



ABN: 45 050 224 250

Annual Review 2019-2020

for

Possum Brush Quarry



Prepared in conjunction with:



R.W. CORKERY & CO. PTY. LIMITED

October 2020

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ABN: 45 050 224 250

Annual Review 2019-2020

for

Possum Brush Quarry

Prepared by:

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Table 1
Title Block

Name of operation	Possum Brush Quarry
Name of operator	Pacific Blue Metal Pty Ltd
Development consent / project approval #	DA283/97 (Mod 4)
Name of holder of development consent / project approval	Pacific Blue Metal Pty Ltd
Mining Lease #	Not Applicable
Name of holder of mining lease	Not Applicable
Water licence #	Not Applicable
Name of holder of water licence	Not Applicable
MOP/RMP start date	Not Applicable
MOP/RMP end date	Not Applicable
Annual Review start date	1 July 2019
Annual Review end date	30 June 2020
I, Charlie Kennett, certify that this audit report is a true and accurate record of the compliance status of the Possum Brush Quarry for the period 1 July 2019 to 30 June 2020 and that I am authorised to make this statement of behalf of Pacific Blue Metal Pty Ltd. <i>Note.</i> a) <i>The Annual Review is an 'environmental audit' for the purposes of section 122B(2) of the Environmental Planning and Assessment Act 1979. Section 122E provides that a person must not include false or misleading information (or provide information for inclusion in) an audit report produced to the Minister in connection with an environmental audit if the person knows that the information is false or misleading in a material respect. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000.</i> b) <i>The Crimes Act 1900 contains other offences relating to false and misleading information: Section 192G (Intention to defraud by false or misleading statement – maximum penalty 5 years imprisonment); Section 307A, 307B and 307C (false or misleading application/information/documents – maximum penalty 2 years imprisonment or \$22,000, or both).</i>	
Name of authorised reporting officer	Mr Charlie Kennett Quarry Manager 
Title of authorised reporting officer	
Signature of authorised reporting officer	
Date:	6 October 2020

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LIST OF ACRONYMS

AHD	Australian Height Datum
CCC	Community Consultative Committee
DA	Development Application
DPIE	Department of Planning, Industry and Environment
EPL	Environment Protection Licence
IBIS	Irreplaceable Bush Regeneration Indigenous Services
IEA	Independent Environmental Audit
PBM	Pacific Blue Metal Pty Ltd

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1. STATEMENT OF COMPLIANCE

The Possum Brush Quarry (the Quarry) is operated by Pacific Blue Metal Pty Ltd (PBM) in accordance with Development Consents DA283/97, DA1127/2005 and DA769/2009 and Environment Protection Licence (EPL) 3393. PBM maintains all relevant documentation on site required to demonstrate compliance with each of the approvals and licences. **Figure 1.1** presents the location of the Quarry in relation to the Pacific Highway and the village of Nahiach.

The compliance assessment for DA 283/07, DA 1127/2005 (Asphalt Plant), DA 769/2009 (Recycling Plant) and EPL 3393 was undertaken by Nicholas Warren of R.W. Corkery and Co. Pty Limited during a site visit on 16 July 2020. The audit established full compliance with all conditional requirements.

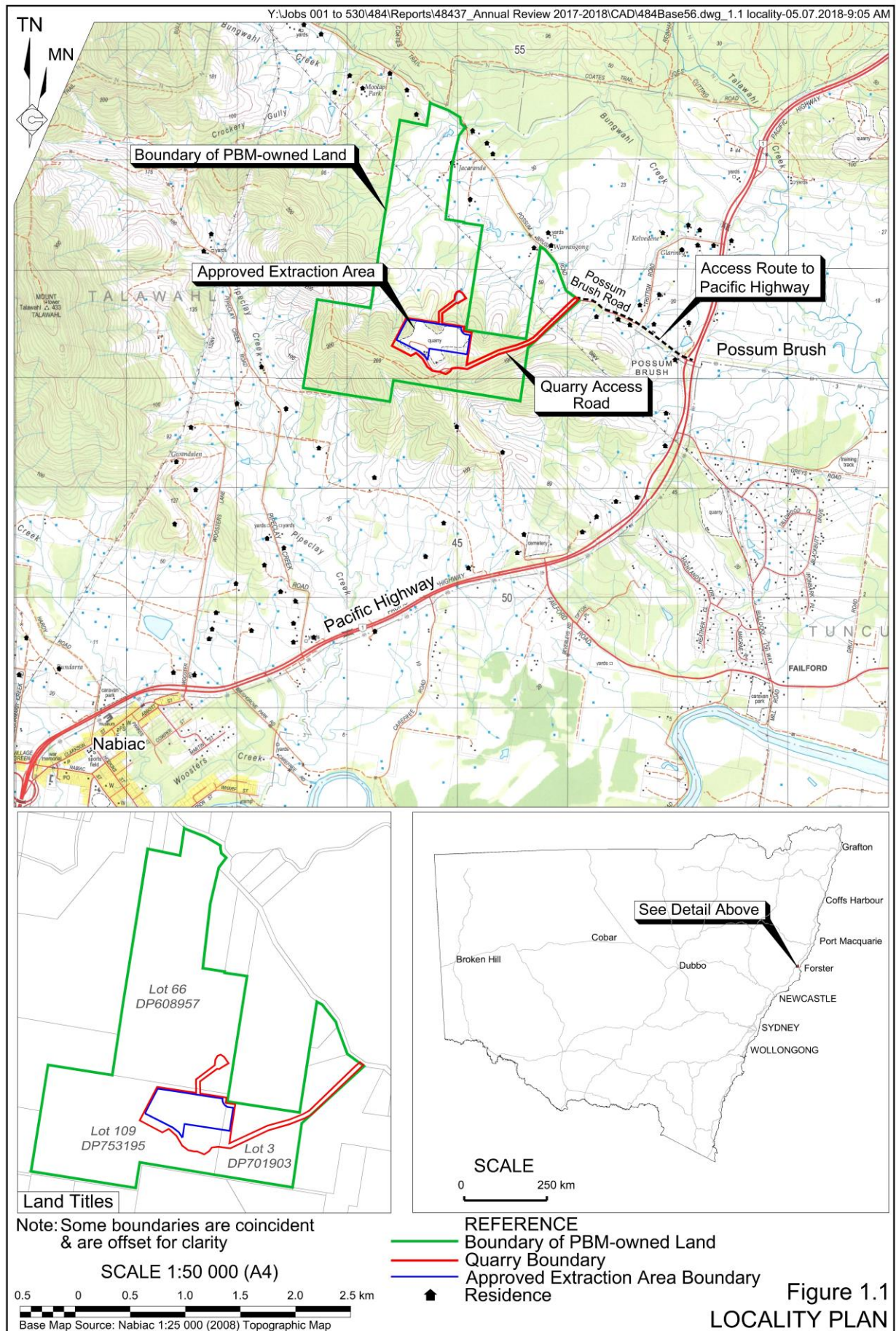
Appendix 1 presents four tables paraphrasing the conditions contained within these consent documents, together with a record of compliance and a brief comment recording the basis for assessing compliance or non-compliance.

An Independent Environmental Audit (IEA) was undertaken by James Hart of AQUAS Pty Ltd dated 24 September 2019 that assessed compliance for DA 283/07 and EPL 3393. This document covers the period from October 2016 to September 2019 and can be inspected on the PBM website. For the purpose of this annual review, the IEA is relevant to a portion of the reporting period (the period from 1 July 2019 to 25 September 2019). No non-compliance issues were identified in the IEA that occurred during the reporting period. The outcomes of the IEA are discussed in more detail in Section 10, however all issues raised in the IEA were reviewed by PBM and addressed during the reporting period.

