

Appendices

Appendix 1 Compliance Tables for Consents and Licences

- DA 283/97 Operation of the Quarry
- DA 1127/2005 Operation of Asphalt Plant
- DA 769/2009 Operation of Recycling Plant
- Environment Protection Licence 3393

Appendix 2 Summary of Environmental Management Monitoring

Appendix 3 Regeneration Activities Report – June 2023

Appendix 1

Compliance Tables for Consents and Licences supplied by Pacific Blue Metal Pty Ltd

Table A1.1	DA 283/97 Operation of the Quarry
Table A1.2	Environment Protection Licence 3393
Table A1.3	DA 1127/2005 Operation of Asphalt Plant
Table A1.4	DA 769/2009 Operation of Recycling Plant

(Total No. of pages including blank pages = 61)

DA 283/97 MOD4

Internal Audit

July 2022 – June 2023

An audit of **all conditions** of DA 283/97 MOD4 is undertaken on an Annual Basis in June each year to align with the Annual Review reporting period (July-June).

In addition, a half year audit of all **environmental conditions** is undertaken in December each year. Environmental conditions are listed in Table 2 of the EMS and each relevant Management Plan

The aim of the audit schedule is to aid in the ongoing assessment and continual improvement of the performance of the project

During the Audit each condition is assigned a Status Category along with additional descriptive comments as required. These categories are set out in the DPIE document titled *Requirement 1 Compliance Reporting Post Approval Requirements* (May 2020).

Status Categories:

- Compliant
- Non-compliant
- Not Triggered

SCHEDULE 2 – ADMINISTRATIVE CONDITIONS

Condition Number	Condition	Status Dec 2022 Environmental conditions	Status June 2023 All conditions	Comments
2(1)	In addition to meeting the specific performance 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.	Compliant	Compliant	
2(2)	The Applicant shall carry out the development in accordance with the EIS, EA (Mod 1), EA (Mod 2), EA (Mod 3) and EA (Mod 4).	N/A	Compliant	Note: Mod 1 and Mod 2 were administrative modifications only and did not require an EA.
2(3)	The Applicant shall carry out the development in accordance with the Development Layout Plans and the conditions of this consent.	N/A	Compliant	
2(4)	If there is any inconsistency between the documents identified in Condition 2, the more recent document shall prevail to the extent of the inconsistency. However the conditions of this consent shall prevail to the extent of any inconsistency.	N/A	Not triggered	
2(5)	The Applicant shall comply with any reasonable requirement/s of the Secretary arising from the Department's assessment of: <ul style="list-style-type: none"> (a) any strategies, plans, programs, reviews, audits, reports or correspondence that are submitted in accordance with this consent (including any stages of these documents); (b) any reviews, reports or audits commissioned by the Department regarding compliance with this consent; and (c) the implementation of any actions or measures contained in these documents. 	N/A	Compliant	
2(6)	The Applicant may carry out quarrying operations on the site until 31 March 2046. Note: Under this consent, the Applicant is required to rehabilitate the site and perform additional undertakings to the satisfaction of the Secretary. Consequently, this consent will continue to apply on all other respects other than the right to conduct quarrying operations until the rehabilitation of the site and those undertakings have been carried out satisfactorily.	N/A	Compliant	

2(7)	The Applicant shall not extract extractive materials below a level of 45 metres AHD.	N/A	Compliant	No materials extracted below 45m AHD										
2(8)	The Applicant shall not extract more than 16.2 million tonnes of extractive material from the site under this consent.	N/A	Compliant	Since 1 April 2016, 1,976,755 tonnes of extractive material have been extracted and sold.										
2(9)	The Applicant shall not transport more than 500,000 tonnes of quarry products from the site in any calendar year.	N/A	Compliant	The quantity of quarry products transported from site in the 2022-2023 period was 337 913 tonnes										
2(10)	<p>The Applicant shall that:</p> <p>(a) no more than 36 truck movements occur per hour; and</p> <p>(b) no more than 420 truck movements occur per day.</p> <p>Note: Truck movements mean heavy vehicle one-way trips, either entering or leaving the site, including trucks associated with the asphalt and recycling activities.</p>	N/A	Compliant	<p>Maximum hourly truck movements was 36 which occurred between 10:00am-11:00am 04 November 2022.</p> <p>Maximum daily truck movements was 234 which occurred on 28 July 2022.</p>										
2(11)	<p>The Applicant shall comply with the operating hours in Table 1.</p> <table border="1" data-bbox="322 810 1223 1190"> <thead> <tr> <th><i>Activity</i></th> <th><i>Operating Hours</i></th> </tr> </thead> <tbody> <tr> <td>Extraction and processing operations</td> <td>6:30 am to 6 pm Monday to Friday 7 am to 3 pm Saturday</td> </tr> <tr> <td>Maintenance operations</td> <td>6 am to 9 pm Monday to Friday 6 am to 9 pm Saturday</td> </tr> <tr> <td>Loading and dispatch of laden trucks</td> <td>6:30 am to 6 pm Monday to Friday 7 am to 3 pm Saturday</td> </tr> <tr> <td>Blasting</td> <td>9 am and 3 pm Monday to Friday. No blasting is allowed on Saturdays, Sundays or public holidays, or at any other time without the written approval of the Secretary.</td> </tr> </tbody> </table> <p>The following activities may be carried out on the site outside of the hours specified in Table1:</p> <p>(a) delivery or dispatch of materials as requested by Police or other authorities; and</p>	<i>Activity</i>	<i>Operating Hours</i>	Extraction and processing operations	6:30 am to 6 pm Monday to Friday 7 am to 3 pm Saturday	Maintenance operations	6 am to 9 pm Monday to Friday 6 am to 9 pm Saturday	Loading and dispatch of laden trucks	6:30 am to 6 pm Monday to Friday 7 am to 3 pm Saturday	Blasting	9 am and 3 pm Monday to Friday. No blasting is allowed on Saturdays, Sundays or public holidays, or at any other time without the written approval of the Secretary.	N/A	Compliant	Operational hours complied with.
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Blasting	9 am and 3 pm Monday to Friday. No blasting is allowed on Saturdays, Sundays or public holidays, or at any other time without the written approval of the Secretary.													

	<p>(b) emergency work to avoid the loss of lives, property and/or to prevent environmental harm.</p> <p>In such circumstances, the Applicant shall notify the Secretary and affected residents prior to undertaking the activities, or as soon as is practical thereafter. The Applicant shall keep a record of all such events and report on the same in the Annual Review.</p>			
2(12)	<p>The Applicant shall ensure that all new buildings and structures, and any alternations or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the BCA.</p> <p>Notes:</p> <ul style="list-style-type: none"> • Under Part 4A of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for the proposed building works; and • Part 8 of the EP&A Regulation sets out the requirements for the certification of the development or project. 	N/A	Not triggered	
2(13)	<p>The Applicant shall ensure that all demolition work is carried out in accordance with the Australian Standard AS 2601-2001 The Demolition of Structures, or its latest version.</p>	N/A	Not triggered	
2(14)	<p>The Applicant shall:</p> <p>(a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the development; and</p> <p>(b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development.</p> <p>Note: This condition does not apply to damage to roads caused as a result of general road usage.</p>	N/A	Not triggered	
2(15)	<p>The Applicant shall ensure that all plant and equipment used at the site is maintained and operated in a proper and efficient manner.</p>	N/A	Compliant	All plant and equipment maintained through programmed service schedules.
2(16)	<p>Prior to 30 September 2016, unless otherwise agreed by the Secretary, the Applicant shall:</p> <p>(a) engage a registered surveyor to mark out the boundaries of the approved limits of extraction within the development area (see Appendix 1); and</p> <p>(b) submit a survey plan of these boundaries with applicable GPS coordinates to the Secretary.</p>	N/A	Compliant	LWS engaged to undertake survey. Submitted to DPE 12 Sept 2016. DPE acknowledged receipt of plan 12 Sept 2016.

2(17)	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 and inspecting officers to clearly identify the approved limits of extraction.	N/A	Compliant	Quarry excavation boundary marked by concrete bollards.
2(18)	The Applicant shall: (a) provide annual quarry production data to DRE using the standard form for the purpose; and (b) include a copy of the data in the Annual Review.	N/A	Compliant	Provided each year. Copy of data included in Operations Summary.
2(19)	The Applicant shall provide extractive material to Council free of charge for ongoing maintenance of Possum Brush Road between the quarry entrance and the Pacific Highway.	N/A	Not triggered	MCC did not request any products for Pacific Blue Metal for Possum Brush Road.
2(20)	The Applicant shall pay to Council a monthly contribution for the maintenance of Possum Brush Road between the quarry entrance and the Pacific Highway. The rate of the contribution for all quarry products transported from site is: (a) 7.5 cents per tonne for five years from 25 May 2008; (b) 10 cents per tonne for the next five years from 25 May 2013; and (c) further increased indexed annually to changes in the Consumer Price Index (Road & Bridge Construction)(NSW Index) from 25 May 2018 and thereafter.	N/A	Compliant	In the 2021-2022 year PBM paid Council \$37 170.47 including GST. Since 25 May 2008 to 30 June 2022, PBM paid Council a total of \$411 107.69 Written requests for road maintenance sent to MCC 10/12/18, 28/05/19 and 02/10/19. Verbal requests 13/08/19. 16/10/19 MCC response received. MCC stated that Possum Brush Rd is not a priority with respect to their entire road network. This response ignores the fact that the monthly contribution fee paid by PBM to MCC is solely for the maintenance of Possum Brush Road. MCC have not changed their position. The road continues to degrade. No progress has been made in 2022-2023

SCHEDULE 3 ENVIRONMENTAL PERFORMANCE CONDITIONS NOISE

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments																							
3(1)	<p>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.</p> <p>Table 2: Noise criteria dB(A)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="text-align: left;">Receiver</th> <th style="text-align: center;">Day/Evening</th> <th colspan="2" style="text-align: center;">Night</th> </tr> <tr> <th style="text-align: center;">L_{Aeq}(15 min)</th> <th style="text-align: center;">L_{Aeq}(15 min)</th> <th style="text-align: center;">L_{A1}(max)</th> </tr> </thead> <tbody> <tr> <td>R1 – 5 St Peters Close</td> <td style="text-align: center;">39</td> <td style="text-align: center;">39</td> <td style="text-align: center;">45</td> </tr> <tr> <td>R2 – 175 Possum Brush Road</td> <td style="text-align: center;">38</td> <td style="text-align: center;">38</td> <td style="text-align: center;">45</td> </tr> <tr> <td>R3 – 55 Possum Brush Road</td> <td style="text-align: center;">37</td> <td style="text-align: center;">37</td> <td style="text-align: center;">45</td> </tr> <tr> <td>All other residences</td> <td style="text-align: center;">35</td> <td style="text-align: center;">35</td> <td style="text-align: center;">45</td> </tr> </tbody> </table> <p><i>Receiver locations are shown in Appendix 2.</i></p>	Receiver	Day/Evening	Night		L _{Aeq} (15 min)	L _{Aeq} (15 min)	L _{A1} (max)	R1 – 5 St Peters Close	39	39	45	R2 – 175 Possum Brush Road	38	38	45	R3 – 55 Possum Brush Road	37	37	45	All other residences	35	35	45	Compliant	Compliant	
	Receiver		Day/Evening	Night																							
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<p>Noise generated by the development is to be measured in accordance with the relevant requirements of the <i>NSW Industrial Noise Policy</i> (as may be updated from time-to-time). Appendix 3 sets out the meteorological conditions under which these criteria apply and the requirements for evaluating compliance with these criteria.</p>		Compliant	Compliant																								
<p>However, these criteria do not apply if the Applicant has an agreement with the owner/s of the relevant residence or land to generate higher noise levels, and the Applicant has advised the Department in writing of the terms of this agreement.</p>		Not triggered	Not triggered																								
3(2)	<p>The Applicant shall:</p> <ul style="list-style-type: none"> a) implement best practice management to minimise the operational and road transportation noise of the development; b) minimise the noise impacts of the development during meteorological conditions when the noise criteria in this consent do not apply (see Appendix 3); c) carry out regular monitoring to determine whether the development is complying with the relevant conditions of this consent; and d) regularly assess noise monitoring data and modify and/or stop operations on site to ensure compliance with the relevant conditions of this consent, <p>to the satisfaction of the Secretary.</p>	Compliant	Compliant																								

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
3(3)	<p>The Applicant shall prepare a Noise Management Plan for the development to the satisfaction of the Secretary. In addition to the standard requirements for management plans (see condition 2 of Schedule 5) this plan must:</p> <ul style="list-style-type: none"> a) be submitted to the Secretary for approval within three months of the date of approval of Modification 4, unless otherwise agreed by the Secretary; b) describe the measures that would be implemented to ensure: <ul style="list-style-type: none"> – compliance with the noise criteria in this consent; – best practice management is being employed; and – the noise impacts of the development are minimised during meteorological conditions under which the noise criteria in this consent do not apply (see Appendix 3); c) describe the proposed noise management system; and d) include a monitoring program that will be put in place 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; and <p>The Applicant shall implement the management plan as approved from time to time by the Secretary.</p>	Compliant	Compliant	<p>01/08/06 Noise Management Plan submitted to DPE</p> <p>21/07/17 Approved by DPE</p>

BLASTING

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments											
3(4)	<p>Blasting Impact Assessment Criteria The Applicant shall ensure that blasting on site does not cause any exceedance of the criteria in Table 3.</p> <p>Table 3: Blasting criteria</p> <table border="1" data-bbox="235 488 1160 691"> <thead> <tr> <th data-bbox="235 488 412 555">Location</th> <th data-bbox="412 488 678 555">Airblast overpressure (dB(Lin Peak))</th> <th data-bbox="678 488 904 555">Ground vibration (mm/s)</th> <th data-bbox="904 488 1160 555">Allowable exceedance</th> </tr> </thead> <tbody> <tr> <td data-bbox="235 555 412 691" rowspan="2">Any residence on privately owned land</td> <td data-bbox="412 555 678 595">120</td> <td data-bbox="678 555 904 595">10</td> <td data-bbox="904 555 1160 595">0%</td> </tr> <tr> <td data-bbox="412 595 678 691">115</td> <td data-bbox="678 595 904 691">5</td> <td data-bbox="904 595 1160 691">5% of the total number of blasts over a period of 12 months</td> </tr> </tbody> </table> <p>However, these criteria do not apply if the Applicant has a written agreement with the relevant owner to exceed the limits in Table 3, and the Applicant has advised the Department in writing of the terms of this agreement.</p>	Location	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)	Allowable exceedance	Any residence on privately owned land	120	10	0%	115	5	5% of the total number of blasts over a period of 12 months	Compliant	Compliant	<p>No exceedance.</p> <p>Airblast over pressure range: Nil Trigger – 106.5dBA</p> <p>Ground vibration range: Nil Trigger – 3.49m/s</p>
Location	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)	Allowable exceedance												
Any residence on privately owned land	120	10	0%												
	115	5	5% of the total number of blasts over a period of 12 months												
3(5)	<p>Blasting Frequency The Applicant may carry out a maximum of 2 blasts per calendar month, unless an additional blast is required following a blast misfire. This condition does not apply to blasts required to ensure the safety of the quarry or workers on site.</p> <p>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.</p>	Compliant	Compliant	<p>Nine (9) blasts occurred during the reporting period: July (1), August (1), September (1), October (1), November (1), December (0), January (0), February (2), March (1), April (0), May (0), June (1)</p>											
3(6)	<p>Operating Conditions During blasting operations, the Applicant shall:</p> <p>a) implement best management practice to:</p> <ul style="list-style-type: none"> – protect the safety of people and livestock in the areas surrounding blasting operations; – protect public or private infrastructure/property in the surrounding area from damage from blasting operations; and – minimise the dust and fume emissions of blasting; 	Compliant	Compliant												

