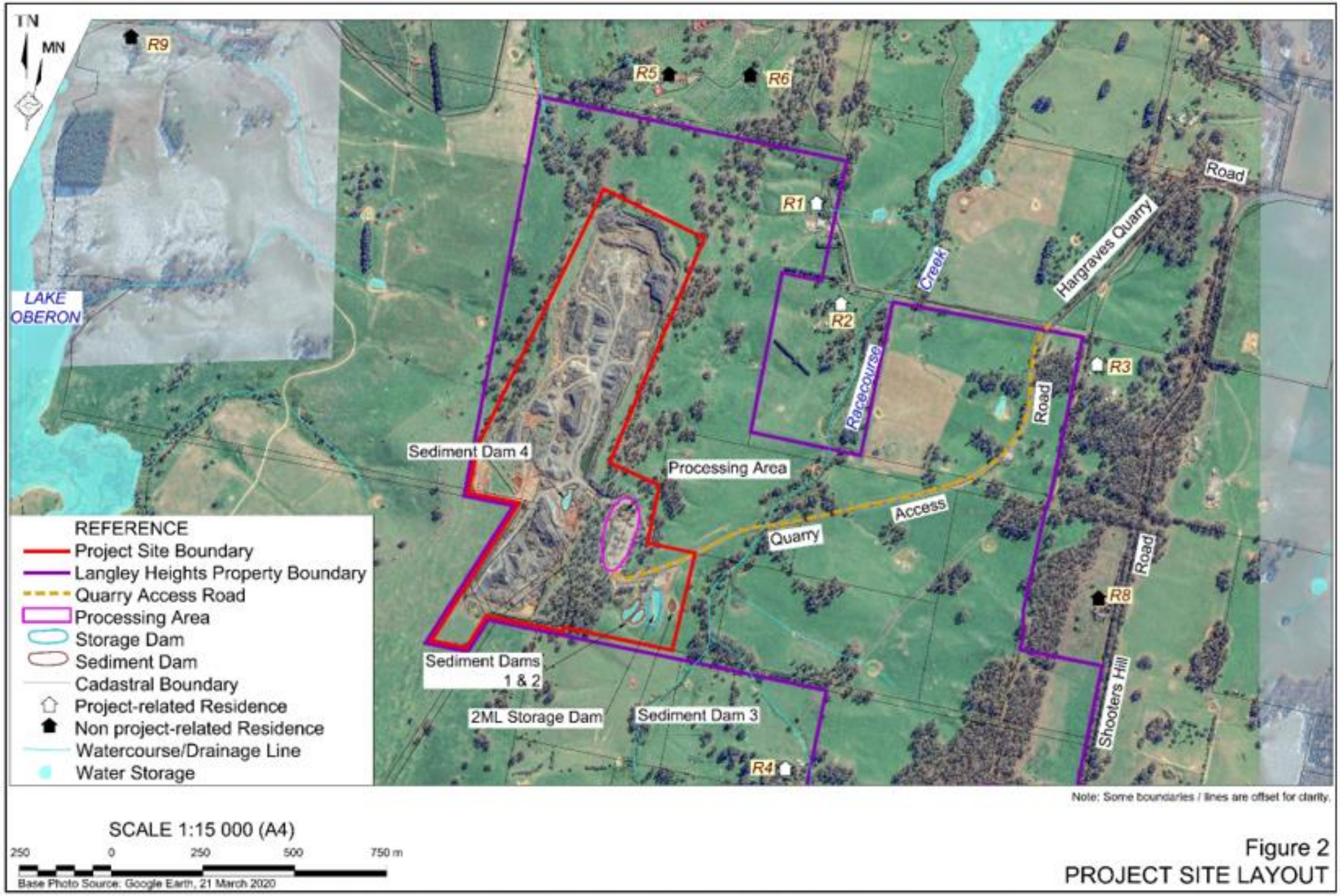

Figure 2 Project Site Layout

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
Emma Terracini	Oberon Quarries Pty Ltd	WHSE Officer	0400490191
Jake Hargraves	Oberon Quarries Pty Ltd	Chief Financial Officer	0425 371 787

3.0 Approvals

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

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.
Development Consent (SSD_6333_Mod_1)	9/11/2023	2045	Modification increasing maximum no. of blast holes from 150 to 300 and for product delivery of up to 500,000 tonnes for the 12-month period ending December 31 2023.
Environment Protection Licence (No. 4442)	11/01/1994	Renewed Annually	Anniversary date 11 January. Current licence version dated 28 March 2023.
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.

4.0 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 2**.

Table 8 Production Summary

Material	Approved limit (specify source)	Previous reporting period (actual)	This reporting period (actual)	Next reporting period (forecast)
Saleable Product[1]	500 000tpa (SSD_6333, Condition 8 of Schedule 2)	290847 tonnes	438540 tonnes	500 000 tonnes[2]

Note 1: Saleable product volumes represent product transported off site, with estimates based on weighbridge data for the reporting period.
Note 2: Oberon Quarries is planning to lodge a new development application for the extension of quarry operations which includes increase maximum annual production from 400,000 tpa to 950,000 tpa

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 the northern end 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 thirteen 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 Greater Sydney and Central NSW 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 reporting period.

No new equipment or plant upgrades were installed at the Quarry during the 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 reporting period and included noise, blasting, air quality, surface water, groundwater and ecological monitoring. The results of these monitoring programs are summarised in **Section 6.0** and **Section 7.0**.

Figure 3 Extraction Area

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 and southern portions of the approved Extraction Area (see **Figure 3**) but will encompass all of the extraction area as remaining rock is removed from the quarry floor as part of completion of extraction in these areas.