Table 2 presents a summary of the assessment of compliance for all conditional requirements included in development consents issued for the Quarry, asphalt plant and recycling plant and EPL 3393.

Table 2
Statement of Compliance

Were all conditions of the relevant approval(s) complied with?	Yes / No
Possum Brush Quarry (DA 283/97) (Mod 4)	Yes
Possum Brush Asphalt Plant (DA 1127/2005)	Yes
Possum Brush Recycling Plant (DA 769/2009)	Yes
EPL 3393	Yes



2. INTRODUCTION

2.1 OVERVIEW OF OPERATIONS

Throughout the reporting period, the Possum Brush Quarry continued to supply a range of products, primarily for road construction, including the Pacific Highway upgrade and a variety of local road and construction projects. The bulk of the quarry products comprised road pavement materials which were generated within the state-of-the-art pugmill/wetmix plant given its superior quality control features.

Figures 2.1 and **2.2** indicate the areas in which activities were undertaken during the reporting period both outside and within the Quarry Area. **Plates 1** to **11** show various operations and/or features of the Quarry recorded on 16 July 2020. The locations of each photograph are displayed on **Figures 2.1** and **2.2**.

Throughout the reporting period, PBM continued to:

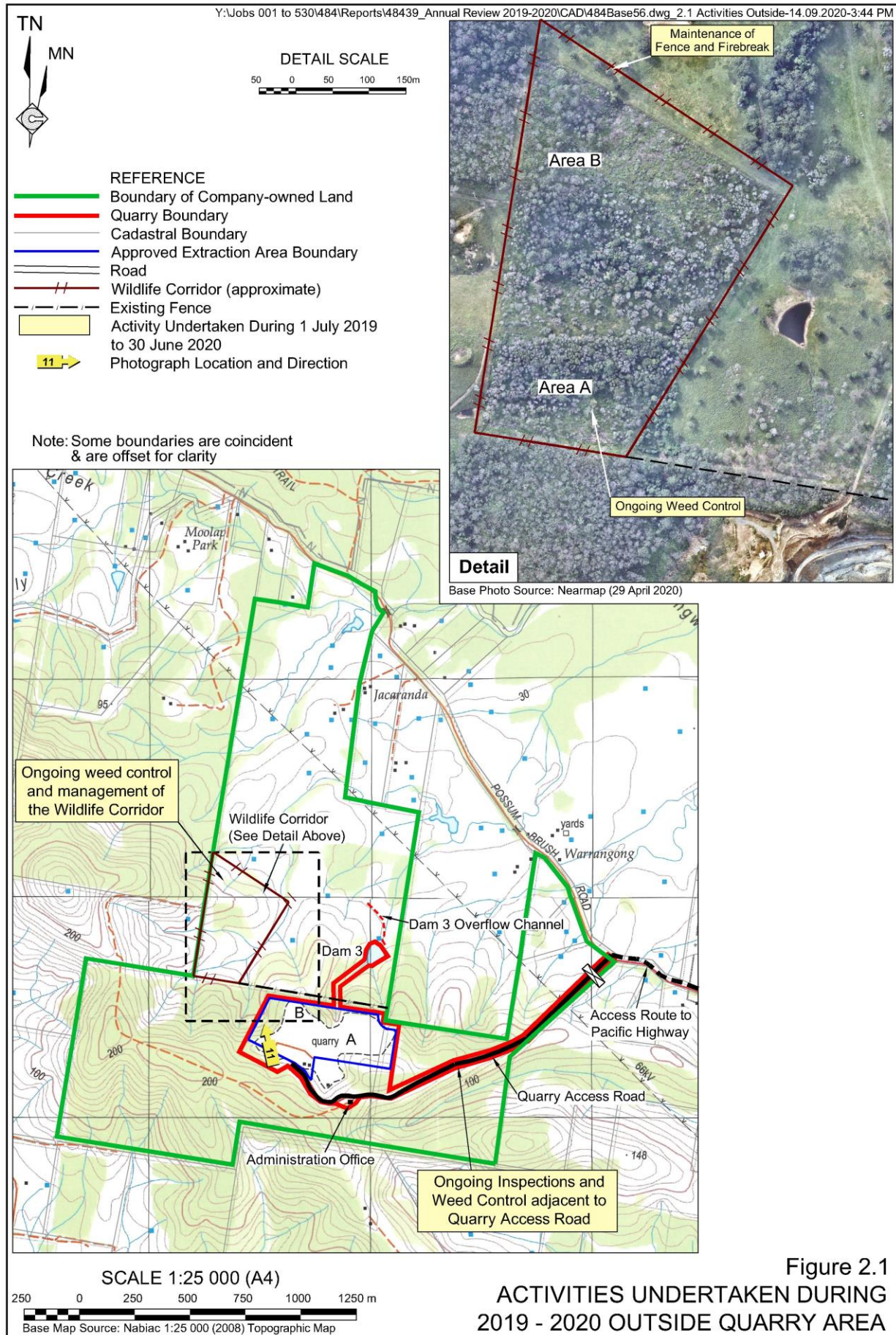
- produce asphalt at the on-site asphalt plant;
- accept materials imported for recycling/blending with quarry products; and
- refurbish and rationalise the existing processing plant to improve plant efficiencies and provide safer and more practical access around the plant.