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
	b) operate a suitable system to enable the local community to get up-to-date information on the proposed blasting schedule on site; and	Compliant	Compliant	Local residents informed via their preferred communication method (phone, email, letter)
	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	Compliant	Airblast overpressure and ground vibration measured for each blast.
3(7)	<p>Upon written request of the owner of any existing dwelling house located within 1.25 kilometres of the development, the Applicant shall arrange at its own costs, for the inspection by a technically qualified person agreed to by both parties, to record the material condition of any existing dwelling house. The Applicant shall supply a copy of any inspection report, certified by the person who undertook the inspection, to the relevant property owner within fourteen days of receipt of the report.</p> <p>Should the inspection report find that structural damage to the dwelling house has occurred as a result of blasting at the quarry, the owner of that dwelling house may request the Applicant to carry out works to remedy or mitigate that damage. Such works shall be carried out at the Applicant's expense and shall be agreed to by the owner of the dwelling house.</p> <p>In the event of a dispute between the Applicant and the owner of an existing dwelling house arising from the the requirements of this condition, the Applicant shall refer the matter for the consideration and decision of the Secretary.</p>	Not triggered	Not triggered	

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
3(8)	<p>Blast Management Plan</p> <p>The Applicant shall prepare a Blast Management Plan for the development to the satisfaction of the Secretary. In addition to the standard requirements for management plans (see Condition 2 of Schedule 5) this plan must:</p> <ul style="list-style-type: none"> a) be submitted to the Secretary for approval within three months of the date of approval of Modification 4, unless otherwise agreed by the Secretary; b) describe the measures that would be implemented to ensure compliance with the blast criteria and operating conditions of this consent; 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. <p>The Applicant shall implement the management plan as approved from time to time by the Secretary.</p>	Compliant	Compliant	<p>01/08/2016 Blast Management Plan submitted to DPE</p> <p>04/07/2017 Approved by DPE</p>

AIR QUALITY

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments																				
3(9)	<p>Air Quality Impact Assessment Criteria</p> <p>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 listed in Tables 4 at any residence on privately-owned land.</p> <p>Table 4: Air quality criteria</p> <table border="1" data-bbox="237 520 1158 746"> <thead> <tr> <th>Pollutant</th> <th>Averaging Period</th> <th colspan="2">^d Criterion</th> </tr> </thead> <tbody> <tr> <td>Particulate matter < 10µm (PM10)</td> <td>Annual</td> <td colspan="2">^{a,d} 30µg/m³</td> </tr> <tr> <td>Particulate matter < 10µm (PM10)</td> <td>24 hour</td> <td colspan="2">^b 50µg/m³</td> </tr> <tr> <td>Total suspended particulates (TSP)</td> <td>Annual</td> <td colspan="2">^{a,d} 90µg/m³</td> </tr> <tr> <td>^c Deposited dust</td> <td>Annual</td> <td>^b 2g/m²/month</td> <td>^{a,d} 4g/m²/month</td> </tr> </tbody> </table> <p><i>Notes for Table 4:</i></p> <p>a. Cumulative impact (ie increase in concentrations due to the development plus background concentrations due to all other sources).</p> <p>b. Incremental impact (ie incremental increase in concentrations due to the development on its own, with zero allowable exceedances of the criteria over the life of the development).</p> <p>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.</p> <p>d. Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents, or any other activity agreed to by the Secretary.</p>	Pollutant	Averaging Period	^d Criterion		Particulate matter < 10µm (PM10)	Annual	^{a,d} 30µg/m ³		Particulate matter < 10µm (PM10)	24 hour	^b 50µg/m ³		Total suspended particulates (TSP)	Annual	^{a,d} 90µg/m ³		^c Deposited dust	Annual	^b 2g/m ² /month	^{a,d} 4g/m ² /month	Compliant	Compliant	
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3(10)	<p>Operating Conditions</p> <p>The Applicant shall:</p> <p>a) implement best practice management to minimise the dust emissions of the development;</p> <p>b) carry out periodic air quality monitoring to determine whether the development is complying with the relevant conditions of this consent;</p> <p>c) regularly assess meteorological and air quality monitoring data and relocate, modify and/or stop operations on site to ensure compliance with the air quality criteria in this consent;</p> <p>d) minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see note d under Table 4); and</p>	Compliant	Compliant	<p>15/05/19 DPE amended Dust monitoring regime from monthly to on receipt of a dust related complaint.</p> <p>No dust related complaint received in the 2022-2023 reporting period.</p>																				

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
	e) minimise the area of surface disturbance and maximise progressive rehabilitation of the site, to the satisfaction of the Secretary			
3(11)	<p>Quarry-owned Land</p> <p>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 occupied residence on quarry-owned land unless:</p> <p>a) the tenant has been notified of any health risks associated with such exceedances in accordance with the notification requirements under Schedule 4 of this consent; and</p> <p>b) the tenant of any land owned by the Applicant can terminate their tenancy agreement without penalty at any time, subject to giving reasonable notice, to the satisfaction of the Secretary.</p>	Not triggered	Not triggered	
3(12)	<p>Air Quality Management Plan</p> <p>The Applicant shall prepare an Air Quality Management Plan for the development to the satisfaction of the Secretary. In addition to the standard requirements for management plans (Condition 2 Schedule 5) this plan must:</p> <p>a) be submitted to the Secretary for approval by within three months of the date of approval of Modification 4, unless otherwise agreed by the Secretary;</p> <p>b) describe the measures that would be implemented to ensure:</p> <ul style="list-style-type: none"> – compliance with the relevant conditions of this consent; – best practice management is being employed; and – the air quality impacts of the development are minimised during adverse meteorological conditions and extraordinary events; <p>c) describe the proposed air quality management system; and</p> <p>d) include an air quality monitoring program that:</p> <ul style="list-style-type: none"> – is capable of evaluating the performance of the development; – includes a protocol for determining any exceedances of the relevant conditions of consent; – effectively supports the air quality management system; and – evaluates and reports on the adequacy of the air quality management system. 	Compliant	Compliant	<p>01/08/16 Air Quality Management Plan submitted to DPE</p> <p>21/07/17 Approved by DPE</p>

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
	The Applicant shall implement the management plan as approved from time to time by the Secretary.			
3(13)	<p>Meteorological Monitoring</p> <p>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.</p>	Compliant	Compliant	
3(14)	<p>Greenhouse Gas Emissions</p> <p>The Applicant shall implement all reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site.</p>	Compliant	Compliant	

SOIL & WATER

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
3(15)	The applicant shall ensure it has sufficient water for all stages of the development, and if necessary, adjust the scale of the quarrying operations to match the available water supply.	Compliant	Compliant	Sufficient water on site during 2022-2023 reporting period.
3(16)	The Applicant shall comply with the discharge limits in any EPL, or with section 120 of the POEO Act	Compliant	Compliant	One (1) discharge from site on 06/0722. EPL compliance limits met. pH 7.8 TSS 12.0 mg/L O&G <5.0 mg/L
3(17)	In the event that groundwater in excess of negligible quantities is intersected during quarrying operations, the Applicant shall undertake a hydrological investigation, in consultation with DPI Water, to the satisfaction of the Secretary. The investigation must report on groundwater sources, levels, yields and quality; identify any risk to groundwater uses or groundwater dependent ecosystems and propose recommended management measures.	Not triggered	Not triggered	
3(18)	The Applicant shall prepare a Water Management Plan for the development to the satisfaction of the Secretary. In addition to the standard requirements for management plans (see condition 2 of Schedule 5) this plan must: <ul style="list-style-type: none"> (a) be prepared in consultation with the EPA and DPI-Water (b) be submitted to the Secretary for approval within three months of the date of approval of Modification 4, unless otherwise agreed by the Secretary (c) include a Site Water Balance that includes details of: <ul style="list-style-type: none"> – sources and security of water supply; – water uses, losses and management on site; – any off-site water transfers; and – reporting procedures; and (d) include a Surface Water Management Plan that includes: <ul style="list-style-type: none"> – detailed baseline data on surface water flows and quality in water bodies that could potentially be affected by the development; – a detailed description of the surface water management system on site, including the: 	Compliant	Compliant	01/08/16 Water Management Plan submitted to DPE 04/07/17 Plan approved by DPE

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
	<ul style="list-style-type: none"> - clean water diversion system; - erosion and sediment controls; - stormwater runoff controls; - dirty water management system; and - water storages; and - a program to monitor and report on: <ul style="list-style-type: none"> - any surface water discharges; - the effectiveness of the water management system; and - surface water flows and quality in local watercourses; and - measures that would be implemented to minimise water use on site; - identification of all reasonable and feasible measures to improve the quality of surface water within and around the site - The Applicant shall implement the management plan as approved from time to time by the Secretary. 			

LANDSCAPE & REHABILITATION

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments														
3(19)	<p>Rehabilitation Objectives The Applicant shall rehabilitate the site to the satisfaction of the Secretary. This rehabilitation must be in accordance with the objectives in Table 5.</p> <p><i>Table 5: Rehabilitation objectives</i></p> <table border="1" data-bbox="237 488 1193 1038"> <thead> <tr> <th data-bbox="237 488 432 523">Feature</th> <th data-bbox="432 488 1193 523">Objective</th> </tr> </thead> <tbody> <tr> <td data-bbox="237 523 432 687">Site (as a whole)</td> <td data-bbox="432 523 1193 687"> <ul style="list-style-type: none"> • Safe, stable and non-polluting. • Final landform integrated with surrounding natural landforms as far as is reasonable and feasible, and designed to minimise the visual impacts of the development when viewed from surrounding land. • Restored with native, endemic vegetation </td> </tr> <tr> <td data-bbox="237 687 432 759">Vegetated land</td> <td data-bbox="432 687 1193 759"> <ul style="list-style-type: none"> • Conserved and enhanced with native, endemic vegetation. • Containing self-sustaining ecosystems. </td> </tr> <tr> <td data-bbox="237 759 432 826">Surface Infrastructure</td> <td data-bbox="432 759 1193 826"> <ul style="list-style-type: none"> • Decommissioned and removed, unless the Secretary agrees otherwise. </td> </tr> <tr> <td data-bbox="237 826 432 895">Quarry Benches and Pit Floor</td> <td data-bbox="432 826 1193 895"> <ul style="list-style-type: none"> • Landscaped and vegetated using native trees and understory species. </td> </tr> <tr> <td data-bbox="237 895 432 967">Final Void</td> <td data-bbox="432 895 1193 967"> <ul style="list-style-type: none"> • Minimise the height and slope of batters. • Minimise the drainage catchment. </td> </tr> <tr> <td data-bbox="237 967 432 1038">Community</td> <td data-bbox="432 967 1193 1038"> <ul style="list-style-type: none"> • Ensure public safety. • Minimise the adverse socio-economic effect of quarry closure. </td> </tr> </tbody> </table>	Feature	Objective	Site (as a whole)	<ul style="list-style-type: none"> • Safe, stable and non-polluting. • Final landform integrated with surrounding natural landforms as far as is reasonable and feasible, and designed to minimise the visual impacts of the development when viewed from surrounding land. • Restored with native, endemic vegetation 	Vegetated land	<ul style="list-style-type: none"> • Conserved and enhanced with native, endemic vegetation. • Containing self-sustaining ecosystems. 	Surface Infrastructure	<ul style="list-style-type: none"> • Decommissioned and removed, unless the Secretary agrees otherwise. 	Quarry Benches and Pit Floor	<ul style="list-style-type: none"> • Landscaped and vegetated using native trees and understory species. 	Final Void	<ul style="list-style-type: none"> • Minimise the height and slope of batters. • Minimise the drainage catchment. 	Community	<ul style="list-style-type: none"> • Ensure public safety. • Minimise the adverse socio-economic effect of quarry closure. 	Not triggered	Not triggered	
Feature	Objective																	
Site (as a whole)	<ul style="list-style-type: none"> • Safe, stable and non-polluting. • Final landform integrated with surrounding natural landforms as far as is reasonable and feasible, and designed to minimise the visual impacts of the development when viewed from surrounding land. • Restored with native, endemic vegetation 																	
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Community	<ul style="list-style-type: none"> • Ensure public safety. • Minimise the adverse socio-economic effect of quarry closure. 																	
3(20)	<p>Progressive Rehabilitation The Applicant shall rehabilitate the site progressively, that is, as soon as reasonably practicable following disturbance. All reasonable and feasible measures must be taken to minimise the total area exposed for dust generation at any time. Interim stabilisation measures must be implemented where reasonable and feasible to control dust emissions in disturbed areas that are not active and which are not ready for final rehabilitation.</p> <p><i>Note: It is accepted that parts of the site that are progressively rehabilitated may be subject to disturbance in the future.</i></p>	Compliant	Compliant															

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
3(21)	<p>Landscape and Rehabilitation Management Plan</p> <p>The Applicant shall prepare a Landscape and Rehabilitation Management Plan for the development to the satisfaction of the Secretary. In addition to the standard requirements for management plans (see condition 2 of Schedule 5) this plan must:</p> <p>a) be prepared in consultation with OEH and Council;</p> <p>b) be submitted to the Secretary for approval within three months of the date of approval of Modification 4, unless otherwise agreed by the Secretary;</p> <p>c) provide details of the conceptual final landform and associated land uses for the site;</p> <p>d) 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;</p> <p>e) include a program to progressively improve the structure and floristic composition of the established wildlife corridor which includes:</p> <ul style="list-style-type: none"> - maintaining a fence around the wildlife corridor to exclude grazing stock; - maintaining wildlife warning signs and speed limits on internal roads; and - making suitable arrangements to protect in perpetuity the wildlife corridor; and <p>f) include a program to monitor Rudder's Box within the Applicant's property;</p> <p>g) include a detailed description of the measures that would be implemented to:</p> <ul style="list-style-type: none"> - maximise the salvage of environmental resources within the approved disturbance area for beneficial reuse; - protect vegetation and fauna habitat outside the approved extraction area; - minimise tree or native vegetation removal or destruction; - use pre-existing or local plant species for revegetation; - minimise the impacts on native fauna and flora, including Brush-tailed Phascogale and Rudder's Box; - landscape the site to minimise visual and lighting impacts; - control weeds and feral pests; - control erosion; - control access; and - bushfire management; and <p>h) include a program to monitor and report on the effectiveness of these measures, and progress against the performance and completion criteria;</p>	Compliant	Compliant	<p>01/08/16 Landscape and Rehabilitation Management Plan submitted to DPE</p> <p>04/07/17 Plan approved by DPE</p>