The Company does not anticipate that any construction, exploration, or land preparation works will be undertaken within the currently approved extraction area during the next reporting period. The Company notes that a modification to the existing development consent in regard to blasting and maximum annual production was lodged with DPIE in April 2023 and approved on 11 November 2023. A separate development consent for an extension to the approved extraction area is planned to be sought during the next reporting period. The outcomes of any such applications will be reported in the next Annual Review.

It is anticipated that opportunities for progressive rehabilitation will remain limited during the next reporting period due to the fact that additional resource still needs to be extracted from the majority of 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.

5.0 Actions required from previous Annual Review

No actions were required from previous Annual Review.

6.0 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($LA1_{max}$).	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 compliance with the lower airblast overpressure criteria (115dB(L)) on seven occasions during the reporting period. All seven blasts were compliant with the upper airblast overpressure criteria (120dB(L)) during the current reporting period.	Blasting is complaint and well below approval criteria.	No additional management required.
Air Quality	Condition 10 of Schedule 3 of SSD_6333 • Annual Average – PM_{10} 30µg/m³ – TSP 90µg/m³ – deposited dust 2g/m²/month (incremental) and 4g/m²/month (cumulative) • 24-hour average – PM_{10} 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.

Aspect	Approval criteria / EIS prediction	Performance during the reporting period	Trend/key management implications	Implemented/ proposed management actions
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

Long term meteorological data was obtained from the Bureau of Meteorology's (BOM) Oberon (Albion Street) Weather Station (Station No. 063063) located approximately 4.6 km north-northeast of the Quarry. This Weather Station was closed in April 2022. Daily rainfall data for 2023 was sourced from a private residence located approximately 3 km from the quarry.

Table 10 provides the monthly rainfall data for the reporting period.

Table 10 Monthly Rainfall

Rainfall (mm)														
2023	Month	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Total**
	Total	71.6	30.6	65.4	67.2	12	40	34	52	20	55	99.6	142	**689.4**
	No. Days of Rain[3]	10	5	8	5	5	7	6	6	3	3	8	8	**74**
	Max Daily Rainfall	16.6	16	20	37.6	5.6	20	12	17	12	49	22	64	**64**
Long Term Average[1]	Total	79.6	62.2	67.5	56.7	59.4	77.7	70.0	74.4	66.9	77.6	71.6	74.4	835.7
	No. of Rain Days[2]	6.4	6.0	6.2	5.5	6.3	8.9	8.6	8.5	7.4	7.6	6.9	6.4	84.7
	Max Daily Rainfall	111.7	85.2	122.4	62.2	82.8	90.2	81.1	120.0	85.3	74.9	64.8	85.9	122.4
Note 1: Long-term average for period 1888-2021. Note 2: No. days of rain ≥1mm.														
Source: BOM Oberon (Albion Street) Weather Station (Station No. 063063) closed in April 2022 so daily rainfall data for 2023 was sourced from a private residence approximately 3 km from quarry.														

Total rainfall during the reporting period was 689.4 mm, which is approximately 83% of the long-term average of 836 mm.

Figure 5 presents seasonal and annual wind roses for the Quarry.

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.