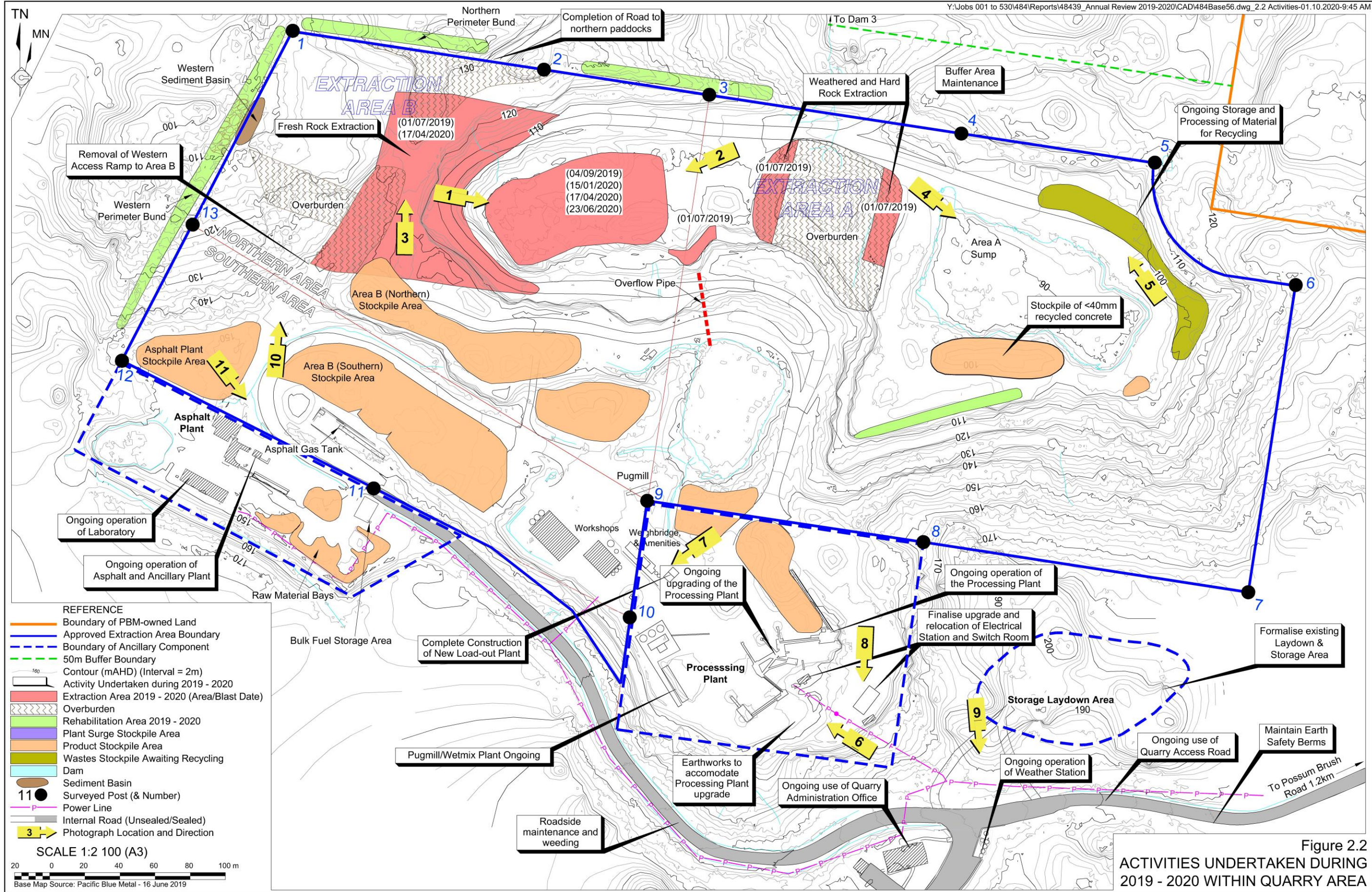
2.2 KEY PERSONNEL CONTACT DETAILS

The contact names, position and phone numbers of key personnel who are responsible for the environmental management of the Quarry are as follows.

Name	Position	24 Hour Contact
Mr Charlie Kennett	Quarry Manager	0428 684 115
Ms Stacey Tyack	QSE Manager	0428 684 547

The Environmental Complaints line for the Quarry is (02) 6554 3597.





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Plate 1: View to the east of the active extraction area
(Ref: E484R_024)

Plate 2: View to the west of the active extraction area
(Ref: E484R_001)



Plate 3: View to the north towards the farm and northwest of Extraction Area B.
Access was restricted at the time of the site visit.
(Ref: E484R_025)

Plate 4: View to the southeast of the Area A sump and rehabilitated benches in the background.
(Ref: E484R_022)





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Plate 5: View to the northwest of the storage area for material for recycling
(Ref: E484R_008)

Plate 6: View to the southwest of processing plant and related buildings
(Ref: E484R_039)



Plate 7: View to southwest of loadout and weighbridge
(Ref: E484R_046)

Plate 8: Progress of the proposed new Electrical Station and Switch Room
(Ref: E484R_035)





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2019-2020\CAD\484Base56.dwg_AR Plates 1-12-29.09.2020-10:40 AM

Plate 9: View of the meteorological station and some water tanks located to the east of the Quarry Administration Office
(Ref: E484R_059)

Plate 10: View to the north of the wildlife corridor from the asphalt plant
(Ref: E484R_057)



Plate 11: View to the southeast towards the Asphalt Plant
(Ref: E484R_052)

3. APPROVALS AND LICENCES

The following approvals and licences are currently held by PBM to operate the Possum Brush Quarry.

- Possum Brush Quarry DA 283/97 – Issued by the Department of Planning and Environment (DPE). DA 283/97 has been modified four times, with the last modification approved on 1 April 2016.
- Asphalt Plant DA 1127/2005 – Issued by Greater Taree City Council.
- Recycling Plant DA769/2009 – Issued by Greater Taree City Council.
- Environment Protection Licence (EPL) 3393 – Issued by EPA.

No modifications or variations to the above approvals were required or received during the reporting period.

The EPA undertook a statutory review of EPL 3393 in October 2019. As a result of this review, EPL 3393 was updated and reissued. The changes were largely administrative in nature, except for the addition of an Oil and Grease Concentration Limit of ‘10mg/L and/or non-visible’ when undertaking water quality monitoring at EPL Monitoring Point Number 2 (Dam 3). The EPA issued the updated EPL on 8 April 2020. This type of review is standard procedure for the EPA to ensure that conditions remain consistent with the authority’s expectations. PBM accepted all recommended conditional updates.

4. OPERATIONS SUMMARY

4.1 MINING OPERATIONS

Figure 2.2 displays the four areas within the approved Extraction Areas A and B where overburden and fresh rock were extracted during the reporting period.

All extraction throughout the reporting period was undertaken by either ripping with excavators and bulldozers or drill and blast followed by load and haul. **Plates 1** and **2** show the main extraction area of Area B.

Broken and fragmented rock suitable for processing was transported to the processing plant by off-road haul trucks. All oversize rock was sold as armour rock. No secondary breakage took place during the reporting period.

Table 3 presents the production summary for the extraction operations.

Table 3
Production Summary: 2019 – 2020

Material	Approved limit (specify source)	Previous reporting period (actual)	This reporting period (actual)	Next reporting period (forecast)
Waste Rock / Overburden	Not Applicable	0	0	0
ROM Coal Ore	Not Applicable	0	0	0
Coarse reject	Not Applicable	0	0	0
Fine reject (Tailings)	Not Applicable	0	0	0
Saleable Product*	500 000 tonnes / yr	148 800 tonnes	219 219 tonnes	200 000 tonnes
* Saleable product includes all quarry, asphalt and recycling products extracted/processed and sold.				

Modification 4 to DA 283/97 included a condition that limits the total extraction from the site to 16.2 million tonnes (Condition 8 of Schedule 2). Since Modification 4 was approved (1 April 2016), a total of 861 073 tonnes of saleable products have been extracted / processed and sold. This includes:

- 56 234 tonnes from 1 April to 30 June 2016;
- 272 460 tonnes in 2016-2017;
- 164 360 tonnes in 2017-2018;
- 148 800 tonnes in 2018-2019; and
- 219 219 tonnes in 2019-2020.

All extraction activities occurred between 6:30am to 6:00pm on weekdays and 7:00am to 3:00pm on Saturdays, public holidays excluded, i.e. in accordance with *Condition 2(11)* DA 283/97 (Mod 4) and *Condition L6.2 (a-g)* EPL 3393.

The bulk of the fragmented rock was processed on site through the processing plant (see **Plate 6**) with the bulk of the products being produced within the state-of-the-art pugmill/wetmix plant.



4.2 OTHER OPERATIONS

Asphalt Production

Whilst the asphalt plant is approved to operate during the standard hours of operation for the Quarry, as permitted under *Condition 10* DA 1127/2005 and *Condition L6.2* (h-i) EPL 3393, PBM may operate the asphalt plant for 24 hours per day, from 6:30am Monday to 10:00pm Friday, for up to 60 days per year. This is so that PBM may supply asphalt to community infrastructure projects requiring night-time deliveries. **Plate 11** presents a view of the asphalt plant towards the south east.