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
	<p>i) 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</p> <p>j) include details of who would be responsible for monitoring, reviewing, and implementing the plan.</p> <p>The Applicant shall implement the management plan as approved from time to time by the Secretary.</p> <p>Note: For the purposes of this consent, suitable arrangements to protect the wildlife corridor in perpetuity may include the use of Public Positive Covenants in combination with Restrictions on Use of Land on the land title/s of the wildlife corridor. Other arrangements such as the use of Biobanking Agreements or transfer of lands to the national parks estate would also be considered for their suitability.</p>			
3(22)	<p>Rehabilitation and Conservation Bond</p> <p>Within 6 months of the approval of the Landscape and Rehabilitation Management Plan, the Applicant shall lodge a Rehabilitation & Conservation Bond with the Department to ensure that the management of biodiversity and the rehabilitation of the site are implemented in accordance with the performance and completion criteria set out in the Landscape & Rehabilitation Management Plan. The sum of the bond shall be determined by:</p> <p>a) calculating the cost of rehabilitating the site taking into account the likely surface disturbance over the next 3 years of quarrying operations; and</p> <p>b) employing a suitably qualified quantity surveyor or other expert to verify the calculated costs, to the satisfaction of the Secretary.</p> <p>Note: 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.</p>	Compliant	Compliant	30/05/19 PBM lodged Rehabilitation and Conservation Bond

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
3(23)	<p>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 and Conservation Bond to the satisfaction of the Secretary. This review must consider the:</p> <ul style="list-style-type: none"> 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 the rehabilitation of the site to date. 	Compliant	Compliant	<p>14/12/22 Reviewed Bond Estimate lodged with DPE</p> <p>28/06/23 Bond estimate approved by DPE.</p> <p>Lodgement of Rehabilitation Bond will fall into next reporting period</p>

ABORIGINAL CULTURAL HERITAGE

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
3(24)	<p>If any item or object of Aboriginal heritage significance is identified on site, the Applicant shall ensure that:</p> <ul style="list-style-type: none"> (a) all work in the immediate vicinity of the suspected Aboriginal item or object ceases immediately; (b) a 10m buffer area around the suspected item or object is cordoned off with high visibility flagging tape, or the like; and (c) OEHL is contact immediately. <p>Work in the vicinity of the Aboriginal item or object may only recommence in accordance with the provision of Part 6 of the National Parks and Wildlife Act 1974.</p>	Not triggered	Not triggered	

TRANSPORT

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
3(25)	No trucks associated with the development are to travel on Bullocky Way, Tritton Road or the section of Possum Brush Road to the west of the intersection with the quarry access road and other minor roads off this section of road unless delivering products to a property fronting onto these roads or providing materials for the maintenance of the roads themselves, without the written agreement of the Secretary.	Compliant	Compliant	
3(26)	The Applicant shall ensure that appropriate advance warning truck signage is installed or replaced on the northbound and southbound lanes of the Pacific Highway, to the satisfaction of the RMS.	Compliant	Compliant	16/02/18 Signs installed
3(27)	<p>The Applicant shall ensure that:</p> <ul style="list-style-type: none"> a) all company owned trucks associated with the quarry have appropriate signage, 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 materials that may fall on the road, before leaving the site; and d) road maintenance requirements, including the removal of any obstructing roadside vegetation, are reported to Council for Possum Brush Road and to RMS for the Pacific Highway. 	Compliant	Compliant	See 2(20) for details regarding road maintenance.
3(28)	<p>The Applicant shall prepare a Transport Management Plan for the development to the satisfaction of the Secretary. In addition to the standard requirements for management plans (Condition 2 Schedule 5) this plan must:</p> <ul style="list-style-type: none"> a) be prepared in consultation with RMS and Council; b) be submitted to the Secretary for approval by within three months of the date of approval of Modification 4, unless otherwise agreed by the Secretary; c) include a Drivers' Code of Conduct that details the safe and quiet driving practices that must be used by drivers transporting products to and from the quarry, particularly having regard to early morning truck arrivals, school bus routes and the location of residential properties; and d) describe the measures that would be put in place to ensure compliance with the Drivers' Code of Conduct. 	Compliant	Compliant	<p>01/08/16 Transport Management Plan submitted to DPE</p> <p>21/07/17 Plan approved by DPE</p>

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
3(29)	<p>The Applicant shall keep accurate records of:</p> <ul style="list-style-type: none"> a) the amount of quarry products transported from the site (calendar month and year); b) the number of truck movement enter and leaving the site (hour, day, calendar month and year); and c) include these records in the Annual Review (Condition 9 of Schedule 5). <p>Note: Records must include material provided to Council, referred to in Condition 19 Schedule 2.</p>	Compliant	Compliant	

VISUAL IMPACTS

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
3(30)	<p>The Applicant shall:</p> <ul style="list-style-type: none"> a) Implement all reasonable and feasible measures to minimise the visual and off-site lighting impacts of the development; and b) take all practical measures to shield views of quarrying operations from users of public roads and privately-owned residences, <p>to the satisfaction of the Secretary.</p>	Compliant	Compliant	

WASTE

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
3(31)	<p>The Applicant shall:</p> <ul style="list-style-type: none"> a) implement all reasonable and feasible measures to minimise the waste generated by the development; b) ensure that the waste generated by the development is appropriately stored, handled and disposed of; and c) monitor and report on effectiveness of the waste management and minimisation in the Annual Review (see condition 9 of Schedule 5), <p>to the satisfaction of the Secretary.</p>	Compliant	Compliant	Reported in Annual Review

ODOUR

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
3(32)	The Applicant shall not cause or permit the emission of offensive odour beyond the boundaries of the site.	Compliant	Compliant	

LIQUID STORAGE

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
3(33)	The Applicant shall ensure that all liquid tanks and similar storage facilities (other than for water) are protected by appropriate bunding, which must exceed 110% of the stored volume of the liquid.	Non-Compliant	Compliant	During the inspection for the 2022 Independent Environmental Audit, it was identified that containers of liquids were stored in an open, unbunded area. The matter was immediately rectified as reported in the Pacific Blue Metal Response to Audit Recommendations.

DANGEROUS GOODS

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
3(34)	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	Compliant	

BUSHFIRE

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
3(35)	The Applicant shall: <ul style="list-style-type: none"> a) ensure that the development is suitably equipped to response to any fires on site; and b) assist the Rural Fire Service, emergency services and National Parks and Wildlife Service as much as possible if there is a fire in the surrounding area. 	Compliant	Compliant	Quarry water bodies are nominated as Static Water Supplies for bushfire fighting purposes.

SCHEDULE 4 – ADDITIONAL PROCEDURES

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
4(1)	<p>As soon as practicable after obtaining monitoring results showing:</p> <p>(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</p> <p>(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 tenants of land which is not privately owned)</p>	Not Triggered	Not Triggered	
4(2)	<p>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.</p>	Not Triggered	Not Triggered	
4(3)	<p>If the Secretary is satisfied that an independent review is warranted, then within 2 months of the Secretary’s decision the Applicant shall:</p> <p>(a) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Secretary, to:</p> <ul style="list-style-type: none"> • consult with the landowner to determine his/her concerns; • conduct monitoring to determine whether the development is complying with the relevant criteria in Schedule 3; and • if the development is not complying with these criteria then identify measures that could be implemented to ensure compliance with the relevant criteria; and <p>(b) give the Secretary and landowner a copy of the independent review.</p>	Not Triggered	Not Triggered	

SCHEDULE 5 - ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
5(1)	<p>Environmental Management Strategy</p> <p>The Applicant shall prepare and implement an Environmental Management Strategy for the development to the satisfaction of the Secretary. This strategy must:</p> <ul style="list-style-type: none"> a) be submitted to the Secretary for approval within three months of the date of approval of Modification 4, unless otherwise agreed by the Secretary; b) provide the strategic framework for the 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: <ul style="list-style-type: none"> - keep the local community and relevant agencies informed about the operation and environmental performance of the development; - receive, handle, respond to, and record complaints; - resolve any disputes that may arise during the course of the development; - respond to any non-compliance; and - respond to emergencies; and f) include: <ul style="list-style-type: none"> - copies of any strategies, plans and programs approved under the conditions of this development consent; and - a clear plan depicting all the monitoring required to be carried out under the conditions of this consent. 	Compliant	Compliant	<p>01/08/2016 Environmental Management Strategy submitted to DPE.</p> <p>21/07/2017 Plan approved by DPE</p>

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
5(2)	<p>Management Plan Requirements</p> <p>The Applicant shall ensure that the Management Plans required under this consent are prepared in accordance with any relevant guidelines, and include:</p> <p>a) detailed baseline data;</p> <p>b) a description of:</p> <ul style="list-style-type: none"> - the relevant statutory requirements (including any relevant approval, licence or lease conditions); - any relevant limits or performance measures/criteria; and - the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measures; <p>f) a program to investigate and implement ways to improve the environmental performance of the development over time;</p> <p>g) a protocol for managing and reporting any:</p> <ul style="list-style-type: none"> - incidents; - complaints; - non-compliances with statutory requirements; and - exceedances of the impact assessment criteria and/or performance criteria; and <p>h) a protocol for periodic review of the plan.</p> <p>Note: The Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.</p>	Compliant	Compliant	

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
5(3)	<p>Updating & Staging Submission of Strategies, Plans or Programs</p> <p>To ensure the strategies, plans or programs under this consent are updated on a regular basis, and that they incorporate any appropriate mitigation measures to improve the environmental performance of the development, the Applicant may at any time submit revised strategies, plans or programs to the Secretary for approval. With the agreement of the Secretary, the Applicant may also submit any strategy, plan or program required by this consent on a staged basis.</p> <p>With the agreement of the Secretary, the Applicant may revise any strategy, plan or program approved under this consent without consulting with all the parties nominated under the applicable conditions of consent.</p> <p>Notes:</p> <ul style="list-style-type: none"> • While any strategy, plan or program may be submitted on a progressive basis, the Applicant will need to ensure that the existing operations on site are covered by suitable strategies, plans or programs at all times. • If the submission of any strategy, plan or program is to be staged, then the relevant strategy, plan or program must clearly describe the specific stage 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. 	Not triggered	Not triggered	
5(4)	<p>Revision of Strategies, Plans & Programs</p> <p>Within 3 months of the submission of an:</p> <p>a) Annual Review under condition 9 below;</p> <p>b) incident report under condition 7 below;</p> <p>c) audit report under condition 10 below; and</p> <p>d) any modifications to this consent,</p> <p>the Applicant shall review, and if necessary revise, the strategies, plans, and programs required under this consent, to the satisfaction of the Secretary.</p>	Compliant	Compliant	Managements Plans revised following IEA in September 2022. Plans submitted to DPE 26/09/22.
5(5)	<p>Adaptive Management</p> <p>The Applicant shall 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.</p> <p>Where any exceedance of these criteria and/or performance measures has occurred, the Applicant shall, at the earliest opportunity:</p> <p>a) take all reasonable and feasible measures to ensure that the exceedance ceases and does not recur;</p>	Compliant	Compliant	

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
	b) consider all reasonable and feasible options for remediation (where relevant) and submit a report to the Department describing those options and any preferred remediation measures or other course of action; and c) implement remediation measures as directed by the Secretary, to the satisfaction of the Secretary.			
5(6)	The Applicant shall operate a Community Consultative Committee (CCC) for the development, to the satisfaction of the Secretary. This CCC must be operated in general accordance with the <i>Guidelines for Establishing and Operating Community Consultative Committees for Mining Projects</i> (Department of Planning, 2007, or its latest versions) Notes: <ul style="list-style-type: none"> The CCC is an advisory committee. The Department and other relevant agencies are responsible for ensuring that the Applicant complies with this consent. In accordance with the guideline, the committee should be comprised of an independent chair and appropriate representation from the Applicant, Council, and the local community. 	Compliant	Compliant	02/07/22 The Department decided that the previous PBM CCC which ran from 1998 – 2017, was sufficient to meet this condition. However should there be renewed interest by the community in the establishment of a CCC, the Secretary may direct PBM to recommence this process and establish a CCC for the remainder of the project life.
5(7)	Incident Reporting The Applicant shall notify, at the earliest opportunity, the Secretary and any other relevant agencies of any incident that has caused, or threatens to cause, material harm to the environment. For any other incident associated with the development, the Applicant shall notify the Secretary and any other relevant agencies as soon as practicable after the Applicant becomes aware of the 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.	Not triggered	Not triggered	
5(8)	Regular Reporting 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	Compliant	

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
5(9)	<p>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:</p> <p>a) describe the development (including rehabilitation and road maintenance) that was carried out in the previous calendar year, and the development that is proposed to be carried out over the current calendar year;</p> <p>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:</p> <ul style="list-style-type: none"> - the relevant statutory requirements, limits or performance measures/criteria; - requirements of any plan or program required under this consent; - the monitoring results of previous years; and - the relevant predictions in the documents listed in condition 2 of Schedule 2; <p>c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;</p> <p>d) identify any trends in the monitoring data over the life of the development;</p> <p>e) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and</p> <p>f) describe what measures will be implemented over the current calendar year to improve the environmental performance of the development.</p> <p>The Applicant shall ensure that copies of the Annual Review are submitted to Council and are available to the Community Consultative Committee (see condition 6 of Schedule 5) and any interested person upon request.</p>	Compliant	Compliant	16/08/16 DPE approved reporting period to Financial Year. Annual Review due by end September each year.

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
5(10)	<p>By 30 September 2016, and every 3 years thereafter, unless the Secretary directs otherwise, the Applicant shall commission and pay the full cost of an Independent Environmental Audit of the development. This audit must:</p> <ol style="list-style-type: none"> be conducted by suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary; include consultation with the relevant agencies; assess the environmental performance of the development and whether it is complying with the relevant requirements in this consent and any relevant EPL and/or Water License (including any assessment, plan or program required under these approvals); review the adequacy of any approved strategy, plan or program required under the these approvals; and recommend measures or actions to improve the environmental performance of the development, and/or any assessment, plan or program required under these approvals. <p>Note: This audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Secretary.</p>	Compliant	Compliant	IEA undertaken August 2022
5(11)	<p>Within 6 weeks of commissioning 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.</p>	Compliant	Compliant	2022 IEA submitted to DPE 29/08/22
5(12)	<p>By 31 December 2016, unless otherwise agreed by the Secretary, the Applicant shall:</p> <ol style="list-style-type: none"> make the following information publicly available on its website: <ul style="list-style-type: none"> the documents listed in condition 2 of Schedule 2; current statutory approvals for the development; approved strategies, plans or programs; a summary of the monitoring results of the development, which have been reported in accordance with the various plans and programs approved under the conditions of this consent; a complaints register, which is to be updated on a quarterly basis; the Annual Reviews (over the last 5 years); any independent environmental audit, and the Applicant's response to the recommendations in any audit; and any other matter required by the Secretary; and 	Compliant	Compliant	

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
	b) keep this information up-to-date, to the satisfaction of the Secretary.	Compliant	Compliant	

APPENDIX 3: NOISE COMPLIANCE ASSESSMENT

Condition Number	Condition	Status Dec 2022 (Environmental conditions only)	Status Jun 2023 (All Conditions)	Comments
A3(1)	<p>Applicable Meteorological Conditions</p> <p>The noise criteria in Table 2 apply under all meteorological conditions except the following:</p> <p>a) monitoring locations for the collection of representative noise data;</p> <p>b) wind speeds greater than 3 metres/second at 10 metres above ground level; or</p> <p>c) stability category F temperature inversion conditions and wind speeds greater than 2 metres/second at 10 metres above ground level; or</p> <p>d) stability category G temperature inversion conditions.</p>	Compliant	Compliant	
A3(2)	Except for wind speed at microphone height, the data to be used for determining meteorological conditions shall be that recorded by the meteorological station required under condition 33 of Schedule 3.	Compliant	Compliant	
A3(3)	Attended monitoring is to be used to evaluate compliance with the relevant conditions of this consent.	Compliant	Compliant	
A3(4)	<p>Unless otherwise directed by the Secretary, attended quarterly monitoring is to be used to evaluate compliance with the relevant conditions of this consent.</p> <p><i>Note: The Secretary may direct that the frequency of attended monitoring increase or decrease at any time during the life of the development.</i></p>	Compliant	Compliant	13/05/19 DPE approved monitoring on an annual basis
A3(5)	<p>Unless otherwise agreed with the Secretary, this monitoring is to be carried out in accordance with the relevant requirements for reviewing performance set out in the NSW Industrial Noise Policy (as amended from time to time), in particular the requirements relating to:</p> <p>a) monitoring locations for the collection of representative noise data;</p> <p>b) meteorological conditions during which collection of noise data is not appropriate;</p> <p>c) equipment used to collect noise data, and conformity with Australian Standards relevant to such equipment; and</p> <p>d) modifications to noise data collected, including for the exclusion of extraneous noise and/or penalties for modifying factors apart from adjustments for duration.</p>	Compliant	Compliant	

DA 1127/2005 Asphalt Plant

Internal Audit

July 2022 – June 2023

An audit of all DA 1127/2005 conditions is undertaken on an Annual Basis in June each year to align with the Annual Review reporting period (July-June) of the quarry DA (283?97 MOD4)

The aim of the audit schedule is to aid in the ongoing assessment and continual improvement of the performance of the project.