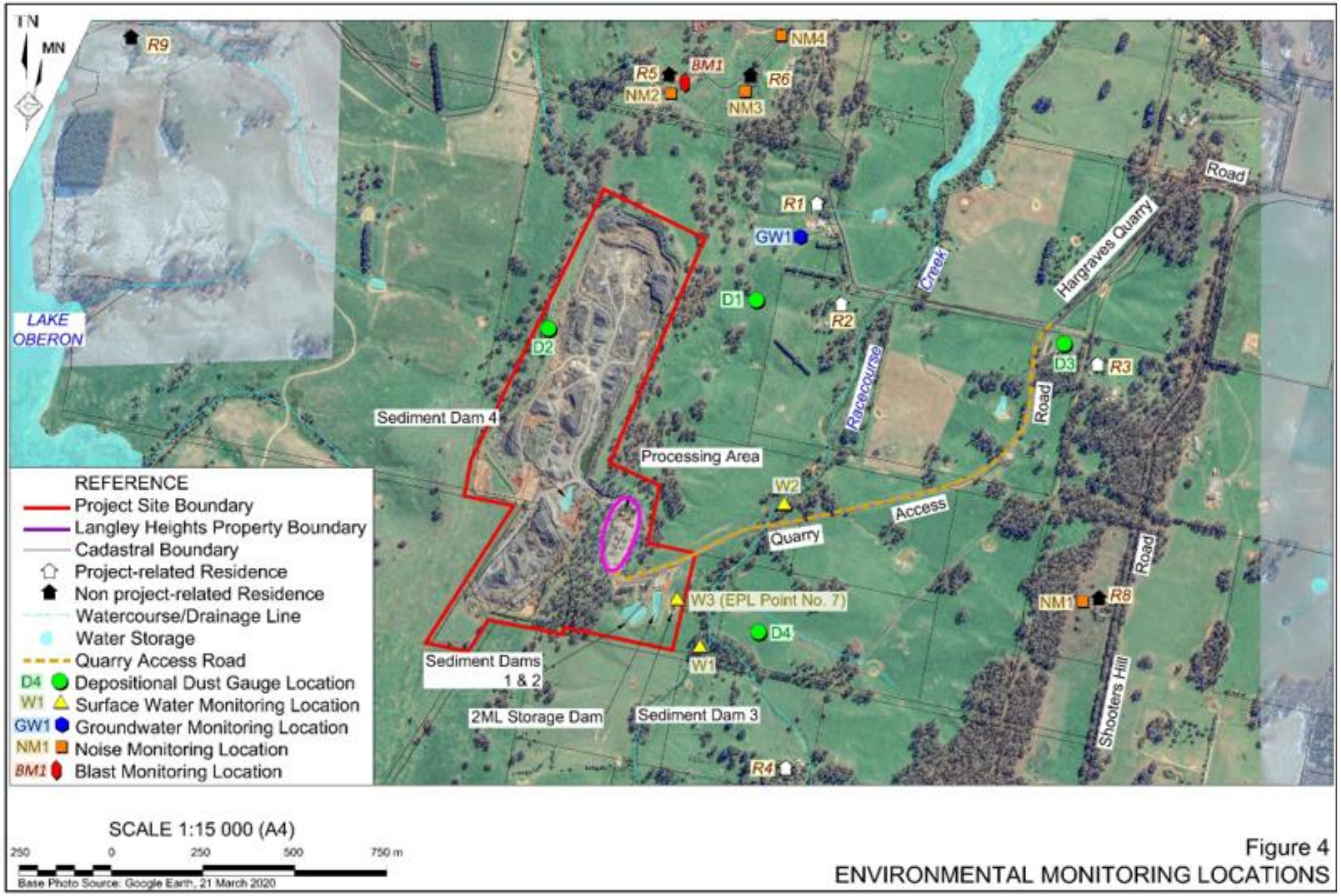

Figure 4 Environmental Monitoring Locations

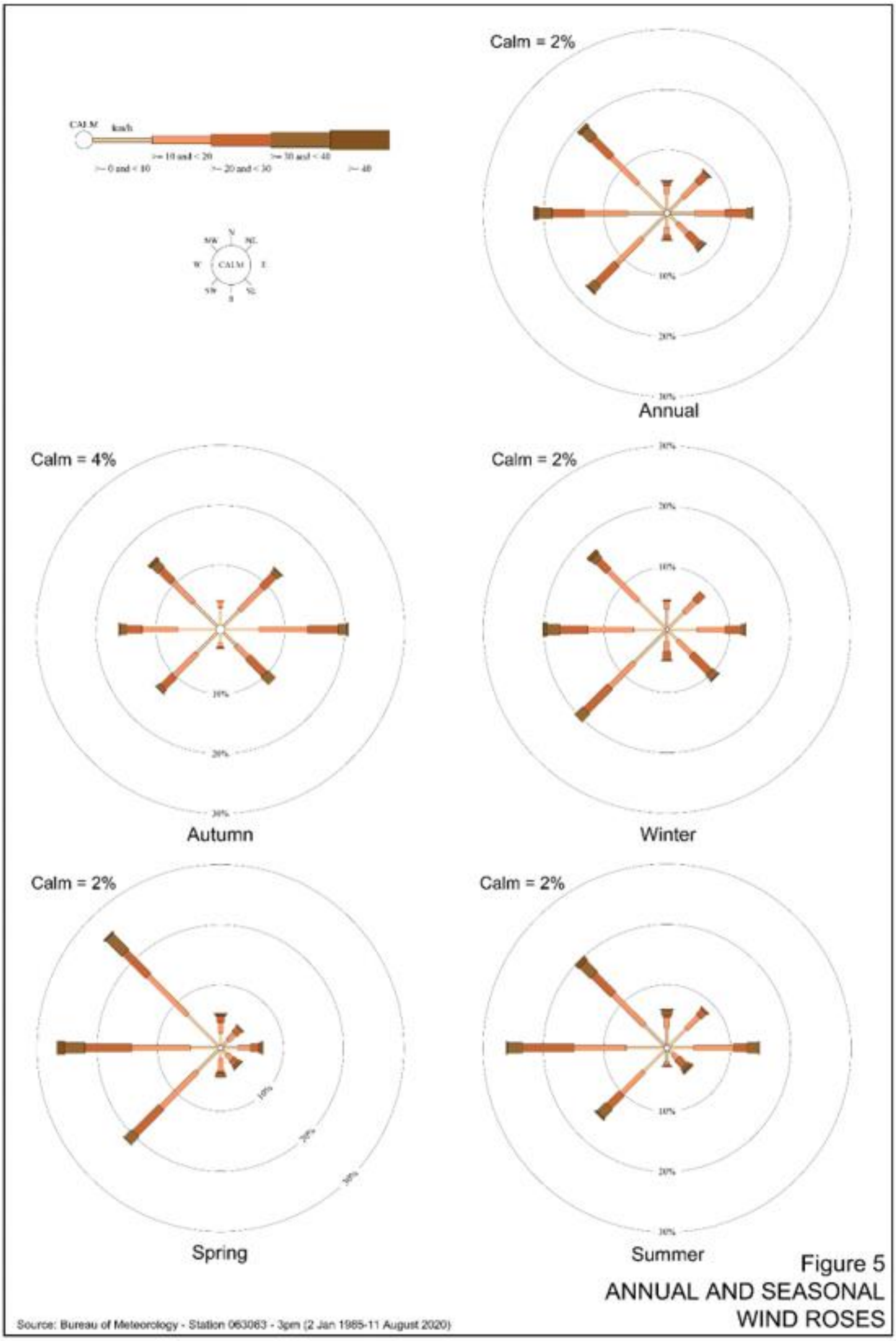

Figure 5 Annual and Seasonal Wind Roses

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.

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 10:00om 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 request 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. 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
- 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 – se**e Figure 4**) to the north of the Quarry during the reporting period.

Environmental Performance

Table 13 presents the results of production blast monitoring undertaken at the Quarry during the reporting period. In summary, a total of seven production blasts were undertaken during the reporting period. Both the lower airblast overpressure criterion (115dB(L)) and higher airblast overpressure criteria were not exceeded in any of the blasts.