During the reporting period, the asphalt plant operated within the nominated hours including 18 night time operations.

All product despatch activities were undertaken within either the nominated standard hours as detailed in *Condition 2(11)* DA 283/97 (Mod 4) and *Condition L6.2* (a-g) EPL 3393 or those outside of standard hours, as nominated in *Condition 10* DA 1127/2005 and *Condition L6.2* (h-i) EPL 3393.

Recycled Products

During the reporting period, PBM continued to receive concrete and other waste materials suitable for reprocessing and blending with other quarry products. **Figure 2.2** displays the location of the recycled material receival bays within Extraction Area A. The wastes received comprised:

- asphalt and asphalt profilings;
- clean concrete;
- concrete with minimal contamination; and
- unsorted concrete, brick and tile.

Plate 5 displays the waste concrete and brick stockpiled on site awaiting processing.

Condition L3.1 EPL 3393, requires that PBM must not receive more than 10 000 tonnes of waste materials per year i.e. for the year ending on the anniversary date of 17 August. During the reporting period, a total of 5 626.14 tonnes of waste materials were received by PBM for processing, the bulk of which was clean concrete. All activities associated with the receipt of waste materials and the transport of recycled product were undertaken within the nominated hours outlined in *Condition 2(a)* of DA 769/2009 and *Condition L6.3* EPL 3393 and *Condition 2(11)* DA 283/97 (Mod 4).

PBM operates the recycling facility in accordance with DA 769/2009 under a Quality Assurance program ensuring all operational conditions are met. This includes accepting only licenced uncontaminated wastes, documenting all loads, rejecting unlicensed or contaminated wastes and notifying MidCoast Council (Council) of such loads. During the reporting period, implementation of the Quality Assurance program ensured all operational conditions of DA 769/2009 were fully adhered to. No loads were rejected due to contamination during the reporting period.

Off-site Road Maintenance

Monthly payments were made to Council throughout the reporting period for the maintenance of Possum Brush Road in accordance with *Condition 2(20)* of DA 283/97 (Mod 4). A total of \$24,114.16 was paid to Council for the products despatched during the reporting period.

In accordance with *Condition 2(19)* DA 283/97 (Mod 4), extractive material is to be supplied to Council free of charge for the maintenance of Possum Brush Road between the quarry entrance and the Pacific Highway. During the reporting period, Council did not request any material for road repairs along Possum Brush Road. Further discussion regarding the maintenance of Possum Brush Road is provided in Section 11.

On-site Road Maintenance

No maintenance of the road pavement surface within the Quarry Site or along the access road was required given it has been surfaced with asphalt. PBM continued to undertake vegetation maintenance and weed control adjacent to the on-site roads.

Meteorological Monitoring

During the reporting period, the on-site a meteorological station near the Quarry Administration Office operated to record the parameters nominated in *Condition M4.2* of EPL 3393, namely:

- rainfall;
- wind speed and direction @ 10m;
- temperature @ 2m and 10m; and
- sigma theta @ 10m.

5. ACTIONS REQUIRED FROM PREVIOUS ANNUAL REVIEW

Table 4 records actions arising from the 2018-2019 Annual Review.

Table 4
Actions from the Previous Annual Review

Action Required from Previous Annual Review	Requested by	Action Taken by the Operator	Where Discussed in Annual Review
Additional detail to be added to Section 6.6 Waste, to report on the effectiveness of waste management and minimisation, as per Schedule 3, Condition 31 of the Consent.	DPIE	Request issued 02/12/19. Waste data collected for the reporting period.	Section 6.6

6. ENVIRONMENTAL PERFORMANCE

6.1 INTRODUCTION

Within the Quarry Site itself, the standard of environmental management has remained high with an excellent standard of housekeeping. Such standards, and the compliant monitoring results, indicate that the adopted environmental controls set out in the various Management Plans are effective.

Sections 6.2 to 6.5 provide a summary of the environmental outcomes associated with the operation of the Quarry.

A summary of monitoring data collected to demonstrate PBM's environmental performance with respect to the Quarry is posted on PBM's website.

6.2 NOISE

Table 5 presents the results from the noise monitoring undertaken throughout 2019-2020. Noise monitoring covering the day, evening and night periods was undertaken on 24 September 2019 at the three locations (see **Figure 6.1**).

- Site R1: 5 St Peters Close;
- Site R2: 175 Possum Brush Road; and
- Site R3: 55 Possum Brush Road.

At all sites, birds, insects and distant traffic (on the Pacific Highway) were the main contributors to the noise levels recorded. The monitoring results demonstrated that noise emissions from the quarry did not exceed the relevant noise criteria at any monitoring location at any time during the survey. Night time monitoring also revealed that the measured noise, did not exceed the sleep disturbance criterion during the monitoring period.

In order to understand the status of noise monitoring over time, the noise monitoring data results over the previous 4 years together with the monitoring undertaken in 2019-2020 are presented in **Table 5**. Monitoring results for the reporting period remained consistent with historic results; that is, the Quarry remains largely inaudible at surrounding residences.

6.3 BLASTING

A total of five (5) blasts were initiated during the reporting period. All blasts were monitored at Site R1 (5 St Peters Close) and Site R2 (175 Possum Brush Road) (see **Figure 6.1**) and were all within the airblast overpressure and ground vibration criteria nominated within *Condition 3(4)* of DA 283/97 (Mod 4) and *Condition L5* of EPL 3393. As recorded in **Table 6**, Airblast levels recorded at Site R1 ranged from 94.4dB(L) to 102.8dB(L) with recorded ground vibration levels varying from 1.91mm/s to 4.82mm/s. Airblast levels recorded at Site R2 ranged from Nil Trigger to 111.1dB(L) with recorded ground vibration levels varying from Nil Trigger to 0.51mm/s. Blast monitoring results for the reporting period remained consistent with historic results.

No complaints were received regarding blasting throughout the reporting period.