During the Audit each condition is assigned a Status Category along with additional descriptive comments as required. These categories are set out in the DPIE document titled *Requirement 1 Compliance Reporting Post Approval Requirements* (May 2020).

Status Categories:

- Compliant
- Non-compliant
- Not Triggered

CONDITIONS OF APPROVAL DA1127/2005

Condition Number	Condition	Status June 2023	Comments
1	The development of the site being carried out generally in accordance with the Statement of Environmental Effect prepared by R.W. Corkery & Co dated April 20058 as amended by the following conditions.	Compliant	
2	A Construction Certificate issued by the principal certifying authority is to be deposited with Council at least 48 hours prior to commencement of any building work on the site.	Compliant	Construction Certificate submitted 24 Nov 2007.
3	Payment of the prescribed Long Service Levy Fee prior to the issue of a Construction Certificate.	Compliant	Payment submitted
4	The applicant is to repair any damage to existing roads caused during the construction works, in accordance with Council requirements, prior to the issue of an Occupation Certificate.	Compliant	
5	Gross Pollutant Traps (GPT) are to be installed at the last inlet pits before stormwater enters receiving waters. Details of the GPTs, prepared in accordance with Council's Stormwater Management Plan are to be submitted with the engineering drawings. All future maintenance of the GPT's on private land is the responsibility of the landowner.	Compliant	
6	All adjustments to existing utility services made necessary by the development are to be undertaken by the developer at no cost to Council.	Not triggered	
7	The applicant is to repair any damage to existing roads caused during the construction works, in accordance with Council requirements, prior to the issue of an Occupation Certificate.	Not triggered	
8	Compliance with the General Terms of Approval issued by the Department of Environment and Conservation.	Compliant	
9	The plant being operated in accordance with the details provided in the Statement of Environmental Effects.	Compliant	

10	Despite the requirements of Conditions 8 & 9 the asphalt plant will be permitted to operate 24 hours per day from 6:30am Monday to 10:00pm Friday for a maximum of 60 days in any one calendar year. A monthly report providing details of night time operations shall be made available to Council upon request.	Compliant	During the report period the asphalt plant operated on 45 nights, including three (3) early morning starts from 5:45am – 6:30am. Council did not request a monthly report.
11	Compliance with any requirements imposed within an Environment Protection Licence issued by the Environment Protection Authority.	Compliant	Premises operates in compliance with EPL 3393
12	The noise level generated by trucks associated with Pacific Blue Metal Pty Ltd travelling along Possum Brush Road shall not exceed L_{eq1hr} 50dB(A) within 1m of the façade on any residence located between the quarry entrance and Pacific Highway during night-time operation. The proponent shall commission an independent consultant to monitor the noise bi-annually at the closest residence to Possum Brush Road between the quarry entrance and Pacific Highway. The monitoring shall be undertaken during a period representative of the maximum number of vehicles travelling on the road during the night-time period. The monitoring result shall be presented to Council and Pacific Blue Metal Community Consultative Committee within one month of the monitoring being completed. That the affected residents of Possum Brush Road be notified when night time operations and noise monitoring will be undertaken.	Compliant	Night time L_{eq1hr} 50dB(A) monitoring undertaken 25 August 2022. Measured level at R3 was L_{eq1hr} 46dB(A).
13	The review of the Environmental Management Plan, required under Condition 27 of the Development Consent 283/1997D us to take into account the potential impact of the extended operations on local fauna, the effectiveness of existing mitigation measures and any additional measures required to monitor and reduce potential impacts.	Compliant	The EMP has been superseded by a set of Management Plans prepared in accordance with DA 283/97 (MOD4)

DA 769/2009 Recycling Plant

Internal Audit

July 2022 – June 2023

An audit of all DA 769-2009 conditions is undertaken on an Annual Basis in June each year to align with the Annual Review reporting period (July-June) of the quarry DA (283/97 MOD4)

The aim of the audit schedule is to aid in the ongoing assessment and continual improvement of the performance of the project.

During the Audit each condition is assigned a Status Category along with additional descriptive comments as required. These categories are set out in the DPIE document titled *Requirement 1 Compliance Reporting Post Approval Requirements* (May 2020).

Status Categories:

- Compliant
- Non-compliant
- Not Triggered

CONDITIONS OF APPROVAL DA769/2009

Condition Number	Condition	Status June 2023	Comments							
1	The development is to be carried out in accordance with the following approved development plans:	Compliant	Incoming waste materials were stockpiled separately in Area A as per the Proposed Locations drawing.							
	<table border="1"> <thead> <tr> <th>Title/ Name</th> <th>Drawing/ No.</th> <th>Revision/ Issue</th> <th>Date</th> <th>Prepared by</th> </tr> </thead> <tbody> <tr> <td>PBM Recycling</td> <td>Proposed Locations</td> <td>-</td> <td>-</td> <td>Pacific Blue Metal Pty Ltd</td> </tr> </tbody> </table>			Title/ Name	Drawing/ No.	Revision/ Issue	Date	Prepared by	PBM Recycling	Proposed Locations
Title/ Name	Drawing/ No.	Revision/ Issue	Date	Prepared by						
PBM Recycling	Proposed Locations	-	-	Pacific Blue Metal Pty Ltd						
2	The NSW Environment Protection Authority has given General Terms of approval in relation to the development. The General Terms of approval are as follows: a. Trucks associated with the waste recycling activities must not enter the premises prior to 7:00 am. Note: The necessity for this condition will be assessed by the EPA after it has been determined if trucks at the premises are causing exceedances of the L _{Amax} noise limits and/or if all feasible and reasonable noise ameliorative works have been undertaken.	Compliant	Trucks associated with waste recycling activities are prevented from accessing the site prior to 7am. Enforced through, site induction, front gate signage and weighbridge operator.							
	b. Stormwater from all areas of the premises which has the potential to mobilise sediments and other material must be controlled and diverted through the appropriate erosion and sediment control and/or pollution control measures/structures.	Compliant	All stormwater treated through on site treatment train as per Water Management Plan.							
	c. Erosion and sediment control and/or pollution measures and/or structures to capture stormwater from all areas of the premises must be installed and maintained.	Compliant	Stormwater control measures installed and maintained, as per Water Management Plan.							
	d. The proponent must ensure that any waste received at the premises is assessed and classified in accordance with the EPA's Waste Classification Guidelines as in force from time to time.	Compliant	As per Recycling Plant Quality Assurance Program.							
	e. The proponent must not cause, permit or allow any waste to be received at the Premises, except the wastes expressly referred to in the column titled "Waste" and meeting the definition, if any, in the column titled "Description" in the table below. Any waste received at the Premises must only be used for activities referred to in relation to that waste in the column titled "Activity" in the table below. Any waste received at the Premises is subject to those limits or condition, if any, referred to in relation to that waste contained in the column titled "Other Limits" in the table below. This condition does not limit any other conditions in this Licence.	Compliant	As per Recycling Plant Quality Assurance Program.							

Waste	Description	Activity	Other Limits		
General Solid Waste (Non-putrescible)	Concrete, Bricks, Asphalt and Tiles	Resource Recovery/Waste Storage	Total 10,000 tonnes per annum		
General Solid Waste (Non-putrescible)	Building and Demolition Waste that does not contain asbestos as defined in the EPA's Waste Classification Guideline Part 1: Classifying Waste	Resource Recovery/Waste Storage			
General or Specific exempted waste	Waste that meets all the conditions of a resource recovery exemption under Clause 51 A of the Protection of the Environment Operations (Waste) Regulation 2005	As specified in each particular resource recovery exemption.	NA		
f. The proponent must have in place at all times a quality assurance program to ensure only the types of wastes permitted above are received at the premises. This quality assurance program must include:				Compliant	As per Recycling Plant Quality Assurance Program.
i) Inspection of the waste received at the premises (prior to tipping) to ensure it only contains the wastes allowed by an Environment Protection Licence issued by the EPA;					
ii) Inspection of the waste after tipping at the premises to ensure it only contains the wastes allowed by an Environment Protection Licence issued by the EPA;					
iii) Documenting all loads of waste that are received at the premises that contain wastes other than those approved above (including name and registration number of waste supplier, why the waste load did not comply, and the fate of that load of waste).					
g. Prior to any wastes rejected by the Quality Assurance Program leaving the premises the proponent must obtain from the owner of such wastes details of where that waste will be disposed legally.				Compliant	Information gathered and recorded in Rejected Load Register.
h. The proponent must notify Greater Taree City Council and Great Lakes Council within 30 minutes of any rejected waste load leaving the premises, including the name and registration number of waste supplier, why the waste load was rejected, and the proposed fate of that load of waste.				Compliant	MCC notified of nine (9) rejected loads in the 2022-2023 period. Five (5) due to excess asphalt with load, seven (7) due to excess organic material and one (1) due to suspected ACM.

	i. Any load of waste that is received at the premises, which does not comply with the types of waste allowed to be received at the premises, and has not been returned to the supplier, must be stockpiled separately at the premises. The EPA must be notified within 24 hours of receipt of any such load of waste, including details of why the waste is not permitted to be received and actions the licensee will take to lawfully dispose of such wastes.	Not triggered	
	j. All residual waste by-products from the waste recycling operations conducted onsite (for example paper, cardboard, plastic, timber, steel) must be stored separately in such a manner that it does not cause windblown litter and must be regularly removed from the site for appropriate disposal or recycling. No such materials are permitted to be disposed at the premises.	Compliant	All residual waste (largely steel) separated and treated.
	k. The proponent must supply to the EPA annually with the Environment Protection Licence Annual Return a plan and table showing, as at the licence anniversary date: i) The location of all waste stockpiles on the premises; ii) The type of waste in each stockpile; iii) The height of each stockpile; iv) The amount of waste in each stockpile in tonnes; and v) The total amount of waste in all stockpiles in tonnes and whether the limit of 10,000 tonnes has been exceeded.	Compliant	Supplied with Annual Return 15 October 2022
3	Any soils accepted for beneficiation/recycling must not include organic material.	Not triggered	No soils received on site.
4	The existing Environment Protection Licence 3393 issued by the EPA under the Protection of the Environment Operations Act 1997 must be amended to include the recycling plant. A copy of the amended licence must be submitted to Council prior to the commencement of the operations.	Compliant	Copy of amended EPL provided to Council 15 September 2016.
5	Separate metal recycling not resulting as a by-product of the break up of reinforced concrete and the like will not be permitted.	Compliant	Only reinforcing steel from concrete is received and separated for recycling.

EPL 3393

Internal Audit

July 2022 – June 2023

An audit of all EPL 3393 conditions is undertaken on an Annual Basis in June each year to align with the Annual Review reporting period (July-June) of the quarry DA (283/97 MOD4) and the EPL Annual Report (due late September each year).

The aim of the audit schedule is to aid in the ongoing assessment and continual improvement of the performance of the project.

During the Audit each condition is assigned a Status Category along with additional descriptive comments as required. These categories are set out in the DPIE document titled *Requirement 1 Compliance Reporting Post Approval Requirements* (May 2020).

Status Categories:

- Compliant
- Non-compliant
- Not Triggered

CONDITIONS OF APPROVAL EPL 3393

Condition Number	Condition	Status June 2023	Comments															
A1.1	<p>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.</p> <table border="1" data-bbox="246 459 1630 874"> <thead> <tr> <th>Scheduled Activity</th> <th>Fee Based Activity</th> <th>Scale</th> </tr> </thead> <tbody> <tr> <td>Crushing, grinding or separating</td> <td>Crushing, grinding or separating</td> <td>> 100000 - 500000 T annual processing capacity</td> </tr> <tr> <td>Extractive activities</td> <td>Extractive activities</td> <td>> 100000 - 500000 T annual capacity to extract or process</td> </tr> <tr> <td>Resource recovery</td> <td>Recovery of general waste</td> <td>Any general waste recovered</td> </tr> <tr> <td>Waste storage</td> <td>Waste storage - other types of waste</td> <td>Any other types of waste stored</td> </tr> </tbody> </table> <p><i>Note: Limits on resource recovery and waste storage are detailed in condition L3.1.</i></p>	Scheduled Activity	Fee Based Activity	Scale	Crushing, grinding or separating	Crushing, grinding or separating	> 100000 - 500000 T annual processing capacity	Extractive activities	Extractive activities	> 100000 - 500000 T annual capacity to extract or process	Resource recovery	Recovery of general waste	Any general waste recovered	Waste storage	Waste storage - other types of waste	Any other types of waste stored	Compliant	
Scheduled Activity	Fee Based Activity	Scale																
Crushing, grinding or separating	Crushing, grinding or separating	> 100000 - 500000 T annual processing capacity																
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A2.1	<table border="1" data-bbox="246 943 1131 1361"> <thead> <tr> <th>Premises Details</th> </tr> </thead> <tbody> <tr> <td> PACIFIC BLUE METAL 113-115 POSSUM BRUSH ROAD POSSUM BRUSH NSW 2430 LOT 66 DP 608957, LOT 3 DP 701903, LOT 109 DP 753195 PREMISES FURTHER DEFINED BY DRAWING/MAP TITLED "PACIFIC BLUE METAL EPL BOUNDARY" DATED 19 OCTOBER 2016 (EPA REFERENCE DOC16/534871). </td> </tr> </tbody> </table>	Premises Details	PACIFIC BLUE METAL 113-115 POSSUM BRUSH ROAD POSSUM BRUSH NSW 2430 LOT 66 DP 608957, LOT 3 DP 701903, LOT 109 DP 753195 PREMISES FURTHER DEFINED BY DRAWING/MAP TITLED "PACIFIC BLUE METAL EPL BOUNDARY" DATED 19 OCTOBER 2016 (EPA REFERENCE DOC16/534871).	The licence applies to the following premises:	Compliant													
Premises Details																		
PACIFIC BLUE METAL 113-115 POSSUM BRUSH ROAD POSSUM BRUSH NSW 2430 LOT 66 DP 608957, LOT 3 DP 701903, LOT 109 DP 753195 PREMISES FURTHER DEFINED BY DRAWING/MAP TITLED "PACIFIC BLUE METAL EPL BOUNDARY" DATED 19 OCTOBER 2016 (EPA REFERENCE DOC16/534871).																		