Table 13 Oberon Quarry – Blast Monitoring Results – 2023

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	09.01.23	11.44am	0.10	104.90	Yes	Yes
BM1	02.02.23	3.35pm	0.23	106.50	Yes	Yes
BM1	12.04.23	2.15pm	0.178	95.9	Yes	Yes
BM1	17.05.23	11.04am	no trigger	no trigger	Yes	Yes
BM1	28.06.23	10:40am	0.23	102.80	Yes	Yes
BM1	04.08.2023	1.48pm	0.23	101.00	Yes	Yes
BM1	31.08.23	2.19pm	0.27	103.50	Yes	Yes
BM1	27.09.23	1.58pm	0.19	97.50	Yes	Yes
BM1	08.11.23	2.21pm	0.25	105.50	Yes	Yes
BM1	22.11.23	2.34pm	0.21	101.90	Yes	Yes
BM1	23.11.23	9.47am	1.02	105.50	Yes	Yes
BM1	12.12.23	1.40pm	0.10	102.80	Yes	Yes
	20.12.23	12.37pm	0.15	<88	Yes	Yes

Note 1: See **Figure 4**.

Source: Oberon Quarries Pty Ltd.

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 370 m north of the Extraction Area) and residence R6 (approximately 470 m 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 these residences are the closest to the extraction area, it is considered highly unlikely that exceedances occurred at other surrounding non-quarry related residences which are all more distant from the extraction area. No rock popping blasts were undertaken during the reporting period.

Reportable Incidents

There were no reportable incidents in regard to blasting during the reporting period.

Further Improvements

As blasting activities progress toward the southern end of the approved extraction area, the Company will review the feasibility and potential benefits of undertaking blast monitoring at an alternative location or at additional locations during the next reporting period.

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	$30\mu g/m^3$ A, D	
Particulate Matter <10µm (PM_{10})	24 Hour	$50\mu g/m^3$ B	
Total Suspended Particulates (TSP)	Annual	$90\mu g/m^3$ 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: Methods for Sampling and Analysis of Ambient air – Determination of Particulate Matter – Deposited Matter – Gravimetric Method*.
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 PM_{10} criteria is assumed and will only be monitored in the event that a complaint regarding TSP or $PM_{1}0$ 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 0.33g/m^2/month (D3) –) and 3.92g/m^2/month (D1). No exceedances of the cumulative deposited dust criterion value (4g/m^2/month) were recorded at any monitoring location during the reporting period.

Table 15 Oberon Quarry – Depositional Dust Monitoring Results – 2023

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	13	1.12	3.92	2.60
D2	12	13	0.42	3.77	1.84
D3	12	13	0.13	2.58	1.35
D4	12	13	0.71	3.85	2.71
Note 1: Values reported represent total solids (i.e. comprising both soluble and insoluble solids).					
Note 2: Large amounts of bird droppings were observed in samples collected at D1 in October 2023 and at D4 in January 2023 with total solids of 29.4 g/m^2/month and 13.2 g/m^2/month respectively. Both of these results were not considered as indicative of operations due to the large amount of bird droppings present and were therefore excluded from reporting.					
Source: Oberon Quarries Pty Ltd					

Reportable Incidents

No reportable air quality incidents were recorded during the 2022 Annual Review reporting period.

Further improvements

No improvements relating to air quality management are planned or considered necessary.

6.6 Biodiversity

Approval to disturb vegetation occupying the footprint of the Extraction Area was granted under the previous development consent (DA 92/164) and current approval SSD_6333. Further biodiversity assessments were undertaken in 2023 as part of the preparatory work for the proposed extension to quarry activities. As part of this assessment a series of biodiversity plots were established within and surrounding the existing quarry and proposed quarry extension.

No significant or ongoing impacts on threatened species or ecological communities were identified as part of the 2023 assessment.

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 not commence before 2029.

It is also noted that approval will be sought as part of the proposed extension to quarry operations, to backload ENM and VENM to the quarry to assist in filling the void created by extraction activities. If backloading of ENM and VENM is approved, rehabilitation of the final landform will not occur before sections of the quarry void are filled to final level.

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. This will where possible use the biodiversity monitoring plots that were established in 2023 as mentioned above.

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

Apart from archaeological surveys undertaken for the proposed extension to quarry operations, 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 2023 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 10 t per year.

Collection and disposal of industrial waste is undertaken as required.

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.

7.0 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 40 m above the adjacent Processing Area. Due to this locally elevated position, the potential catchment area upslope of and adjacent to the Extraction Area is very small. 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.

Runoff from the quarry that is potentially sediment laden water is captured by a series of sediment dams and catch drains which have been established within and around 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 Sediment Dam 5 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 storage capacity of in excess of 8.15 ML with an additional 33.6 ML of surcharge capacity provided by the Extraction Area and sediment dams. Once entrained sediment has settled out in the sediment dams and 2 ML Storage Dam, water in excess of the capacity of the 2ML Storage Dam drains to a 100 m grassed level spreader located approximately 120 m 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 (154 mm). Stored water is utilised for dust suppression on site, with an additional two 11 kL water tanks providing a contingency water supply during prolonged dry periods. No discharge from Sediment Dam 3 or the 2 ML Storage Dam occurred during the reporting period. No discharge from the 2 ML 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 Dams 4&5 and 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 2 ML 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).

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

Table 17 Surface Water Quality – Trigger Levels

Pollutant	Trigger Level W1 and W2
pH	>8.5
Oil and Grease (mg/L)	>5
Total Suspended Solids[2] (mg/L)	-
Electrical Conductivity (µS/cm)	>300
Turbidity (NTU)	>450
Total Nitrogen[3] (mg/L)	>4.5
Total Phosphorous (mg/L)	>5.0

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 13 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.

Table 18 Summary[1,2] of Surface Water Quality Monitoring Results – 2023

Location	No. Samples	pH	EC (µS/cm)	NTU	TSS (mg/L)	TKN (mg/L)	Total P (mg/L)	Oil and Grease (mg/L)
W1	13							
Min		6.9	80	7.2	4	0.4	<0.1	<0.5
Ave		7.1	94	13.9	10	0.9	<0.1	<0.5
Max		7.4	110	19.0	19	1.4	<0.1	<0.5
W2	13							
Min		6.8	80.0	6.9	4.0	0.4	<0.1	<0.5
Ave		7.1	94.6	13.8	9.5	0.8	<0.1	<0.5
Max		7.4	115.0	20.0	19.0	1.6	0.2	<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 7.4, 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 4**). 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 high of 115µS/cm (W1 and W2). These EC measurements remain well below the relevant trigger level of 300µS/cm.