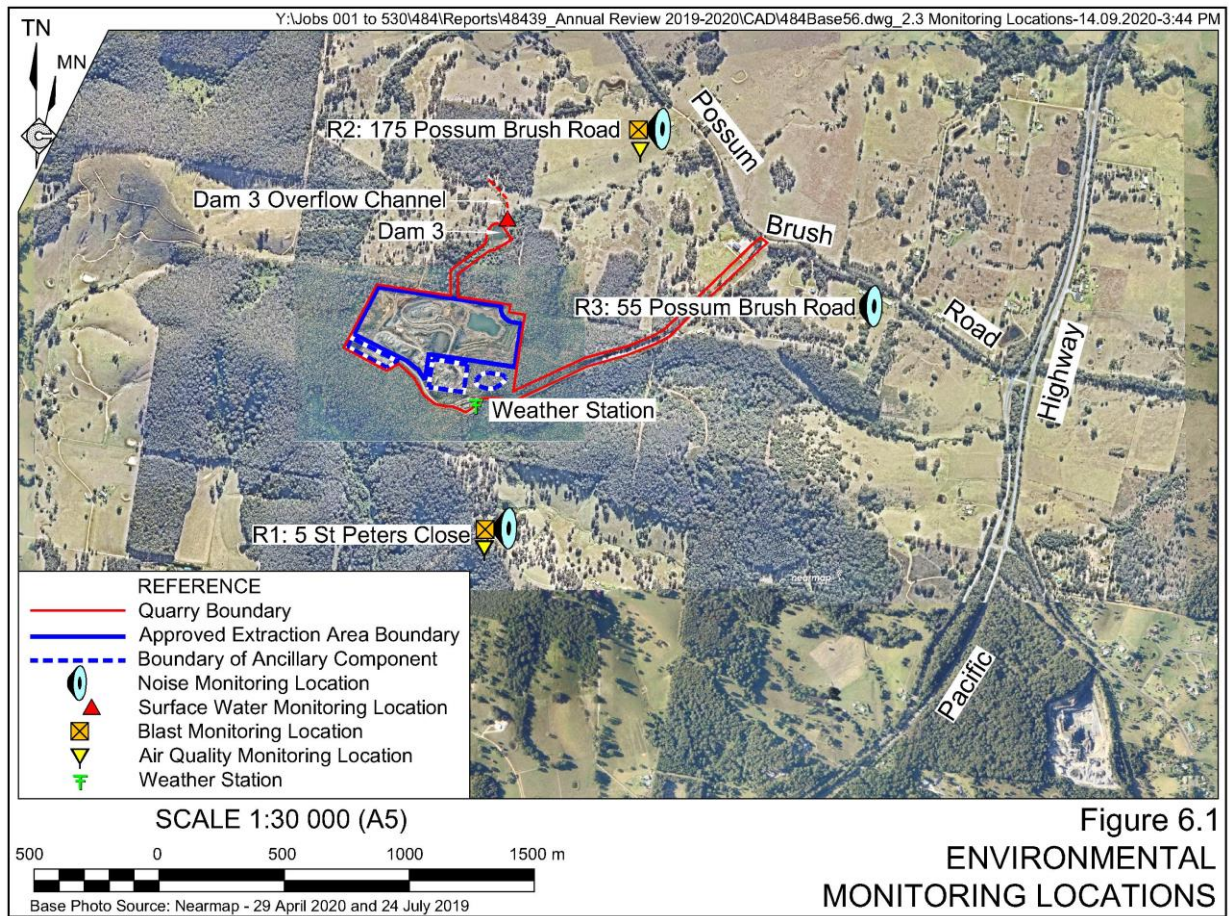


Table 5
Compilation of Noise Monitoring Data and PBM Contributions: 2014 – 2020

Page 1 of 2

Site / Year	Day		Evening		Night	
	dB(A) LA _{eq} (15 min)	PBM Contribution	dB(A) LA _{eq} (15 min)	PBM Contribution	dB(A) LA _{eq} (15 min)	PBM Contribution
Site R1: 5 St Peters Close (Criteria¹: 39dB(A))						
2014-2015	44	22 ²	-	-	44	Barely audible ²
2015-2016	44	Inaudible	44	26	43	Barely audible ²
2016-2017	41	31 ²	45	Inaudible	49	28 ²
18/07/17	49	<20	45	inaudible		inaudible
25/09/17	36	<23	40	27	39	29
29/03/18	43	28	44	inaudible	40	inaudible
29/06/18	43	29	38	inaudible	45	inaudible
15/08/18	34	32 ²	43	38	47	38
10/12/18	40	<20	40	28	48	<20
03/04/19	38	28	40	<25	42	inaudible
24/09/19	47	<20	39	<20	40	<20

Table 5 (Cont'd)
Compilation of Noise Monitoring Data and PBM Contributions: 2014 – 2020

Page 2 of 2

Site / Year	Day		Evening		Night	
	dB(A) LA _{eq} (15 min)	PBM Contribution	dB(A) LA _{eq} (15 min)	PBM Contribution	dB(A) LA _{eq} (15 min)	PBM Contribution
Site R2: 175 Possum Brush Road (Criteria¹: 38dB(A))						
2014-2015	45	26 ²	-	-	49	Inaudible
2015-2016	40	25	38	Inaudible	46	Inaudible
2016-2017	44	21 ²	41	<20	39	23
18/07/17	37	<20	51	<20	41	<20
25/09/17	38	<20	32	28	32	28
29/03/18	43	25 ²	41	inaudible	43	<25
29/06/18	53	<25 ²	44	inaudible	53	<25
15/08/18	40	<20	n/a ³	n/a ³	33	33
10/12/18	56	<20	46	<20	38	<20
03/04/19	41	<25	36	inaudible	38	<25
24/09/19	44	<20	53	30 ²	39	<20
Site R3: 55 Possum Brush Road (Criteria¹: 37dB(A))						
2014-2015	51	31 ³	-	-	46	Inaudible
2015-2016	49	Inaudible	46	Inaudible	46	Inaudible
2016-2017	52	Inaudible ³	57	Inaudible	51	Inaudible ³
18/07/17	56	inaudible	54	inaudible	57	inaudible
25/09/17	54	inaudible	47	inaudible	43	<20
29/03/18	42	<20	46	inaudible	46	25
29/06/18	52	<20	46	31	63	<25
15/08/18	30	<20	n/a ³	n/a ³	43	<20
10/12/18	38	<20	56	<20	58	<20
03/04/19	47	36	48	inaudible	44	<25
24/09/19	43	<20	46	<20	52	<20
1 Criteria for PBM contribution per Condition 3(1) of DA 283/97 (Mod 4) and Condition L4.1 of EPL 3393 2 Noise from quarry trucks on Quarry Access Road 3 Only noise from quarry trucks on public road was audible						

Table 6
Ground Vibration and Airblast Overpressure Recorded: 2014– 2020

Measurement	Ground Vibration (mm/s)		Airblast Overpressure (dB(L))	
Site	Site R1	Site R2	Site R1	Site R2
Year				
2014-2015	0.56 – 4.03	0.2 – 0.47	91.9 – 107.0	84.2 – 111.4
2015-2016	1.00 – 2.66	Did not trigger – 0.67	98.8 – 105.5	Did not trigger – 111.3
2016-2017	0.14 – 2.61	Did not trigger – 0.50	96.3 – 101.8	Did not trigger – 107.0
2017-2018	0.88 – 4.29	Did not trigger – 0.45	98.3 – 105.1	Did not trigger – 108.3
2018-2019	0.59 – 1.34	Did not trigger – 0.27	100.3 – 105.0	Did not trigger – 113.4
01/07/19	1.91	Nil trigger	97.9	Nil trigger
04/09/19	2.79	Nil trigger	94.4	Nil trigger
15/01/20	2.76	0.56	101.7	105.3
17/04/20	3.00	Nil trigger	102.8	Nil trigger
23/06/20	4.82	0.51	102.3	111.1
Site R1: 5 St Peters Close Site R2: 175 Possum Brush Road				



6.4 AIR QUALITY

No complaints relating to air quality were received during the reporting period. Subsequently, no air quality monitoring was undertaken by PBM.

6.5 TRANSPORT

PBM records both the number of heavy vehicles transporting quarry products from the Quarry and the number of laden trucks entering the Quarry with either raw materials for the asphalt plant or waste materials for recycling. Information is recorded on an hourly and daily basis in order to demonstrate compliance with *Conditions 2(9) and 2(10)* of DA 283/97 (Mod 4).

Condition 2(9) of DA 283/97 (Mod 4) stipulates that a maximum of 500 000 tonnes of quarry products may be transported from the Quarry in any calendar year. In the 2019-2020 year, 219 219 tonnes of quarry products (including asphalt and recycled products) were transported from the Quarry. The additives to asphalt products (lime, bitumen, sand, flyash etc) amounted to 7 566.63 tonnes of the total 219 219 tonnes of material transported from the Quarry.