A3.1	<p>This licence applies to all other activities carried on at the premises, including:</p> <table border="1" data-bbox="246 172 1619 284"> <tr> <td data-bbox="246 172 1619 236">Ancillary Activity</td> </tr> <tr> <td data-bbox="246 236 1619 284">Bitumen mixing</td> </tr> </table>	Ancillary Activity	Bitumen mixing	Compliant											
Ancillary Activity															
Bitumen mixing															
A4.1	<p>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.</p> <p>In this condition the reference to "the licence application" includes a reference to:</p> <p>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</p> <p>b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.</p>	Compliant													
A4.2	<p>Any other document and/or management plan is not to be taken as part of the documentation in condition A4.1, other than those documents and/or management plans specifically referenced in this licence.</p>	Compliant													
P1.1	<p>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.</p> <p style="text-align: center;">Air</p> <table border="1" data-bbox="246 655 1619 874"> <thead> <tr> <th data-bbox="246 655 443 743">EPA identi- fication no.</th> <th data-bbox="443 655 763 743">Type of Monitoring Point</th> <th data-bbox="763 655 1084 743">Type of Discharge Point</th> <th data-bbox="1084 655 1619 743">Location Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="246 743 443 874">1</td> <td data-bbox="443 743 763 874">Discharge to air</td> <td data-bbox="763 743 1084 874">Discharge to air</td> <td data-bbox="1084 743 1619 874">Stack serving the onsite asphalt plant located at the south-west portion of the quarry footprint.</td> </tr> </tbody> </table>	EPA identi- fication no.	Type of Monitoring Point	Type of Discharge Point	Location Description	1	Discharge to air	Discharge to air	Stack serving the onsite asphalt plant located at the south-west portion of the quarry footprint.	Compliant					
EPA identi- fication no.	Type of Monitoring Point	Type of Discharge Point	Location Description												
1	Discharge to air	Discharge to air	Stack serving the onsite asphalt plant located at the south-west portion of the quarry footprint.												
P1.2	<p>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.</p> <p style="text-align: center;">Water and land</p> <table border="1" data-bbox="286 1002 1565 1361"> <thead> <tr> <th data-bbox="286 1002 443 1070">EPA Identi-</th> <th data-bbox="443 1002 763 1070">Type of Monitoring</th> <th data-bbox="763 1002 1084 1070">Type of Discharge</th> <th data-bbox="1084 1002 1565 1070">Location</th> </tr> </thead> <tbody> <tr> <td data-bbox="286 1070 443 1361">2</td> <td data-bbox="443 1070 763 1361">Discharge to waters</td> <td data-bbox="763 1070 1084 1361">Discharge to waters</td> <td data-bbox="1084 1070 1565 1361">The discharge point from Sediment</td> </tr> <tr> <td></td> <td data-bbox="443 1187 763 1361">Discharge</td> <td data-bbox="763 1187 1084 1361">Discharge</td> <td data-bbox="1084 1187 1565 1361">Dam 3 as shown in Figure 2.1 of the EIS of September 1997 completed by ERM Mitchell McCotter Pty Ltd (EPA Reference DOC19/922592).</td> </tr> </tbody> </table>	EPA Identi-	Type of Monitoring	Type of Discharge	Location	2	Discharge to waters	Discharge to waters	The discharge point from Sediment		Discharge	Discharge	Dam 3 as shown in Figure 2.1 of the EIS of September 1997 completed by ERM Mitchell McCotter Pty Ltd (EPA Reference DOC19/922592).	Compliant	
EPA Identi-	Type of Monitoring	Type of Discharge	Location												
2	Discharge to waters	Discharge to waters	The discharge point from Sediment												
	Discharge	Discharge	Dam 3 as shown in Figure 2.1 of the EIS of September 1997 completed by ERM Mitchell McCotter Pty Ltd (EPA Reference DOC19/922592).												

L1.1	Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.	Compliant																									
L2.1	For each monitoring/discharge point or utilisation area specified in the table\’s below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.	Compliant																									
L2.2	Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.	Compliant																									
L2.3	To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table\’s.	Compliant																									
L2.4	<p>Air Concentration Limits. <i>POINT 1</i></p> <table border="1" data-bbox="277 528 1574 756"> <thead> <tr> <th>Pollutant</th> <th>Units of measure</th> <th>100 percentile concentration limit</th> <th>Reference conditions</th> <th>Oxygen correction</th> <th>Averaging period</th> </tr> </thead> <tbody> <tr> <td>Solid Particles</td> <td>milligrams per cubic metre</td> <td>50</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period	Solid Particles	milligrams per cubic metre	50				Compliant													
Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period																						
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L2.5	<p>Water and/or Land Concentration Limits. <i>POINT 2</i></p> <table border="1" data-bbox="264 932 1581 1347"> <thead> <tr> <th>Pollutant</th> <th>Units of Measure</th> <th>50 percentile concentration limit</th> <th>90 percentile concentration limit</th> <th>3DGM concentration limit</th> <th>100 percentile concentration limit</th> </tr> </thead> <tbody> <tr> <td>Oil and Grease</td> <td>Visible</td> <td></td> <td></td> <td></td> <td>10mg/L &/or non-visible</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> </tbody> </table>	Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit	Oil and Grease	Visible				10mg/L &/or non-visible	pH	pH				6.5-8.5	Total suspended solids	milligrams per litre				50	Compliant	<p>One (1) overflow event 06 July 2022. Heavy rain and widespread flooded occurred.</p> <p>Water quality sampling returned under the concentration limits.</p>
Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit																						
Oil and Grease	Visible				10mg/L &/or non-visible																						
pH	pH				6.5-8.5																						
Total suspended solids	milligrams per litre				50																						

L3.1	<p>The licensee must not cause, permit or allow any waste to be received at the premises, except the wastes expressly referred to in the column titled "Waste" and meeting the definition, if any, in the column titled "Description" in the table below.</p> <p>Any waste received at the premises must only be used for the activities referred to in relation to that waste in the column titled "Activity" in the table below.</p> <p>Any waste received at the premises is subject to those limits or conditions, if any, referred to in relation to that waste contained in the column titled "Other Limits" in the table below.</p> <p>This condition does not limit any other conditions in this licence.</p> <table border="1" data-bbox="248 357 1635 842"> <thead> <tr> <th>Code</th> <th>Waste</th> <th>Description</th> <th>Activity</th> <th>Other Limits</th> </tr> </thead> <tbody> <tr> <td>NA</td> <td>General solid waste (non-putrescible)</td> <td>Concrete, Bricks, Asphalt, Tiles. Building and Demolition Waste that does not contain asbestos as defined in the EPA's Waste Classification Guideline Part 1 : Classifying Waste</td> <td>Resource recovery Waste storage</td> <td>Total 10,000 tonnes per annum</td> </tr> </tbody> </table>	Code	Waste	Description	Activity	Other Limits	NA	General solid waste (non-putrescible)	Concrete, Bricks, Asphalt, Tiles. Building and Demolition Waste that does not contain asbestos as defined in the EPA's Waste Classification Guideline Part 1 : Classifying Waste	Resource recovery Waste storage	Total 10,000 tonnes per annum	Compliant	
Code	Waste	Description	Activity	Other Limits									
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L3.2	The authorised amount of waste permitted on the premises must not exceed 10 000 tonnes at any time.	Compliant											
L4.1	<p>Noise generated at the premises must not exceed the noise limits presented in the Table below.</p> <table border="1" data-bbox="264 1018 1668 1241"> <thead> <tr> <th>Location</th> <th>Limit LAeq 15 minute (dBA)</th> <th>Noise Limit LAmax (dBA)</th> </tr> </thead> <tbody> <tr> <td>Receiver Location 1 – 5 St Peters Cl, Possum Brush</td> <td>39</td> <td>45</td> </tr> <tr> <td>Receiver Location 2 – 175 Possum Brush Rd, Possum Brush</td> <td>38</td> <td>45</td> </tr> </tbody> </table>	Location	Limit LAeq 15 minute (dBA)	Noise Limit LAmax (dBA)	Receiver Location 1 – 5 St Peters Cl, Possum Brush	39	45	Receiver Location 2 – 175 Possum Brush Rd, Possum Brush	38	45	Compliant	Noise monitoring undertaken 25 August 2022. Noise levels at all listed locations was either 'inaudible' or '<20dBA'	
Location	Limit LAeq 15 minute (dBA)	Noise Limit LAmax (dBA)											
Receiver Location 1 – 5 St Peters Cl, Possum Brush	39	45											
Receiver Location 2 – 175 Possum Brush Rd, Possum Brush	38	45											

	Receiver Location 3 – 55 Possum Brush Rd, Possum Brush	37	45		
	<p>Note: The LAeq limits apply at all times, that is, Daytime, Evening and Night Time Operations. The LAmix limits apply to the "night-time" operations.</p> <p>Note: Receiver Locations are shown in the plan titled Figure 2 Location of Nearest Sensitive Receptors, which is found within the report prepared by Heggies titled "Pacific Blue Metal Quarry Noise Compliance Assessment Asphalt Plant Night-time Operations", dated 14 April 2010. (EPA Reference DOC19/922576)</p>				
L4.2	<p>For the purpose of the Noise Limits specified in the table above:</p> <p>a) Day is defined as the period from 7am to 6pm Monday to Saturday and 8am to 6pm Sunday and Public Holiday's. b) Evening is defined as the period 6pm to 10pm. c) Night is defined as the period from 10pm to 7am Monday to Saturday and 10pm to 8am Sunday and Public Holiday's.</p>			Compliant	
L4.3	<p>The noise limits specified in the table above apply under all meteorological conditions except for:</p> <p>a) Wind speeds greater than 3m/second at 10m above ground level. b) Stability category F temperature inversion conditions and wind speeds greater than 2m/second at 10m above ground level; or c) Stability category G temperature inversion conditions.</p>			Compliant	
L4.4	<p>For the purposes of the condition above, stability category temperature inversion conditions are to be determined by the sigma-theta method referred to in Part D1.4 of Fact Sheet D of the to the NSW Noise Policy for Industry</p>			Compliant	
L4.5	<p>For the purposes of determining the noise generated at the premises a Class 1 or 2 noise monitoring equipment as defined by AS IEC61672.1-2004 and AS IEC61672.2-2004, or other noise monitoring equipment accepted by the EPA in writing, must be used.</p>			Compliant	Spectrum Acoustics equipment meets this requirement.
L4.6	<p>To determine compliance:</p> <p>a) Leq(15 minute) noise limits, noise monitoring equipment must be located:</p>			Compliant	Noise monitoring undertaken 25/08/22
	<p>i) within 30m of a dwelling façade where any dwelling on the property is more than 30m from the property boundary closest to the premises.</p>				
	<p>ii) approximately on the boundary where any dwelling is situated 30m or less from the property boundary closest to the premises.</p>				
	<p>b) The noise monitoring equipment must be located in a position that is:</p>				
	<p>i) at the most affected point at a location where there is no dwelling at the location; or</p>				
	<p>ii) at the most affected point within an area at a location prescribed by item (a) of this condition</p>				
L4.7	<p>A breach of this Environment Protection Licence will still occur where noise generated from the premises in excess of the appropriate limit specified in this licence is detected:</p>			Compliant	

	a) in an area at a location other than an area prescribed by the condition above; and/or		
	b) at a point other than the most affected point at a location.		
L4.8	For the purposes of determining the noise generated at the premises the modification factors in Fact Sheet C of the NSW Noise Policy for Industry must be applied, as appropriate, to the noise levels measured by the noise monitoring equipment.	Compliant	
L5.1	The airblast overpressure level from blasting operations at the premises must not exceed 120dB (Lin Peak) at any time at any noise sensitive locations. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.	Compliant	Blast monitoring demonstrates compliance. Airblast overpressure level range from Nil Trigger to 109.9dBA.
L5.2	The airblast overpressure level from blasting operations at the premises must not exceed 115dB (Lin Peak) at any noise sensitive locations for more than five per cent of the total number of blasts over each reporting period. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.	Compliant	As above
L5.3	Ground vibration peak particle velocity from the blasting operations at the premises must not exceed 10mm/sec at any time at any noise sensitive locations. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.	Compliant	Blast monitoring demonstrates compliance. Airblast overpressure level range from Nil Trigger to 3.49mm/s.
L5.4	Ground vibration peak particle velocity from the blasting operations at the premises must not exceed 5mm/sec at any noise sensitive locations for more than five per cent of the total number of blasts over each reporting period. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.	Compliant	As above
L.5.5	To determine compliance with the blasting limits specified in the above four (4) conditions: a) Airblast overpressure and ground vibration levels must be measured at any point within 1 metre of any affected residential boundary or other noise sensitive location such as a school or hospital for all blasts carried out in or on the premises; and	Compliant	Blast monitoring undertaken as per requirements. Details provided in reports.
	b) Instrumentation used to measure the airblast overpressure and ground vibration levels must meet the requirements of Australian Standard 2187.2 of 1993.	Compliant	Note AS2187.2 was updated in 2006, superseding the 1993 version. Monitoring equipment meets the requirements of the current 2006 version.

L5.6	Blasting operations at the premises may only take place between 9:00am – 3:00pm Monday to Friday. Blasting is not permitted on public holidays. Blasting outside the hours specified above can only take place with the written approval of the EPA.	Compliant	Blasting took place between 10:43am – 2:26pm Monday – Friday.
L5.7	Offensive blast fume must not be emitted from the premises. <i>Definition:</i> <i>Offensive blast fume means post-blast gases from the detonation of explosives at the premises that by reason of their nature, duration, character or quality, or the time at which they are emitted, or any other circumstances:</i> 1. are harmful to (or likely to be harmful to) a person that is outside the premises from which it is emitted, or 2. interferes unreasonably with (or is likely to interfere unreasonably with) the comfort or repose of a person who is outside the premises from which it is emitted.	Compliant	No offensive blast fumes emitted from premises.
L6.1	Construction work at the premises must only be conducted between 7:00am to 6:00pm and between 8:00am to 1:00pm Saturday with no works on Sunday or public holidays.	Compliant	Condition adhered to. Records of operating hours kept.
L6.2	<p>All other activities at the premises must only be carried out between the hours detailed below: <i>Hours of Operation for General Quarry Operations</i></p> <p>a) All quarrying activities must be conducted between 6:30am and 6:00pm Monday to Friday, and between 7:00am and 3:00pm Saturdays, except as detailed below.</p> <p><i>Permissible Times for Vehicles Entering the Premises</i></p> <p>b) Trucks used for the transport of product are not permitted to enter the premises before 6:15am Monday to Friday or 6:45am Saturdays. In respect of these trucks entering the premises, the licensee must erect and maintain a gate across the site access road 200 metres from the product stockpile area or in another area agreed by Council, which must not be opened prior to 6:30am Monday to Friday or 7:00am Saturday to allow access to the stockpile.</p> <p>c) No other trucks or heavy machinery are to enter the premises prior to 6:30am Monday to Friday or prior to 7:00am Saturdays.</p> <p>d) Loaded trucks or heavy machinery are not permitted to enter the premises after 6:00pm Monday to Friday or after 3:00pm Saturdays.</p> <p>e) Unloaded trucks or heavy machinery, except those described in Clause f) and i) below, are not permitted to enter the premises after the hours of 6:00pm Monday to Friday and after 3:00pm Saturdays.</p> <p>f) Trucks containing returned loads of product and trucks owned or operated by the licensee, for licensed activities, and normally garaged at the premises, may enter the premises after the hours of 6:00pm Monday to Friday and after 3:00pm Saturdays only in the following circumstances:</p> <p>i) The truck left the premises loaded with product prior to 6:00pm Monday to Friday or prior to 3:00pm Saturday.</p> <p>ii) The truck travelled directly to the delivery site by the most direct route.</p> <p>iii) The truck travelled directly back to the premises from the delivery site by the most direct route.</p>	Compliant	All conditions adhered to.