Turbidity

Turbidity measurements during the reporting period ranged between 6.9 NTU and 20 NTU, with both monitoring locations displaying similar ranges. 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 4 mg/L and 191 mg/L. 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 0.4 mg/L and 1.6 mg/L, with little variability apparent between the two monitoring locations. These values remain well below the relevant trigger level of 4.5 mg/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 <0.1 mg/L and 0.2 mg/L, with little variability evident between the two monitoring locations. These concentrations remained well below the relevant trigger level of 5 mg/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. <0.5 mg/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 groundwater is undertaken monthly at monitoring location GW1 (see **Figure 4**) in accordance with the approved Water Management Plan for the Quarry. Monitoring location GW1 is 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.

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 13 times during the reporting period. **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.

Table 20 Groundwater Monitoring Results[1] – 2023

Location[2]	No. Samples	pH	EC (uS/cm)
GW1	13	6.8 – 7.3 (7.1)	230 – 400 (285.4)
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. However, no values exceeded the relevant trigger level (9.2).

Electrical Conductivity

Measurements of groundwater EC ranged between 230µS/cm and 400µS/cm during the reporting period and remained well below the trigger level of 450µS/cm. Values recorded during the reporting period remained consistent with historical ranges recorded since 2016.

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.

8.0 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 – 2021

Quarry Area Type	Previous Reporting Period (Actual)	This Reporting Period (Actual)	Next Reporting Period (Forecast)
	2022	2023	2024
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 (29.82 ha) 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 Rehabilitation Bond

Oberon Quarries completed a review of the rehabilitation bond and determined that conditions at the quarry had not changed in terms of rehabilitation and closure of the quarry. The Chief Financial Officer determined that the operational footprint had not increased and that the availability of resources and material for rehabilitation had not materially changed since the bond was last reviewed. On this basis it was determined the current bond was adequate.

8.3 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.

9.0 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
- Oberon Rodeo
- Bathurst Harness Club
- Hawkesbury District Agricultural Association.

9.2 Community Complaints

The Quarry's complaints handing, 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. It is noted that no complaints were received during the reporting period, and thus, no action or follow ups were required in this instance.

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.
2021	No complaints received.	
2022	No complaints received.	
2023	No complaints received	

Source: Oberon Quarries Pty Ltd

10.0 Independent Environmental Audit

The last independent environmental audit of the Quarry was undertaken at the end of the 2022 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 2020 to 30 November 2022. A copy of the audit, together with the Company's response can be accessed via Oberon Quarries website (https:/OberonQuarries.com).

The next independent environmental audit for the Quarry is due to be undertaken in December 2025 and will cover the period from 1 December 2022 to 30 November 2025.

11.0 Incidents and Non-compliances during the Reporting Period

There were no recorded exceedances or incidents at Oberon Quarry during the reporting period.

During the reporting period, no complaints, official cautions, penalty notices or prosecution proceedings were received by the Company.

There were no non-compliances identified during the reporting period. A complete compliance review is presented in **Appendix 1**.

12.0 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 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 monthly inspections and reporting
- Ongoing weed control and maintenance of water management structures.
- Review and, if necessary, revision of management plans for the Quarry following the submission of this Annual Review in accordance with Condition 5 of Schedule 5 of SSD_6333.
- Update the Company website, as required, to include the 2023 Annual Review and any updated management plans.

Appendix 1 Compliance Review

Table A2.1 Compliance with Development Consent (SSD_6333)

Consent Condition	Summary of Condition	Compliance	Comment
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.	Noted	
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.*	compliant	
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.	Noted	
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.	Noted	
LIMITS ON CONSENT			
Quarrying Operations			
6.	The Applicant shall not extract extractive materials below a level of 1125 m AHD.	Compliant	Last surveyor report conveyed depth of 1149m. The Company confirms it has not extracted below level of 1125m.

Consent Condition	Summary of Condition	Compliance	Comment
SCHEDULE 2 ADMINISTRATIVE CONDITIONS			
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.*	Noted	
Production Limits			
8.	The Applicant shall not transport more than 400,000 tonnes of quarry products from the site in any calendar year.	Compliant	Modification SSD_6333_Mod_1 granted in November 2023 allowed for production of up to 500,000 tonnes of quarry product for the 12 month period ending 31 December 2023. In total 438,540 tonnes were produced in 2023.
9.	The Applicant shall not transport more than 3,000 tonnes of quarry products from the site on any day.	Compliant	
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.*	Noted	
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	

Consent Condition	Summary of Condition	Compliance	Comment
SCHEDULE 2 ADMINISTRATIVE CONDITIONS			
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.*	Compliant	
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.	Compliant	
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.*	Compliant	
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.	Compliant	
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).	Compliant	

<table>
<tr><th>Consent Condition</th><th>Summary of Condition</th><th>Compliance</th><th>Comment</th></tr>
<tr><td colspan="4">SCHEDULE 2 ADMINISTRATIVE CONDITIONS</td></tr>
<tr><td colspan="4">IDENTIFICATION OF APPROVED EXTRACTION LIMITS</td></tr>
<tr><td>17.</td><td>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.</td><td>Compliant</td><td>Survey completed by Central West Surveying depicting boundaries and depth and submitted by 30 November 2015</td></tr>
<tr><td>18.</td><td>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.</td><td>Compliant</td><td></td></tr>
<tr><td colspan="4">DEVELOPMENT CONTRIBUTIONS</td></tr>
<tr><td>19.</td><td>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.</td><td>Compliant</td><td></td></tr>
<tr><td colspan="4">SCHEDULE 3 ENVIRONMENTAL PERFORMANCE CONDITIONS</td></tr>
<tr><td colspan="4">NOISE</td></tr>
<tr><td colspan="4">Hours of Operation</td></tr>
<tr><td>1.</td><td>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 6 pm 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>
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.</td><td>Compliant</td><td></td></tr>
</table>