Condition 2(10) of DA 283/97 stipulates that PBM must ensure that no more than 36 truck movements occur per hour and no more than 420 truck movements occur per day. A truck movement is defined as a heavy vehicle one-way trip (i.e. either entering or leaving the Quarry), including trucks associated with the asphalt and recycling activities. During the reporting period, the maximum daily number of truck movements was 294, recorded on 19 June 2020. There were 12 occurrences throughout the reporting period when the maximum number of truck movements (36) were recorded. These were as follows.

- 07/05/2020: between 7:00am – 8:00am
- 12/05/2020: between 2:00pm – 3:00pm
- 16/06/2020: between 8:00am – 9:00am
- 17/06/2020: between 8:00am – 9:00am, 11:00am – 12:00pm, 1:00pm – 2:00pm and 3:00pm – 4:00pm
- 18/06/2020: between 11:00am – 12:00pm and 1:00pm – 2:00pm
- 19/06/2020: between 8:00am – 9:00am, 10:00am – 11:00am, 11:00am – 12:00pm, 12:00pm – 1:00pm and 1:00pm – 2:00pm

At no time did the hourly traffic movements exceed 36 movements, demonstrating the effectiveness of transport management procedures.

A summary of the maximum number of hourly and daily truck movements for each calendar month throughout the reporting period is presented in **Appendix 2**. The comprehensive records of all truck movements are held in the Quarry Administration Office.

6.6 WASTE

PBM's approach to waste management and minimisation is based upon three main principles, namely to:

1. minimise the quantity of waste generated;

2. maximise the quantity of waste recycled; and
3. effectively manage and correctly remove all waste from the Quarry.

The wastes generated within the Quarry include:

- domestic type wastes and workshop wastes that are stored in approved containers and transported regularly to either a recycling facility or approved waste disposal facility;
- tyres for recycling are stored on site and regularly transported to a licenced recycling facility;
- stormwater potentially contaminated with petroleum products which drains to a proprietary oil/water separator system in the workshop from which clarified water is allowed to drain to the sedimentation pond system. Oil-contaminated fluids are collected by a licensed recycling contractor for disposal; and
- scrap metal that is collected by licensed recycling contractor for disposal.

Quantities of measurable waste and recycling are provided in **Table 7**.

Table 7
Summary of Waste and Recycled Materials Recorded for 2019 – 2020

Waste Stream	Average Quantity	Frequency	Total Quantity 2019-2020	Comments
Tyres	80 tyres	1 – 2 times per year	4880kg (122 tyres)	All tyres are recycled through Tyrecycle Newcastle.
Motor Oils	1 500 litres	1 – 2 times per year	500 litres	All waste oils are recycled through Southern Oil.
Batteries	500 kilograms	1 – 2 times per year	0 kilograms	All used batteries for 2019 – 2020 are in storage awaiting transport to the recycler. All batteries are recycled through River City Recycling Taree.
Scrap Metal	5 tonnes	3-6 times per year	73.74 tonnes	This amount includes approximately 40 tonnes of plant and equipment damaged in the November 2019 bushfires. All scrap metal is recycled through South Wang Wauk Recycling.
Recycling Office /Crib Room	2 x 0.24m ³ *	Fortnightly	24m ³	Collected by JR Richards on behalf of Council.
General Waste Office / Crib Room	3 x 0.12m ³ *	Weekly	18m ³	Collected by JR Richards on behalf of Council.
General Waste – Quarry	1 x 1.5m ³ *	Weekly	75m ³	Collected by JR Richards on behalf of Council.

*These are maximum values.

The quantities of waste materials are closely aligned with operational requirements such as production demand, maintenance schedules and general wear on equipment. During the reporting period, the waste management and minimisation procedures were successful and consistent with previous years.

7. WATER MANAGEMENT

The PBM water monitoring point is located at the overflow of Dam 3 (see **Figure 2.1**). When an overflow event occurs, monitoring is required at this point in accordance with *Condition M2* of EPL 3393. *Condition L2.5* of EPL 3393 stipulates that the concentration limits for pollutants in water sampled at the overflow are:

- pH between 6.5-8.5
- TSS <50 mg/L
- Oil and Grease 10mg/L and/or non-visible

The EPA introduced a concentration limit of '10mg/L and/or non-visible' for Oil and Grease during a statutory review of EPL 3393 in October 2019. This new limit came into effect in April 2020 although no overflow events have occurred since that time.

Water quality monitoring was undertaken on two (2) occasions as a result of overflow events during the reporting period on 10 February 2020 and 27 March 2020.

Table 8 presents the water quality data for overflows from Dam 3 since 2012.

Table 8
Water Quality Data (Dam 3) 2012 – 2020

Dates tested	pH	Total Suspended Solids (mg/L)	Oil and Grease
Criteria	6.5 – 8.5	<50 mg/L	10mg/L and/or non-visible
2012 – 2013 (February 2013, March 2013 and June 2013)	7.0 – 7.3	9 – 39	Not Visible
2013 – 2014	No overflow events		
2014 – 2015 (21/01/15, 28/01/15, 23/03/15, 03/05/15 and 23/05/15)	6.7 – 7.4	8 – 37	Not Visible
2015 – 2016 (05/01/16 and 06/06/16)	7.6	7 and 32	Not Visible
2016 – 2017 (03/08/16 and 15/03/17)	7.0 and 7.1	7 and 19	Not Visible
2017 – 2018 (22/03/18)	7.3	6	Not Visible
2018 – 2019	No overflow events		
10 February 2020	7.4	23	<5
27 March 2020	7.5	23	<5

As shown in **Table 8**, the results of overflow sampling were within the limits specified in *Condition L2.5* of EPL 3393.

PBM is not required to hold a water access licence or works approval under the provisions of the *Water Management Act 2000*.

8. REHABILITATION

8.1 REHABILITATION PERFORMANCE DURING THE REPORTING PERIOD

Rehabilitation activities currently involve the maintenance of 18ha of land currently under rehabilitation. Given the current progress of extraction activities of quarry development, no new sites have completed and may be rehabilitated.

Rehabilitation activities are undertaken within a range of areas within the Quarry through Irreplaceable Bush Regeneration Indigenous Services (IBIS). **Table 9** provides a summary of the disturbance and rehabilitation areas, indicating no change to areas are expected in the next reporting period.

Table 9
Summary of Areas Disturbed and Rehabilitation

Quarry Area Type	Previous Reporting Period (Actual)	This Reporting Period (Actual)	Next Reporting Period (Forecast)
Total quarry footprint	45ha	45ha	45ha
Total active disturbance*	27ha	27ha	27ha
Land being prepared for rehabilitation	0	0ha	0ha
Land under active rehabilitation	18ha	18ha	18ha
Completed rehabilitation	1ha	1ha	1ha

* Includes access road, Dam 3, approved extraction area, processing area and all quarry-related infrastructure.