<p>iv) Records must be kept for all trucks returning to the premises after the hours of 6:00pm Monday to Friday and 3:00pm Saturdays which records the time the truck left the premises, the load carried, the delivery site, the customer details, and the time the truck returned to the premises. <i>Note: These records may take the form of weighbridge records and security camera date stamps.</i></p>		
<p>v) No trucks are permitted to enter the premises between 12 midnight Saturdays and 6:15am Monday.</p>		
<p><i>Permissible Times for Vehicles Leaving the Premises</i> g) No trucks or heavy machinery are to leave the premises prior to 6:30am Monday to Friday or 7:00am Saturdays.</p>		
<p><i>Hours of Operation for Asphalt Plant</i> <i>Note: Greater Taree City Council has issued development consent for the asphalt plant to operate on a 24 hours per day basis under certain circumstances. The conditions below reflect that consent.</i></p>		
<p>h) The exception to operational hours described in clauses a) to g) above is the operational hours of the asphalt plant in the circumstances set out below:</p>		
<p>i) The asphalt plant and associated truck movements are permitted to operate 24 hours per day during the period 6:30am Monday to 10:00pm Friday for a maximum of 60 days in any one calendar year. (For the purposes of this licence the calendar year is the same as the report period year).</p>		
<p>ii) The licensee must notify Director Hunter Region of the EPA when each night operations will be undertaken by email at hunter.region@epa.nsw.gov.au, prior to the night time operations being undertaken.</p>		
<p>i) Trucks containing returned loads of product and trucks owned or operated by the licensee which are normally garaged at the premises and involved in the delivery of asphalt during the 60 days per year of night time asphalt plant operations may enter the premises after 10:00pm Friday only in the following circumstances;</p>		
<p>i) The truck left the premises loaded with product prior to 10:00pm Friday.</p>		
<p>ii) The truck travelled directly to the delivery site by the most direct route.</p>		
<p>i) The truck travelled directly back to the premises from the delivery site by the most direct route.</p>		
<p>ii) Records must be kept for all trucks returning to the premises after 10:00pm Friday which records the time the truck left the premises, the load carried, the delivery site, the customer details, and the time the truck returned to the premises. <i>Note: These records may take the form of weighbridge records and security camera date stamps.</i></p>		
<p>iii) No trucks are permitted to enter the premises between 12 midnight Saturdays and 6:15am Monday.</p>		
<p><i>Hours of Operation for Maintenance Activities</i> j) Maintenance of equipment strictly in the workshop or plant areas is permitted between the hours of 6:00am to 9:00pm Monday to Saturday. Any maintenance carried out within these hours but outside the quarrying activities hours set out in clause a) must be inaudible at any residence (except residences owned by the licensee).</p>		
<p><i>No Activities on Sundays or Public Holidays</i> k) No works, maintenance, truck or machinery movements in or out of the premises are permitted on Sundays or Public Holidays.</p>		

	<p><i>Extension of Hours of Operation in Emergency and Other Circumstances</i></p> <p>l) The hours of operation of the quarrying activities as set out in clause a) above can only be extended for an emergency or for circumstances involving the upgrading of the Pacific Highway, on a short term basis, with Council approval. A licence variation is not required in these circumstances under the following conditions:</p> <p>i) The Licensee must notify the EPA Director Hunter Region by email at hunter.region@epa.nsw.gov.au of the intention to apply to council to extend the quarry's operational hours and the circumstances surrounding the application.</p> <p>ii) The Licensee must notify the EPA Director Hunter Region by email at hunter.region@epa.nsw.gov.au of the Council's decision in written form.</p> <p>iii) The Licensee must keep a log of all such extension for inspection if required.</p>		
L6.3	<p>Trucks associated with the waste recycling activities must not enter the premises prior to 7:00am.</p> <p><i>Note: the necessity for this condition will be assessed by the EPA after it has been determined if trucks at the premises are causing exceedances of the LAMAX noise limits and/or if all feasible and reasonable noise ameliorative works have been undertaken.</i></p>	Compliant	Start time included in driver induction and on front gate signage.
L7.1	<p>No condition of this licence identifies a potentially offensive odour for the purposes of Section 129 of the Protection of the Environment Operations Act 1997.</p> <p><i>Note: Section 129 of the Protection of the Environment Operations Act 1997, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.</i></p>	Compliant	
O1.1	<p>Licensed activities must be carried out in a competent manner. This includes:</p> <p>a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and</p> <p>b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.</p>	Compliant	
O2.1	<p>All plant and equipment installed at the premises or used in connection with the licensed activity:</p> <p>a) must be maintained in a proper and efficient condition; and</p> <p>b) must be operated in a proper and efficient manner.</p>	Compliant	All plant and equipment undergo daily prestart, regular and scheduled servicing and maintenance and are operated by trained competent operators.
O3.1	<p>The premises must be maintained in a condition which minimises or prevents the emission of air impurities, including dust, from the premises.</p>	Compliant	Air Quality Management Plan outlines actions to control and minimise dust generation from the premises.

O3.2	All operations and activities occurring at the premises must be carried out in a manner that will minimise the emission of air impurities, including dust, from the premises.	Compliant	See above
O3.3	Trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading.	Compliant	Requirement to cover load forms part of Truck Driver induction. Weighbridge operator enforces requirement.
O4	Note: The licensee must maintain, and implement as necessary, a current Pollution Incident Response Management Plan (PIRMP) for the premises in accordance with Part 5.7A of the Protection of the Environment Operations Acts 1997 and Part 3A of the Protection of the Environment Operations (General) Regulation 2009. The licensee must keep the PRIMP on the premises at all times. The PIRMP must document systems and procedures to deal with all types of incidents (eg spills, explosions, fire) that may occur at the premises or that may be associated with activities at the premises and which are likely to cause harm to the environment. The PIRMP must be tested at least annually and following a pollution incident.	Compliant	PIRMP in place. Reviewed annually. Last updated 12 August 2022
O5.1	Stormwater from all areas of the premises, which has the potential to mobilise sediments and other material must be controlled and diverted through the appropriate erosion and sediment control and or pollution control measures/structures.	Compliant	Stormwater managed as per Water Management Plan.
O5.2	Erosion and sediment control and/or pollution measures and/or structures to capture stormwater from all areas of the premises must be installed and maintained.	Compliant	As above
O5.3	All above ground tanks containing material that is likely to cause environmental harm must be bunded or have an alternative spill containment system in place.	Non - Compliant	Bunds were installed and maintained as required. During the inspection for the 2022 Independent Environmental Audit, it was identified that containers of liquids were stored in an open, unbunded area. The matter was immediately rectified as reported in the Pacific Blue Metal Response to Audit Recommendations.

O5.4	Bunds must:	Compliant	Bunds meet stated requirements. Diesel bund has a drain valve incorporated to remove excess water. Valve is locked and SOP's exist for operation of the drain to ensure environmental protection.
	a) have walls and floors constructed of impervious materials;		
	b) be of sufficient capacity to contain 110% of the volume of the tank (or 110% volume of the largest tank where a group of tanks are installed);		
	c) have floors graded to a collection sump; and		
	d) not have a drain valve incorporated in the bund structure, or be constructed and operated in a manner that achieves the same environmental outcome.		
O6.1	The Licensee must ensure that any waste received at the premises is assessed and classified in accordance with the EPA's Waste Classification Guidelines as in force from time to time.	Compliant	As per Recycling Plant Quality Assurance Program.
O6.2	The Licensee must have in place at all times a quality assurance program to ensure only the types of wastes permitted above are received at the premises. This quality assurance program must include:	Compliant	See above
	a) Inspection of the waste received at the premises (prior to tipping) to ensure it only contains the wastes allowed by this licence;		
	b) Inspection of the waste after tipping at the premises to ensure it only contains the wastes allowed by this licence;		
	c) Documenting all loads of waste that are received at the premises that contain wastes other than those approved above (including name and registration number of waste supplier, why the waste load did not comply, and the fate of that load of waste).		
O6.3	Prior to any wastes rejected by the Quality Assurance Program leaving the premises the Licensee must obtain from the owner of such wastes details of where that waste will be disposed legally.	Compliant	Information gathered and recorded in Rejected Load Register.
O6.4	The Licensee must notify MidCoast Council within 30 minutes of any rejected waste load leaving the premises, including the name and registration number of waste supplier, why the waste load was rejected, and the proposed fate of that load of waste.	Compliant	MCC notified of nine (9) rejected loads in the 2022-2023 period. Five (5) due to excess asphalt with load, seven (7) due to excess organic material and one (1) due to suspected ACM.

O6.5	Any load of waste that is received at the premises, which does not comply with the types of waste allowed to be received at the premises, and has not been returned to the supplier, must be stockpiled separately at the premises. The EPA must be notified within 24 hours of receipt of any such load of waste, including details of why the waste is not permitted to be received and actions the licensee will take to lawfully dispose of such wastes.	Not activated						
O6.6	All residual waste by-products from the waste recycling operations conducted on-site (for example paper, cardboard, plastic, timber, steel) must be stored separately in such a manner that it does not cause windblown litter and must be regularly removed from the site for appropriate disposal or recycling. No such materials are permitted to be disposed at the premises.	Compliant	All residual waste (largely steel) separated and treated.					
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:	Not activated						
	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 officers of the EPA who asks to see them.							
M1.3	The following records must be kept in respect of any samples required to be collected for the purposes of this licence:	Compliant	All details recorded as required.					
	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.							
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:	Compliant	Requirements adhered to.					
M2.2	Water and/or Land Monitoring Requirements	Compliant	One (1) overflow monitoring event occurred on 06 July 2022. Analysis showed compliance					
	<table border="1"> <thead> <tr> <th>Pollutant</th> <th>Units of measure</th> <th>Frequency</th> <th>Sampling Method</th> </tr> </thead> <tbody> <tr> <td>Oil and Grease</td> <td>Visible</td> <td>Each overflow event</td> <td>Visual Inspection</td> </tr> </tbody> </table>			Pollutant	Units of measure	Frequency	Sampling Method	Oil and Grease
Pollutant	Units of measure	Frequency	Sampling Method					
Oil and Grease	Visible	Each overflow event	Visual Inspection					

	pH	pH	Each overflow event	Grab sample			with concentration limits.
	Total suspended solids	milligrams per litre	Each overflow event	Grab sample			
M3.1	Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.					Compliant	
M4.1	A meteorological weather station must be maintained at the premises so as to be capable of continuously monitoring the parameters specified in the condition below. <i>Note: For the purposes of this condition and noise limit conditions it has been agreed that the meteorological weather station located at the Failford Quarry is acceptable for use and the weather conditions at Failford Quarry are deemed identical to those at the premises.</i>					Compliant	
M4.2	For each monitoring point specified in the table below the licensee must monitor (by sampling and obtaining results by analysis) the parameters specified in Column 1. The licensee must use the sampling method, units of measure, averaging period and sample at the frequency, specified opposite in the other columns.					Compliant	
	Parameter	Units of Measure	Frequency	Averaging Period	Sampling Method		
	Rainfall	millimetres	Continuous	1 hour	AM-4		
	Wind speed @ 10 metres	metres per second	Continuous	15 minute	AM-2 and AM-4		
	Wind direction @ 10 metres	degrees	Continuous	15 minute	AM-2 and AM-4		
	Temperature @ 2 metres	degrees celcius	Continuous	15 minute	AM-4		
	Temperature @ 10 metres	degrees celcius	Continuous	15 minute	AM-4		
	Sigma theta @ 10 metres	degrees	Continuous	15 minute	AM-2 and AM-4		
	Additional Requirements: - Siting - Measurement	- -	- -	- -	AM-1 and AM-4 AM-2 and AM-4		
M5.1	The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.					Compliant	No complaints received in the reporting period.
M5.2	The record must include details of the following:					Compliant	

	a) the date and time of the complaint;		No complaints received in the reporting period.
	b) the manner 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.		
M5.3	The record of a complaint must be kept for at least 4 years after the complaint was made.	Compliant	Complaint records kept.
M5.4	The record must be produced to any authorised officers of the EPA who asks to see them.	Not Activated	
M6.1	The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by vehicles or mobile plant, unless otherwise specified in the licence.	Compliant	Complaints line 6554 3597.
M6.2	The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.	Compliant	Complaints line advertised on front gate signage and website.
M6.3	The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.	Compliant	
M7.1	To determine compliance with Condition L4, attended noise monitoring must be undertaken in accordance with the requirements of conditions titles "Noise Limits".	Compliant	Noise monitoring undertaken 25 August 2022.
	a) at each one of the locations listed in the noise limits table;		
	b) annually beginning 1 January each year;		
	c) occur at the time of year when noise levels are expected to be highest, that is, generally winter conditions;		
	d) occur at a time corresponding to usual or busy quarry activities; and		
	e) occur during each day, evening and night period as defined in the NSW Industrial Noise Policy; and		

	f) occur at a time corresponding to "normal" or above average production conditions and truck movements.		
	Note: The requirement to continue this monitoring will be assessed upon request by the licensee and after several noise compliance tests have been conducted.		
R1.1	The licensee must complete and supply to the EPA and Annual Return in the approved form comprising:	Compliant	Most recent annual return submitted 15 October 2022, for period 17 August 2021 – 16 August 2022.
	1. a Statement of Compliance; and		
	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,		
	7. a Statement of Compliance – Environmental Management Systems and Practices; and		
	8. a Statement of Compliance – Environmental Improvement Works.		
	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.		
R1.2	An Annual Return must be prepared in respect of each reporting period, except as provided below. <i>Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.</i>	Compliant	
R1.3	Where this licence is transferred from the licensee to a new licensee:	Not Triggered	
	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.		
	<i>Note: An application to transfer a licence must be made in the approved form for this purpose.</i>		
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:	Not Triggered	
	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.		
R1.5	The Annual Return for the reporting period must be supplied to the EPA by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').	Compliant	Annual return submitted 15 October 2022
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	Records kept electronically at Head Office for at least four (4) years.
R1.7	Within the Annual Return, the Statement of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:	Compliant	Annual return signed by person approved in writing.
	a) the licence holder; or b) by a person approved in writing by the EPA to sign on behalf of the licence holder.		
R1.8	The licensee must supply annually with the Environment Protection Licence Annual Return a plan and table showing as at the licence anniversary date:	Compliant	Supplied with Annual Return 15 October 2022.
	1. The location of all waste stockpiles on the premises;		
	2. The type of waste in each stockpile;		
	3. The height of each stockpile;		
	4. The amount of waste in each stockpiles in tonnes; and		
	5. The total amount of waste in all stockpiles in tonnes and whether the limit of tonnes has been exceeded.		
<i>Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.</i>			
R1.9	The licensee must supply, with each Annual Return, a Noise Monitoring Report prepared by a suitably qualified person which details the findings of the annual noise monitoring required by this licence. Where any of the noise limits detailed in this licence was exceeded during the required monitoring, the report must also detail the reason for the non-compliance and make recommendations as to the measures that will be implemented to ensure future compliance	Compliant	Submitted with Annual Return 05 October 2022.
R1.10	The licensee must supply, with each Annual Return, a Blasting Monitoring Report prepared by a suitably qualified person which must include the following information relating to each blast carried out at the premises during the reporting period covered by the Annual Return. a) the date and time of the blast;	Compliant	Submitted with Annual Return 05 October 2022.