<table>
<tr><th>Consent Condition</th><th>Summary of Condition</th><th>Compliance</th><th>Comment</th></tr>
<tr><td colspan="4">SCHEDULE 2 ADMINISTRATIVE CONDITIONS</td></tr>
<tr><td>2.</td><td>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.</td><td>Noted</td><td></td></tr>
</table>

<table>
<tr><th>Consent Condition</th><th>Summary of Condition</th><th>Compliance</th><th>Comment</th></tr>
<tr><td colspan="4">Noise Impact Assessment Criteria</td></tr>
<tr><td>3.</td><td>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>
<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>
<tr><td>All privately-owned residences</td><td>35</td><td>35</td><td>45</td></tr>
</table>
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.</td><td>Compliant</td><td></td></tr>
</table>

<table>
<tr><th>Consent Condition</th><th>Summary of Condition</th><th>Compliance</th><th>Comment</th></tr>
<tr><td colspan="4">Operating Conditions</td></tr>
<tr><td>4.</td><td>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
(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.</td><td>Compliant</td><td>Noise monitoring is no longer undertaken, unless a noise complaint is received from an adjoining landholder. No noise complaints were received in the reporting period</td></tr>
<tr><td colspan="4">Noise Management Plan</td></tr>
<tr><td>5.</td><td>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.</td><td>Compliant</td><td></td></tr>
<tr><td colspan="4">BLASTING</td></tr>
<tr><td colspan="4">Blasting Impact Assessment Criteria</td></tr>
<tr><td>6.</td><td>The Applicant shall ensure that blasting on site does not cause any exceedance of the criteria in Table 3.
Table 3: Blasting Criteria
<table>
<tr><th>Location</th><th>Airblast overpressure (dB(Lin Peak))</th><th>Ground vibration (mm/s)</th><th>Allowable exceedance</th></tr>
<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>
</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.</td><td>Complaint</td><td>13 production blasts were undertaken during the reporting period. No blasts exceeded the 115 dB(Lin Peak) limit.</td></tr>
</table>

Consent Condition	Summary of Condition	Compliance	Comment
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.*	Compliant	
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.	Compliant	
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.	Compliant	

<table>
<tr><th>Consent Condition</th><th>Summary of Condition</th><th>Compliance</th><th>Comment</th></tr>
<tr><td colspan="4">AIR QUALITY</td></tr>
<tr><td colspan="4">Air Quality Impact Assessment Criteria</td></tr>
<tr><td>10.</td><td>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 colspan="2">Criterion</th></tr>
<tr><td>Particulate matter < 10 μm (PM_{10})</td><td>Annual</td><td colspan="2">[a,d] 30 $\mu g/m^3$</td></tr>
<tr><td>Particulate matter < 10 μm (PM_{10})</td><td>24 hour</td><td colspan="2">[b] 50 $\mu g/m^3$</td></tr>
<tr><td>Total suspended particulates (TSP)</td><td>Annual</td><td colspan="2">[a,d] 90 $\mu g/m^3$</td></tr>
<tr><td>[c] Deposited dust</td><td>Annual</td><td>[b] 2 g/m^2/month</td><td>[a,d] 4 g/m^2/month</td></tr>
</table>
Notes to Table 4:
a) 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) 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) d Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents or any other activity agreed by the Secretary.
e) 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.</td><td>Compliant</td><td>Monthly dust deposition monitoring is undertaken; however, no TSP or Particulate matter testing is undertaken. Therefore, compliance against the TSP and Particulate Matter criteria could not be verified.

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.</td></tr>
</table>

Consent Condition	Summary of Condition	Compliance	Comment
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.	Compliant	
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.	Compliant	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.

Consent Condition	Summary of Condition	Compliance	Comment
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.	Compliant	
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.*	Compliant	
Water Pollution			
15.	Unless an EPL authorises otherwise, the Applicant shall comply with Section 120 of the POEO Act.	Compliant	
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: 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;	Compliant	

Consent Condition	Summary of Condition	Compliance	Comment
	(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; 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 (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.		

Consent Condition	Summary of Condition	Compliance	Comment
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.	Compliant	
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.	Compliant	
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.	Compliant	
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.*	Noted	

Consent Condition	Summary of Condition	Compliance	Comment
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.	Compliant	
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.	Compliant	

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

Consent Condition	Summary of Condition	Compliance	Comment
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.*	Compliant	

Consent Condition	Summary of Condition	Compliance	Comment
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: (a) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary; (b) provide details of the conceptual final landform and associated land uses for the site; (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; (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; (e) include a program to monitor and report on the effectiveness of these measures, and progress against the performance and completion criteria; (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 (g) include details of who would be responsible for monitoring, reviewing, and implementing the plan.	Compliant	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.