Rehabilitation and Conservation Bond

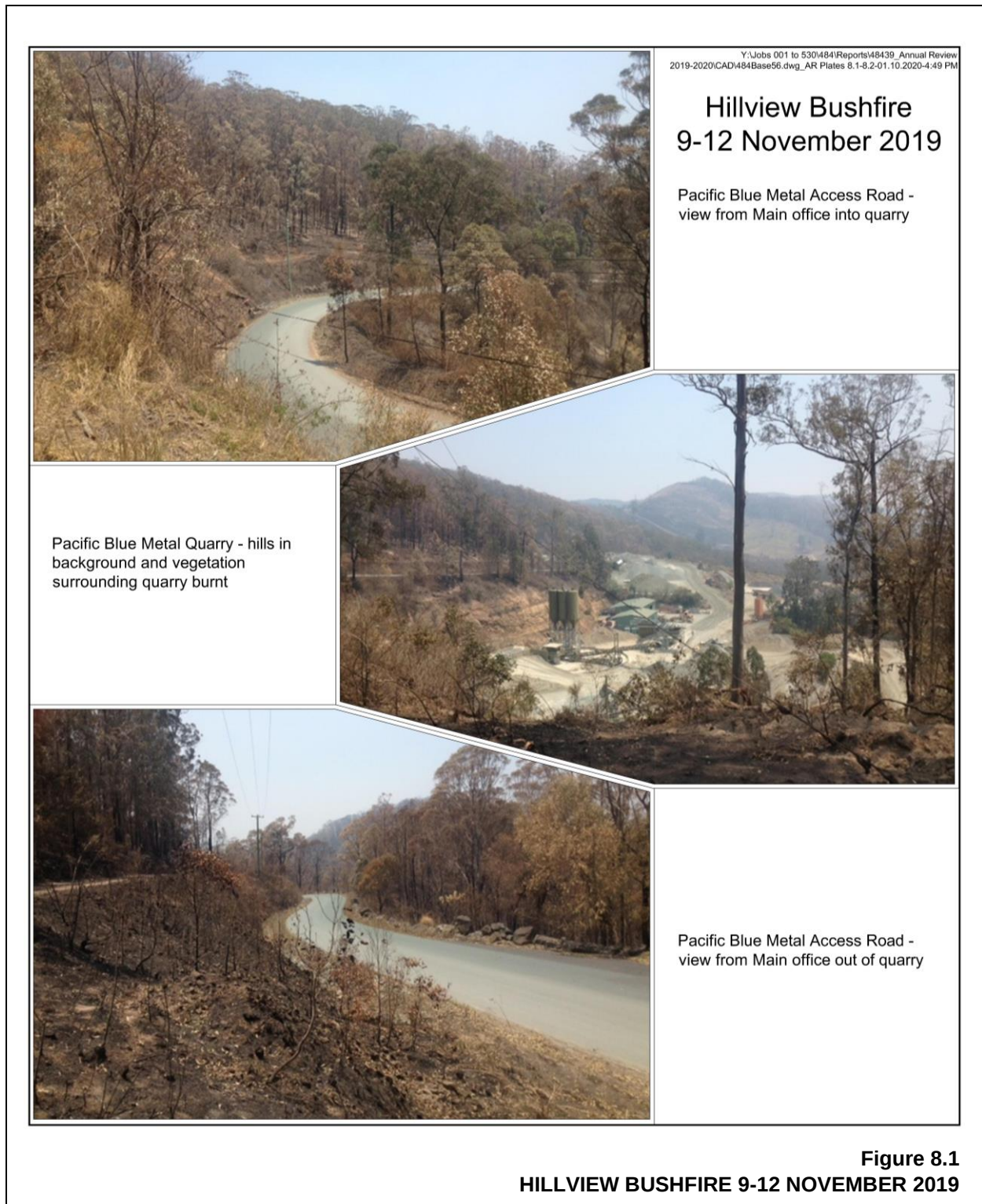
PBM lodged the Rehabilitation and Conservation Bond for the Quarry on 18 May 2019 through execution of the Company's Bankers' undertaking for the Bond in accordance with *Condition 3(23)* of DA 283/97 (Mod 4). It is proposed that the quantum of the Bond is reviewed following the next Independent Environmental Audit due to be submitted within 6 weeks after 30 September 2022.

Rehabilitation Areas

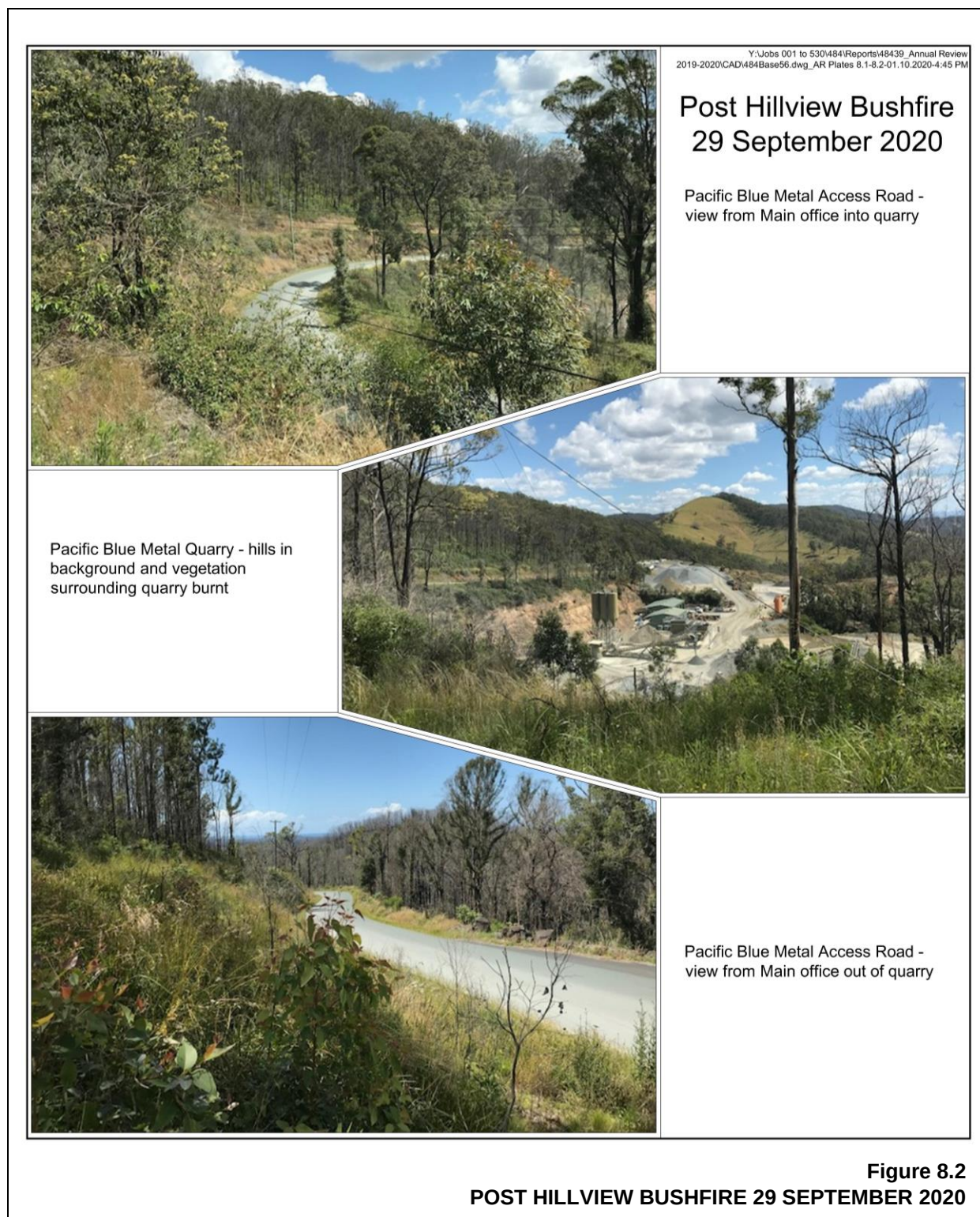
Shortly after the release of the 2018-2019 Vegetation Report, the bushfires of November 2019 burnt all vegetated areas of the quarry and surrounding land including:

- Quarry access road
- Final benches in Area A and Area B
- 50m buffer zone
- Wildlife corridor

Figure 8.1 and **Figure 8.2** present views from within the Quarry immediately after the bushfires and in September 2020 and demonstrate the recovery of vegetation over the past 10 months.