	<ul style="list-style-type: none"> b) the location of the blast on the premises; c) the ground vibration results for each blast; d) the airblast overpressure results for each blast; e) an explanation for any missing blast monitoring results; and f) where any blast limit detailed in this licence was exceeded during the required monitoring, the report must also detail the reason for the non-compliance and make recommendations as to the measure that will be implemented to ensure future compliance. 		
R2.1	Notifications must be made by telephoning the Environment Line service on 131 555.	Not Triggered	No notifiable incidents occurred within the reporting period.
R2.2	The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.	Not Triggered	
R3.1	Where an authorised officer of the EPA suspects on reasonable grounds that:	Not Triggered	
	<ul style="list-style-type: none"> 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. 		
R3.2	The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.	Not Triggered	
R3.3	The request may require a report which includes any or all of the following information:	Not Triggered	
	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.			

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.	Not Triggered							
R4.1	The licensee must report any exceedance of the blasting limits in this licence to the EPA Director Hunter Regions by email at hunter.region@epa.nsw.gov.au as soon as practicable after the exceedance becomes known to the licensee or to one of the licensee's employees or agents and in any event within fourteen days of the exceedance becoming known	Not Triggered	No blast exceedance within the reporting period.						
G1.1	A copy of the 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.	Compliant	EPA officer requested to see Licence during site visit on 09 March 2023.						
G1.3	The licence must be available for inspection by any employee or agent of the licensee working at the premises.	Compliant	Available at Head Office.						
G2.1	The licensee must operate 24-hour telephone contact lines for the purpose of enabling the EPA to directly contact on or more representatives of the licensee who can: a) respond at all times to incidents relating to the premises b) contact the licensee's senior employees or agents authorised at all times to: i. speak on behalf of the licensee ii. provide any information or document required under this licence.	Compliant	24 hour contact lines and representatives provided 2018.						
G2.2	The licensee is to inform the EPA in writing of the appointment of any subsequent contact persons, or changes to the person's contact details as soon as practicable and in any event within fourteen days of the appointment or change.	Not Triggered	No changes.						
G3.1	Completed Programs <table border="1" data-bbox="241 954 1621 1117"> <thead> <tr> <th>Program</th> <th>Description</th> <th>Completed Date</th> </tr> </thead> <tbody> <tr> <td>PRP 1 - Noise Mitigation Investigations and Report</td> <td>Assess all reasonable and feasible noise mitigation measures to meet noise limit criteria at sensitive receptors</td> <td>22-July-2015</td> </tr> </tbody> </table>	Program	Description	Completed Date	PRP 1 - Noise Mitigation Investigations and Report	Assess all reasonable and feasible noise mitigation measures to meet noise limit criteria at sensitive receptors	22-July-2015	Compliant	
Program	Description	Completed Date							
PRP 1 - Noise Mitigation Investigations and Report	Assess all reasonable and feasible noise mitigation measures to meet noise limit criteria at sensitive receptors	22-July-2015							

Appendix 2

Summary of Environmental Management Monitoring

(Total No. of pages including blank pages = 82)



ENVIRONMENTAL MONITORING DATA

2022 2023

EPL	3393
Licensee Name	Pacific Blue Metal Pty Ltd
Facility Address	113 Possum Brush Road POSSUM BRUSH NSW 2430

BLAST		
Monitored when blasting at R1 and R2		
Parameter	Limit R1	Limit R2
Airblast Overpressure	120dB at any time & 115dB for no more than 5% of blasts	
Peak Particle Velocity	10mm/s at any time & 5mm/s for no more than 5% of blasts	

Month	Date Sampled	Date Obtained	Date Published	R1	R2	Comments
July	28/07/22	30/08/22	30/09/22	101.7 dB, 2.23 mm/s	Nil Trigger	-
August	19/08/22	31/08/22	30/09/22	103.5 dB, 2.35 mm/s	106.1 dB, 0.52 mm/s	-
September	16/09/22	21/12/22	31/12/22	103.3 dB, 1.15 mm/s	Nil Trigger	-
October	13/10/22	21/12/22	31/12/22	Nil Trigger	Nil Trigger	-
November	24/11/22	21/12/22	31/12/22	106.5 dB, 3.49 mm/s	Nil Trigger	-
December	-	-	-	-	-	-
January	-	-	-	-	-	-
February	02/02/23	15/02/23	30/04/23	102.2dB, 1.08mm/s	Nil trigger	-
	09/02/23	20/04/23	30/04/23	99.3dB, 1.50mm/s	Nil trigger	-
March	28/03/23	20/04/23	30/04/23	Nil trigger	109.9dB, 0.31mm/a	-
April	-	-	-	-	-	-
May	-	-	-	-	-	-
June	05/06/23	17/07/23	30/09/23	100.7dB, 1.27mm/s	107.6dB, 0.29mm/s	-

Resident Locations	R1 – Due S of Quarry R2 – NNE of Quarry	R3 – ENE of Quarry R4 – Due E of Quarry
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ENVIRONMENTAL MONITORING DATA

2022
2023

EPL	3393
Licensee Name	Pacific Blue Metal Pty Ltd
Facility Address	113 Possum Brush Road POSSUM BRUSH NSW 2430

WATER

Monitored on overflow at Dam 3

Parameter	Limit
pH	6.5 – 8.5
Total Suspended Solids (mg/L)	50
Oil and Grease (mg/L)	10mg/L or non-visible

Month	Date Sampled	Date Obtained	Date Published	pH	TSS	Oil & Grease	
July	06/07/22	18/07/22	30/09/22	7.8	12	<5.0	Heavy rain over several days – wide spread flooding
August	-	-	-	-	-	-	-
September	-	-	-	-	-	-	-
October	-	-	-	-	-	-	-
November	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-
January	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-
April	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-

Resident Locations	R1 – Due S of Quarry R2 – NNE of Quarry	R3 – ENE of Quarry R4 – Due E of Quarry
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ENVIRONMENTAL MONITORING DATA

2022 2023

EPL	3393
Licensee Name	Pacific Blue Metal Pty Ltd
Facility Address	113 Possum Brush Road POSSUM BRUSH NSW 2430

NOISE		Monitored Annually at R1, R2 & R3		
Parameter		Limit R1	Limit R2	Limit R3
Day	LA _{eq(15min)} (dBA)	39	38	37
Evening	LA _{eq(15min)} (dBA)	39	38	37
Night	LA _{eq(15min)} (dBA)	39	38	37
Night	LA _{max} (dBA)	45	45	45

The above noise criteria apply under all meteorological conditions except the following:

- Wind speeds greater than 3 metres/second at 10 meters above ground level; or
- Stability category F temperature inversion conditions and wind speeds greater than 2 metres/second at 10 meters above ground level; or
- Stability category G temperature inversion conditions.

Month	Date Sampled	Date Obtained	Date Published	Parameter	R1	R2	R3	Comments
August 2022	25/08/22	28/09/22	30/09/22	Day LA _{eq(15min)} (dBA)	inaudible	22	<20	-
	25/08/22	28/09/22	30/09/22	Evening LA _{eq(15min)} (dBA)	<20	<20	<20	-
	25/08/22	28/09/22	30/09/22	Night LA _{eq(15min)} (dBA)	inaudible	<20	<20	-

Resident Locations	R1 – Due S of Quarry R2 – NNE of Quarry	R3 – ENE of Quarry R4 – Due E of Quarry
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ENVIRONMENTAL MONITORING DATA

**2022
2023**

EPL	3393
Licensee Name	Pacific Blue Metal Pty Ltd
Facility Address	113 Possum Brush Road POSSUM BRUSH NSW 2430

NOISE	Monitored Biennially at R4 To determine the noise level of Quarry trucks travelling along Possum Brush Road during night time operations.
	Limit R3
Parameter	
Night LA _{eq(1hour)} (dBA)	50

Sampling Period	Date Sampled	Date Obtained	Date Published	R3 Night LA _{eq(1hour)} (dBA)	Comments
Biennial 2016-2017	18/07/17	31/07/17	28/09/17	43	-
Biennial 2018-2019	24/09/19	19/10/19	17/12/19	45	-
Biennial 2020-2021	08/07/20	15/07/20	30/09/20	43	-
Biennial 2022-2023	25/08/22	28/09/22	30/09/22	46	-

Resident Locations	R1 – Due S of Quarry R2 – NNE of Quarry	R3 – ENE of Quarry R4 – Due E of Quarry
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ENVIRONMENTAL MONITORING DATA

**2022
2023**

EPL	3393
Licensee Name	Pacific Blue Metal Pty Ltd
Facility Address	113 Possum Brush Road POSSUM BRUSH NSW 2430

DUST Monitored on request.		
Parameter	Limit R1 g/m ² /month	Limit R2 g/m ² /month
Deposited dust	4	4

Month	Date Sampled	Date Obtained	Date Published	R1 mg/m ² /month	R2 mg/m ² /month	Comments
n/a						No Sampling Required

Resident Locations	R1 – Due S of Quarry R2 – NNE of Quarry	R3 – ENE of Quarry R4 – Due E of Quarry
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28 September 2022

Ref: 09497/9699

Mr. Charlie Kennett

Pacific Blue Metal Pty Limited

P.O. Box 6

Nabiac NSW 2312

RE: POSSUM BRUSH QUARRY – NOISE MONITORING, AUGUST 2022

This letter report presents the results of noise monitoring conducted for Pacific Blue Metals (PBM) at the Possum Brush Quarry on 25th and 26th August 2022.

The noise monitoring was carried out to determine compliance with the Environmental Protection Licence for the quarry (EPL condition L6.1). Noise measurements of fifteen minutes duration were taken in the day, evening and night periods at Locations 1-3, with a third-octave band Bruel & Kjaer Observer sound level meter (Type 1). The monitoring locations are shown below in **Figure 1**. Photos of each noise monitoring location are shown in **Appendix I**. The relevant noise limits for each location are shown in **Table 1** (as per condition L6.1). The measurement of traffic noise from PBM trucks on Possum Brush Road was conducted for one hour during the night of 25th August.

Monitoring was conducted by Matthew Pennington (Project Technician, Spectrum Acoustics).

Table 1 : Noise Limits – Possum Brush Quarry

Location	dB(A) Leq (15 min)	dB(A), Lmax (night only)
1. 5 St Peters Close	39	45
2. 175 Possum Brush Rd	38	45
3. 55 Possum Brush Rd	37	45
4. 14991 Possum Brush Road	50 dB(A),Leq(1 hour)	N/A

Measured noise levels are summarised in **Tables 2-4**. An analysis of the data was undertaken using Bruel & Kjaer Evaluator software which, when referenced to site observations, enables the identification of noise not related to the quarry and the calculation of the contribution of quarry noise to overall received noise levels. The respective estimated noise contributions are shown in brackets in the comments column.



Figure 1 Noise Monitoring Locations

Table 2: Daytime Noise Monitoring Results – 26 August 2022

Location	Wind Speed (m/s) / dir	dB(A), LAeq	Comments
5 St Peters Close 10:20 pm	0.7 / NW	41	Birds (39), traffic (35), insects (29), PBM (inaudible)
175 Possum Brush Rd 11:28 am	0.4 / ENE	50	Traffic on PBM (49), birds (42), PBM (22)
55 Possum Brush Rd 11:04 am	0.4 / ENE	48	Quarry trucks (47) ¹ , traffic (40), birds (36), PBM (<20)

1. Noise from quarry trucks on Possum Brush Road (PBR).

Table 3: Evening Noise Monitoring Results – 25 August 2022

Location	Wind Speed (m/s) / dir	dB(A), LAeq	Comments
5 St Peters Close 8:51 pm	0.2 / SE	42	Traffic (41), frogs (31), insects (29), PBM (<20)
175 Possum Brush Rd 9:44 pm	0.1 / NNE	46	Aeroplane (46), frogs (33), traffic (32), PBM (<20)
55 Possum Brush Rd 9:24 pm	0.2 / SE	40	Traffic (39), frogs (34), insects (26), PBM (<20)

1. Noise from quarry trucks on Possum Brush Road (PBR).

Table 4: Night Noise Monitoring Results – 25 August 2022

Location	Wind Speed (m/s) / dir	dB(A), LAeq	Comments
5 St Peters Close 10:36 pm	0.1 / NNE	37	Traffic (34), insects (33), frogs (28), PBM (inaudible)
175 Possum Brush Rd 10:00 pm	0.1 / NNE	37	Birds (36), frogs (29), traffic (28), PBM (<20)
55 Possum Brush Rd 11:07 pm	0.1 / NNE	44	Quarry trucks (41) ¹ , frogs (38), traffic (37), PBM (<20)
14991 PB Road 11:28 pm ²	0.1 / NNE	60	Highway (60), Quarry trucks (46) ¹ , PBM (inaudible)

1. Noise from quarry trucks on Possum Brush Road (PBR).
2. See comments in text following Table 4.

The results shown in Tables 2 to 4 indicate that, under the operational and atmospheric conditions at the time, noise emissions from the quarry did not exceed the relevant noise criteria at any monitoring location at any time during the survey.

During the monitoring period the trucks on the quarry access road (where they are considered as a site noise source) were only briefly audible at the monitoring location 5 St Peters Close during the evening period and were otherwise inaudible.

At 175 Possum Brush Road the quarry was faintly audible with quantifiable noise contributions from dozer tracks, reverse sirens, machinery engine revs, and associated plant item noise which equating to **22 dB(A) Leq (15 min)** during the day-time period.

At 55 Possum Brush Road the quarry was not audible. Noise from trucks associated with the quarry travelling on Possum Brush Rd was calculated at **41-47 dB(A) Leq (15 min)** during the day and night periods. In NSW noise from vehicles on public roads is assessed separately to site noise. The criterion for noise from traffic travelling on Possum Brush Road is **55 dB(A) Leq (1 hour)** during the day/evening and **50 dB(A) Leq(1 hour)** during the night.

At 14991 Possum Brush Road there were three quarry trucks recorded during the period 11:28 pm – 12:28 am on 25th – 26th August. Each truck pass-by was selected out of the recorded time trace and compiled in a single file in the Evaluator software. The total duration of the three trucks while they were audible on Possum Brush Road was 40 seconds and when averaged over a 1 hour assessment period the resulting level was **46 dB(A) Leq(1 hour)** which is below the night time traffic noise criterion of 50 dB(A).

At all times and locations, noise levels from the quarry were well below the operational noise criterion, and were considerably below the night time sleep disturbance criterion of 45 dB(A),Lmax applicable to noise emissions from on-site.

We trust this report fulfils your requirements at this time, however, should you require additional information or assistance please do not hesitate to contact the undersigned.