Consent Condition	Summary of Condition	Compliance	Comment
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, considering 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. *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.*	Compliant	The required rehabilitation bond is in place.
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.	Non-Compliant	Review of the bond was undertaken by Oberon Quarries CFO. The analysis indicated that it was not necessary to revise the bond amount and as such the Secretary was not consulted.
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.	Compliant	

Consent Condition	Summary of Condition	Compliance	Comment
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.	Compliant	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.
29.	Except as expressly permitted in an EPL, the Applicant must not receive waste at the site for storage, treatment, processing, reprocessing or disposal.	Compliant	
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.	Compliant	
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*.	Compliant	
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.	Compliant	

Consent Condition	Summary of Condition	Compliance	Comment
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).	Compliant	
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.	Compliant	

Consent Condition	Summary of Condition	Compliance	Comment
SCHEDULE 5 ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING			
NOTIFICATION OF LANDOWNERS			
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.	Compliant	

Consent Condition	Summary of Condition	Compliance	Comment
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.*	Compliant	
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.	Compliant	

Consent Condition	Summary of Condition	Compliance	Comment
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.*	Compliant	
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.*	Compliant	

Consent Condition	Summary of Condition	Compliance	Comment
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) (a) take all reasonable and feasible steps to ensure that the exceedance ceases and does not reoccur; (b) (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) (c) implement remediation measures as directed by the Secretary; to the satisfaction of the Secretary.	Compliant	
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.	Compliant	
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.	Compliant	

Consent Condition	Summary of Condition	Compliance	Comment
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.	Compliant	

Consent Condition	Summary of Condition	Compliance	Comment
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.*	Non-Compliant	
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.	Compliant	

Consent Condition	Summary of Condition	Compliance	Comment
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.	Compliant	

Table A2-2
Compliance with Environment Protection Licence No. 4442

<table>
<tr><th>No.</th><th>Summary of Condition</th><th>Compliance</th><th>Comment</th></tr>
<tr><td colspan="4">1 ADMINISTRATIVE CONDITIONS</td></tr>
<tr><td colspan="4">A1 What the licence authorises and regulates</td></tr>
<tr><td>A1.1</td><td>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></td><td>Compliant</td><td></td></tr>
<tr><td colspan="4">A2 Premises or plant to which this licence applies</td></tr>
<tr><td>A2.1</td><td>The licence applies to the following premises:
<table>
<tr><th>Premises Details</th></tr>
<tr><td>"LANGLEY HEIGHTS" HARD ROCK QUARRY</td></tr>
<tr><td>HARGRAVES QUARRY ROAD</td></tr>
<tr><td>OBERON</td></tr>
<tr><td>NSW 2787</td></tr>
<tr><td>LOT 94 DP 757067, LOT 107 DP 757067, LOT 108 DP 757067, LOT 2 DP 845776, LOT 3 DP 845776, LOT 3 DP 1087170</td></tr>
<tr><td>PARISH OF NORWAY, OBERON LOCAL GOVERNMENT AREA</td></tr>
</table></td><td>Compliant</td><td></td></tr>
<tr><td colspan="4">A3 Information supplied to the EPA</td></tr>
<tr><td>A3.1</td><td>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.</td><td>Compliant</td><td></td></tr>
<tr><td colspan="4">2 DISCHARGES TO AIR AND WATER AND APPLICATIONS TO LAND</td></tr>
<tr><td colspan="4">P1 Location of monitoring/discharge points and areas</td></tr>
<tr><td>P1.1</td><td>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>
<tr><th>EPA identi-fication no.</th><th>Type of Monitoring Point</th><th>Type of Discharge Point</th><th>Location Description</th></tr>
<tr><td>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>
</table></td><td>Noted</td><td></td></tr>
</table>

<table>
<tr><th>No.</th><th>Summary of Condition</th><th>Compliance</th><th>Comment</th></tr>
<tr><td>P1.2</td><td>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.</td><td>Noted</td><td></td></tr>
<tr><td>P1.3</td><td>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>
<tr><th>EPA Identi-fication no.</th><th>Type of Monitoring Point</th><th>Type of Discharge Point</th><th>Location Description</th></tr>
<tr><td>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>
</table></td><td>Noted</td><td></td></tr>
<tr><td colspan="4">3 LIMIT CONDITIONS</td></tr>
<tr><td colspan="4">L1 Pollution of waters</td></tr>
<tr><td>L1.1</td><td>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.</td><td>Compliant</td><td></td></tr>
<tr><td colspan="4">L2 Concentration limits</td></tr>
<tr><td>L2.1</td><td>For each monitoring/discharge point or utilisation area specified in the table\s below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.</td><td>Compliant</td><td></td></tr>
<tr><td>L2.2</td><td>Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.</td><td>Compliant</td><td></td></tr>
<tr><td>L2.3</td><td>To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table\s.</td><td>Noted</td><td></td></tr>
<tr><td>L2.4</td><td>Water and/or Land Concentration Limits
POINT 7
<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></td><td>Compliant</td><td></td></tr>
<tr><td colspan="4">L3 Waste</td></tr>
<tr><td>L3.1</td><td>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.</td><td>Compliant</td><td></td></tr>
<tr><td>L3.2</td><td>This condition only applies to the storage, treatment, processing, reprocessing or disposal of waste at the premises if it requires an environment protection licence.</td><td>Compliant</td><td></td></tr>
</table>

No.	Summary of Condition	Compliance	Comment
L4 Noise Limits			
L4.1	Noise from the premises must not exceed: a) 36 dB(A) $L_{Aeq(15\ minute)}$ during the day (7am to 6pm) Monday to Friday and 7.00am to 5.00pm Saturday ; and b) 35 dB(A) $L_{Aeq(15\ minute)}$ during the evening (6pm to 10pm) Monday to Friday; and c) at all other times 35 dB(A) $L_{Aeq\ (15\ minute)}$, except as expressly provided by this licence. Where L_{Aeq} 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.	Compliant	
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)".	Compliant	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 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.
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 considered in determining whether or not the limit has been exceeded.	Compliant	
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 considered in determining whether or not the limit has been exceeded.	Compliant	

No.	Summary of Condition	Compliance	Comment
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 considered in determining whether or not the limit has been exceeded.	Compliant	
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 considered in determining whether or not the limit has been exceeded.	Compliant	
Note:	1. The airblast overpressure and ground vibration levels in conditions L5.1 to L5.4 do not apply at noise sensitive locations that are owned by the licensee or subject to a private agreement, relating to airblast overpressure and ground vibration levels, between the licensee and land owner. 2. "Noise sensitive locations" includes buildings used as a residence, hospital, school, child care centres, places of public worship and nursing homes. A noise sensitive location includes the land within 30 metres of the building.	Noted	
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.	Compliant	
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.	Compliant	
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.	Compliant	
O3 Dust			
O3.1	The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.	Compliant	

No.	Summary of Condition	Compliance	Comment
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.	Compliant	A variation to EPL 4442 has been sought to remove the requirement for Sediment Dam 3 to be drained within 5 days of rainfall as this dam is now a farm providing water for stock.
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.	Compliant	
O4.3	The licensee must undertake maintenance to desilt all sediment ponds to retain their design storage capacities.	Compliant	
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.	Compliant	
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.	Compliant	
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.	Compliant	
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:	Noted	
M2.2	Air Monitoring Requirements **POINT 1**	compliant	

Pollutant	Units of measure	Frequency	Sampling Method
Particulates - Deposited Matter	grams per square metre per month	Monthly	AM-19

POINT 2

Pollutant	Units of measure	Frequency	Sampling Method
Particulates - Deposited Matter	grams per square metre per month	Monthly	AM-19

POINT 3

<table>
<tr><th>No.</th><th>Summary of Condition</th><th>Compliance</th><th>Comment</th></tr>
<tr><td></td><td><table><tr><th>Pollutant</th><th>Units of measure</th><th>Frequency</th><th>Sampling Method</th></tr><tr><td>Particulates - Deposited Matter</td><td>grams per square metre per month</td><td>Monthly</td><td>AM-19</td></tr></table>
POINT 4
<table><tr><th>Pollutant</th><th>Units of measure</th><th>Frequency</th><th>Sampling Method</th></tr><tr><td>Particulates - Deposited Matter</td><td>grams per square metre per month</td><td>Monthly</td><td>AM-19</td></tr></table></td><td></td><td></td></tr>
<tr><td>M2.3</td><td>Water and/ or Land Monitoring Requirements
POINT 7
<table><tr><th>Pollutant</th><th>Units of measure</th><th>Frequency</th><th>Sampling Method</th></tr><tr><td>Oil and Grease</td><td>milligrams per litre</td><td>Weekly during any discharge</td><td>Grab sample</td></tr><tr><td>pH</td><td>pH</td><td>Weekly during any discharge</td><td>Grab sample</td></tr><tr><td>Total suspended solids</td><td>milligrams per litre</td><td>Weekly during any discharge</td><td>Grab sample</td></tr></table></td><td>Compliant</td><td></td></tr>
<tr><td colspan="4">M3 Testing methods - concentration limits</td></tr>
<tr><td>M3.1</td><td>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.</td><td>Compliant</td><td></td></tr>
<tr><td>Note:</td><td>The Protection of the Environment Operations (Clean Air) Regulation 2010 requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW".</td><td>Noted</td><td></td></tr>
<tr><td>M3.2</td><td>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.</td><td>Compliant</td><td></td></tr>
<tr><td colspan="4">M4 Recording of pollution complaints</td></tr>
<tr><td>M4.1</td><td>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.</td><td>Compliant</td><td></td></tr>
</table>

No.	Summary of Condition	Compliance	Comment
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.	Compliant	
M4.3	The record of a complaint must be kept for at least 4 years after the complaint was made.	Compliant	
M4.4	The record must be produced to any authorised officer of the EPA who asks to see them.	Compliant	
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.	Compliant	
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.	Compliant	
M5.3	The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.	Noted	
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.	Compliant	
R1.2	An Annual Return must be prepared in respect of each reporting period, except as provided below.	Compliant	
Note:	The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.	Noted	

No.	Summary of Condition	Compliance	Comment
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	
Note:	An application to transfer a licence must be made in the approved form for this purpose.	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	
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').	Compliant	
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.	Compliant	
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.	Compliant	
R2 Notification of environmental harm			
R2.1	R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.	Noted	
Note:	The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.	Noted	
R2.2	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.	Noted	

No.	Summary of Condition	Compliance	Comment
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.	Noted	
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.	Noted	
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; and g) any other relevant matters.	Noted	
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	A copy of this licence must be kept at the premises to which the licence applies.	Compliant	
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.	Compliant	

Appendix 2: Truck Movement and Production Summary

OBERONQUARRIES

JANUARY 2023 – December 2023

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 2023 through to December 2023 Oberon Quarries recorded the following information:

2023

January 2023	There were 1345 truck movements for the month and a total of 37,101.80 tonnes of material that left the quarry.
February 2023	There were 1395 truck movements for the month and a total of 35,103.04 tonnes of material that left the quarry.
March 2023	There were 1267 truck movements for the month and a total of 33,874.51 tonnes of material that left the quarry.
April 2023	There were 1239 truck movements for the month and a total of 36,096.89 tonnes of material that left the quarry.
May 2023	There were 1504 truck movements for the month and a total of 43,361.98 tonnes of material that left the quarry.
June 2023	There were 1431 truck movements for the month and a total of 41,925.65 tonnes of material that left the quarry.
July 2023	There were 1408 truck movements for the month and a total of 36,870.73 tonnes of material that left the quarry.
August 2023	There were 1380 truck movements for the month and a total of 39,277.15 tonnes of material that left the quarry.
September 2023	There were 1381 truck movements for the month and a total of 39,401.74 tonnes of material that left the quarry.
October 2023	There were 1414 truck movements for the month and a total of 40,086.11 tonnes of material that left the quarry.
November 2023	There were 1236 truck movements for the month and a total of 33,019.80 tonnes of material that left the quarry.
December 2023	There were 803 truck movements for the month and a total of 22,420.63 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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