Yours faithfully,

SPECTRUM ACOUSTICS PTY LIMITED



Neil Pennington

Acoustical Consultant

APPENDIX I

NOISE MONITORING LOCATIONS



5 St Peters Close



175 Possum Brush Road



55 Possum Brush Road

APPENDIX II

DETAILS OF OPERATING PLANT AND EQUIPMENT

25/8/22 – 26/8/22

25/08/2022 & 26/08/2022;

- Asphalt Plant
- Wetmix Plant (day only)
- Mobile Crusher (day only)
- Dump Truck x 2 (day only)
- Excavator (day only)
- Loader x 3 (3 day, 1 evening/night)
- Customer and company delivery trucks

Appendix 3

Regeneration Activities Report – June 2023

(Total No. of pages including blank pages = 16)

PBM REGENERATION REPORT COVER PAGE 2022/2023



Cover Picture: View west over the habitat corridor 05/2023.

POSSUM BRUSH QUARRY REGENERATION ACTIVITIES REPORT

JUNE 2023

Report No: 09



Plate 1: View Northwest over habitat corridor primarily wattle regrowth 05/2023.

Tasks Undertaken:

1. Inspect Habitat corridor A for evidence of weed control as per Landscape & Rehabilitation Management Plan.
2. Inspect Habitat corridor A for native flora succession /rehabilitation.
3. Inspect Habitat corridor B for evidence of weed control as per Landscape & Rehabilitation Management Plan.
4. Inspect Habitat corridor B for native flora succession/rehabilitation.
5. Inspect Buffer zones around perimeters of Habitat corridors A and B for evidence of weed control.
6. Inspect Habitat corridor fences.
7. Inspect corridor/ fire breaks/buffers for excessive fuel loads directly related to Habitat Corridors integrity.
8. Measure the growth of planted *eucalyptus rudderi*.
9. Written and photographed documentation.

10. Meeting with sites owner.

Comments: For comments on tasks undertaken see Comment Attachments (01)

Obligations for PBM as per Landscape & Rehabilitation Management Plan and this report:

Area A Habitat Corridor:

11. Continued bio security controls to minimise the threat of Myrtle Rust (*Uredo rangelii*) as well as infestations of other non-native flora.
12. Continued suppression of non-native floras within area A see identified weed list (Appendix 01).
13. Maintain external fences.
14. Maintain clear fire breaks and minimise fuel loads around perimeter.
15. Maintain the understanding that quarry operations should not adversely affect the integrity of the Habitat Corridor.

Area B Habitat Corridor:

16. Continued bio security controls to minimise the threat of Myrtle Rust (*Uredo rangelii*) as well as infestations of other non-native flora.
17. Continued suppression of non-native floras within area B see identified weed list (Appendix 01).
18. Maintain external fences.
19. Removal of flora compromising the integrity of external fence.
20. Maintain fire breaks and minimise fuel loads around perimeter.
21. Maintain the understanding that quarry operations should not adversely affect the integrity of the Habitat Corridor.

Buffer Zone Area1 West Boundary:

22. Maintain the understanding with neighbours that there operations could and should not adversely affect the integrity of the Habitat Corridors.
23. Maintain external fences.
24. Maintain fire breaks and minimise fuel loads along perimeter.

Buffer Zone Areas 2 North Boundary, 3 East Boundary:

25. Farming with best practices maintained as not to adversely affect the integrity of the Habitat corridors.
26. Maintain external fences.
27. Maintain fire breaks and minimise fuel loads along perimeter.



Plate 2: Buffer area fence lines and established pasture eastern boundary 05/2023.

Area 4 South Boundary:

28. Continual suppression of non-native floras see identified weed list (Appendix 01).
29. Maintain the understanding that operations in this area should not adversely affect the integrity of the Habitat Corridor.
30. Maintain external fences.
31. Minimise fuel loads along perimeter.
32. Continued bio security controls to minimise the threat of Myrtle Rust (*Uredo rangelii*).

Buffer Zone Area 5 Quarry North Face Boundary:

1. Continual suppression of non-native floras see identified weed list (Appendix 01).
2. Maintain external fences.
3. Maintain fire breaks and minimise fuel loads around perimeter.

4. Maintain the understanding that quarry operations should not adversely affect the integrity of the Buffer Zone.
5. Continued bio security controls to minimise the threat of Myrtle Rust (*Uredo rangelii*)

Comments: Attachment (01)

Area A/B/Buffer Zones

6. Since the 2022 report the weather conditions have been optimal for the growth of flora within all area's A/B and Buffer Zones. Medium weed densities were sighted during the May 2023 inspection due to the optimum weather conditions for flora growth native and non-native.
7. Natural recovery of native flora species is evident and flourishing.
8. These areas will need continual weed control to ensure the existing and new pioneer native vegetation is not suppressed by non-native vegetation.



Plate 3: View west of moisture main gully/creek line 05/2022.



Plate 4: Comparison picture of main gully/creek line covered in native water vines 05/2023.

Fences

9. External fences of the habitat corridor are in good order at time of site inspection (05/2023).

Fuel Loads

10. Due to the wet weather any fuel loads that are present within and surrounding the corridor from weed control will compost at an excellent rate due to the moist environment.



Plate 5: Comparison 2022/2023 of underground spring flowing through habitat corridor.



Plate 6: Cabbage tree palms and Cordylines flourishing in gully line. 05/2023

Buffer Zone 1

11. This area is somewhat out of the control of PBM as it is private property owned by other individuals.
12. External fencing and firebreaks in place.

Buffer Zone 2 North Boundary, Buffer Zone 3 East Boundary:

13. These areas will be maintained as pasture. (Pers com: PBM management).
14. With best practices maintained as not to adversely affect the integrity of the Habitat corridors.
15. External fencing and firebreaks in good order.

Buffer Zone 4 South Boundary

1. External fence in place.
2. Vegetation flourishing.
3. weeds sighted.

Buffer Zone 5 Quarry North/East Face Boundaries:

1. External fencing and firebreaks are in good order.
2. Vegetation flourishing.
3. Weeds sighted.

Bio-Controls:

- Bio-controls are in place and being adhered to. This will minimise the risks of contamination in and off site of Myrtle Rust, (*uredo rangelii*) and non-native flora seeds.

Future Weed Control:

- It has been noted that the Bush regeneration contractor has deemed that the site needs 6 monthly/yearly weed control this recommendation will continue 6 monthly/yearly weed control until the weed populations can be controlled and or a full forest canopy is reinstated.
- (see attachment: 02. Activity table: 01).

Monitoring Eucalyptus rudderii:

- The methods used to measure the trees has been adopted from a reported description dated 2014 of methods used previously by Oze ECO management Pty Ltd.
- 2023: A Toledo non-metallic 30m Fiberglass measuring Tape was used to girth measure in millimetres (mm) the trunks of the trees at a height of 1.3m.
- There are 5 Eucalyptus rudderii trees alive at time of inspection May 2023.

Tree No.	DBH 2018	DBH 2019	DBH 2020	DBH 2021	Notes 2022	Notes 2023
1	460mm	460mm		Dead	Dead	-
2	400mm	420mm		Dead	Dead	-
3				Dead	Dead	-
4	400mm	420mm	360mm	Dead trunk with Stump growth	Dead	-
5				Dead	Dead	-
6	270mm	270mm		Dead	Dead	-
7				Dead	Dead	-
8				Dead	Dead	-
9	680mm	700mm	700mm	710mm	740mm	780mm
10	710mm	770mm	780mm	810mm	870mm	900mm
11	810mm	860mm	860mm	900mm	910mm	930mm
12	640mm	670mm	670mm	710mm	730mm	770mm
13				Dead	Dead	-

14	240mm	240mm		Dead	Dead	-
15	230mm	230mm	230mm	Dead trunk with stump growth	Dead	-
16	620mm	650mm	650mm	660mm	720mm	780mm
17	340mm	380mm	380mm	Dead	Dead	-

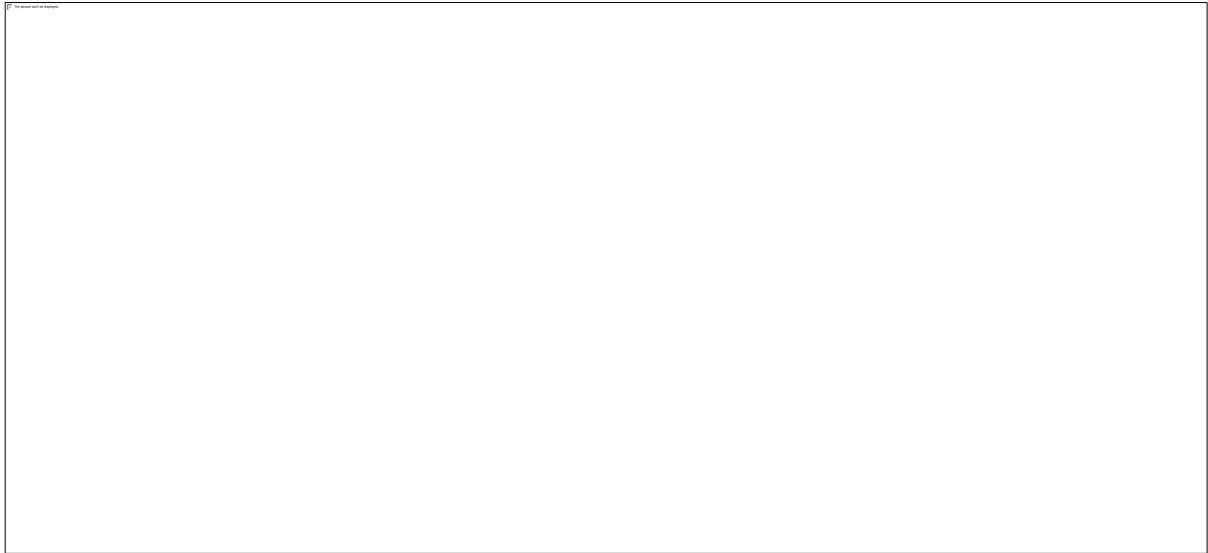


Plate 7: Northwest view of planted rudderi 05/2023.

Attachment: (02)

ACTIVITY TABLE: 01

Activity June 2023/June 2024	Status
Ongoing Weed control all sites	Undetermined hrs every 6 months/yearly until further notice.
External fences/Firebreaks	Good order
Implementation of Biosecurity	Active in accordance with NSW DPI
Pasture Maintenance Buffer Zones 3 and 4	In progress

WEED CONTROL MANAGEMENT PLAN TIMETABLE 2023/2024

Jun 2022/2023 Weed Control = In progress.

To continue:2023/2024

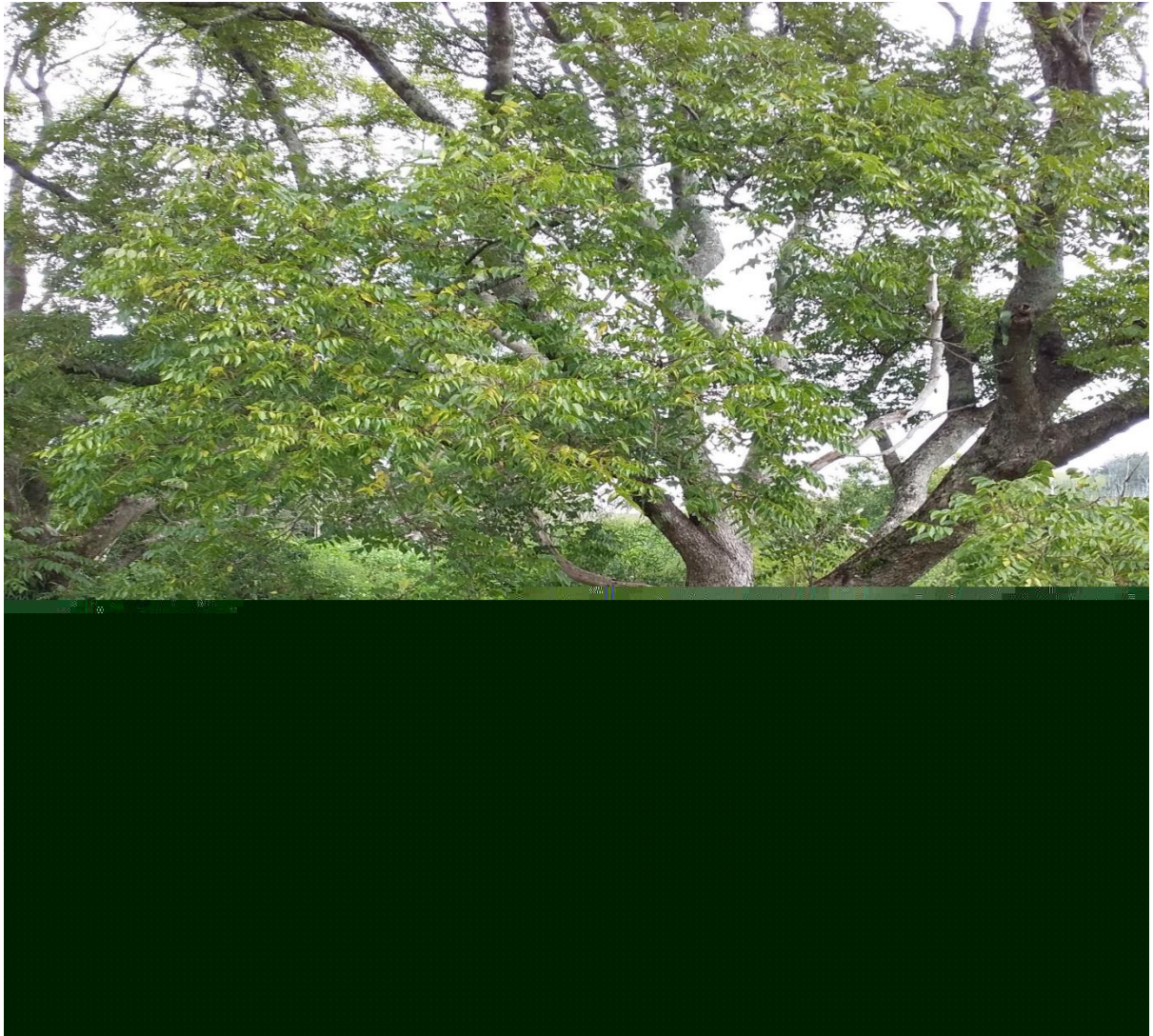


Plate 8: View around red cedar tree of native regrowth 05/2023.

Mapping: Attachment (03)



Weed control areas (Area a, Area b, Buffer 4, Buffer 5)

Buffer 1: Neighbouring farm land

Buffer 2, 3: Pasture

Attachment: (04)

Final Comments:

10. The optimum weather conditions have seen both native and non-native vegetation within all areas grow with vigour.
11. The Giant Stinging Tree seedlings sited and photographed in several locations in 2022 have flourished since last documented.
12. There are weed populations emerging that are to be controlled as weather permits.



Plate 9: View of new Giant Stinging tree seedlings 05/2023.



Plate 10: Northern fence line of corridor 05/2023.

Pictures by T.Wray 05/2023

Appendix 01

SITE WEED LIST

COMMON NAMES

Pink Lantana

Camphor Laurel

Moth Vine

Wild Tobacco

Black Berry

White Passion Flower

Broad Leafed Paspalum

Winter Senna

Crofton Weed

Mist Flower

Green Cestrum

Brazilian Night Shade

Fire Weed

Bush Lemon

Stinging Nettle

Purple Top

Noogoora Burr

Cassia

Rhodes Grass

Narrow Leaf Cotton

Whisky Grass

Kikuyu Grass

Billy goat weed

® There are possibly other weeds occurring on site.

Appendix 02

References :

Personal site inspections

On site contractor work reports

Google Earth Imagery 2015

Google Search Engine

www.dpi.nsw.gov.au/biosecurity/plant/myrtle-rust