PBM has sought guidance from IBIS who recommended that PBM wait for substantial rainfall prior to commencing monitoring and assessment of survival, growth and loss of native vegetation and if necessary, develop a weed control program. Whilst substantial rainfall events did occur in February and March 2020, COVID-19 restrictions have restricted site visits.



Rehabilitation Actions for the Next Reporting Period

Rehabilitation actions in 2020-2021 will be guided by IBIS recommendations stemming from the post bushfire recovery assessment. These recommendations and actions will be presented in the Annual Review for the next reporting period.

9. COMMUNITY

9.1 COMMUNITY RELATIONS

No complaints were received during the 2019-2020 reporting period for Quarry-related incidents.

PBM encourages local residents to contact the Quarry Manager directly in the event of a complaint to assist PBM to be more responsive to specific complaints and the local community.

Community Consultative Committee

The last meeting of the CCC was held in November 2017. PBM emailed Council in both November 2018 and December 2019 to request a meeting of the CCC. An affirmative response was not received.

Council has acted in the role of convenor of the CCC since its inception in 1998.

As DPIE had not appointed a Chairperson from the Department's Pool of Independent Chairpersons (as required by the CCC Guidelines), it has been assumed that this arrangement would continue.

However, recent correspondence from DPIE have made PBM aware that Council has been informed that it is no longer the convener of the CCC and that it is the Department's role to appoint a Chairperson.

PBM are awaiting appointment of a Chairperson from the Pool of Independent Chairpersons for the Quarry, which will enable PBM to advertise for registrations of interest in joining the CCC and recommencing meetings.

10. INCIDENTS AND NON-COMPLIANCES DURING THE REPORTING PERIOD

10.1 INCIDENTS

No incidents reportable to the DPIE or EPA occurred within the Quarry throughout the 2019-2020 reporting period.

10.2 COMPLIANCE

An internal compliance assessment for DA 283/07, DA 1127/2005 (Asphalt Plant), DA 769/2009 (Recycling Plant) and EPL 3393 is presented as **Appendix 1** and notes full compliance with all conditional requirements.

10.3 INDEPENDENT ENVIRONMENTAL AUDIT

An Independent Environmental Audit (IEA) was undertaken by James Hart of AQUAS Pty Ltd dated 24 September 2019 that assessed compliance for DA 283/07 and EPL 3393 for the period from September 2016 to September 2019. **Table 10** presents the audit outcomes in terms of the issues and recommendations presented in the IEA and the response from PBM. As noted in **Table 10**, PBM addressed each of the non-compliances during the reporting period.

The next audit will be undertaken by October 2022.

Table 10
Independent Environmental Audit Status Update

Page 1 of 2

Nbr	IEA Recommendation	PBM Response	Proposed Close out date	Actual Close out date
N-01	Update the site induction to include all required information on noise mitigation measures. Ensure all noise reports include all information required by the Noise Management Plan.	Employee and Contractor inductions amended to include <u>all</u> noise mitigation measure as specified in the NMP. Noise monitoring consultants provided with written instructions of the additional requirements to be included in all future noise reports. This will be checked for compliance by PBM staff.	30/09/19 30/09/19	27/09/19 05/09/19
N-02	Provide a blast notification board on the quarry website.	A Blast Noticeboard on the PBM website does not represent an effective communication tool between PBM and its neighbours. PBM has a long established relationship with our neighbours via more effective and direct methods including phone, face to face and email. PBM neighbours currently receive up to date information on blasts via these methods. It is proposed to remove the Blast Notification Board from the BMP during the next review (due December 2019).	30/12/19	19/12/19 Amended BMP submitted to DPIE
N-03	Update the Landscape and Rehabilitation Management Plan to clearly describe how rehabilitation of the final void will be conducted. Undertake inspections in accordance with the requirements of the Landscape and Rehabilitation Management Plan.	The L&RMP will be updated to describe the final void at the end of the current DA period. This will be undertaken in the next review of the plan (due December 2019). Inspections of rehabilitation areas after substantial rainfall are undertaken, however a record of inspections has not been kept. All such inspections will now be recorded on the Daily Toolbox Sheet.	30/12/19 08/10/19	19/12/19 Amended L&RMP submitted to DPIE. 26/09/19

Table 10 (Cont'd)
Independent Environmental Audit Status Update

Page 2 of 2

Nbr	IEA Recommendation	PBM Response	Proposed Close out date	Actual Close out date
N-04	Upload the complaints register to the Quarry website.	A Complaints register has been available on the PBM website since its inception. During the last upload of information our Website Consultant inadvertently uploaded the Environmental Monitoring Data twice (once under Environmental Monitoring Data and a second time under Complaints). On discovery of this it was immediately rectified and the current complaints register uploaded. Please note that the missing PBM complaints register did not contain any new complaints or information, as PBM has not received a complaint since May 2017.	08/10/19	28/09/19
N-05	Audit reports should be provided to the Secretary within 6 weeks of commissioning of the audit.	Noted – PBM is now aware of this requirement. The 2016 IEA was PBM's first IEA. PBM had incorrectly assumed that the auditor would submit the report to DPE. PBM has since submitted the report.	08/10/19	26/09/19
N-06	Quarry should implement a system to ensure that waste quantities are tracked and loads are not accepted which will result in exceedance of the maximum allowable quantity of waste on site.	Actioned November 2018. Waste quantities sufficiently tracked – the exceedance issue was due processing constraints. New processing procedures in place.	n/a Actioned 11/18	n/a Actioned 11/18
N-07	Ensure noise monitoring equipment is located in accordance with the requirements of the EPL.	Noise monitoring consultants provided with written instructions to ensure that noise monitors at <u>each</u> location are within 30 metres of the dwelling façade. Photographic evidence of such is to be supplied with each report. This will be checked for compliance by PBM staff.	30/09/19	05/09/19

11. ACTIVITIES TO BE UNDERTAKEN IN THE NEXT REPORTING PERIOD

The principal activities planned during 2020-2021 are listed below. The locations of these activities are shown on **Figures 11.1** and **11.2**.

Extraction Activities

PBM expects the demand for road pavement products will continue during 2020-2021, particularly given the high quality of products produced within the pugmill/wetmix plant. Fresh rock reserves will be removed from extraction faces in Areas A and B with sufficient weathered rock extracted for blending with the fresh rock to produce the required products.

Extraction will be focused in Area B with the removal of both overburden and fresh rock as extraction progresses westward. Some small areas are to be extracted within Area A to improve access and storage areas.

Processing Activities

PBM will continue to use the refurbished processing plant and pugmill/wetmix plant to produce its products. Further refurbishment will be undertaken during the 2020-2021 reporting period.

The progressive upgrade of the electrical substation and switch room will also continue to be undertaken throughout the 2020-2021 reporting period.

Asphalt Production

PBM intends to continue to operate the asphalt plant, at a higher output level to that produced during 2019-2020 reporting period, to supply asphalt products to a range of projects throughout the region.

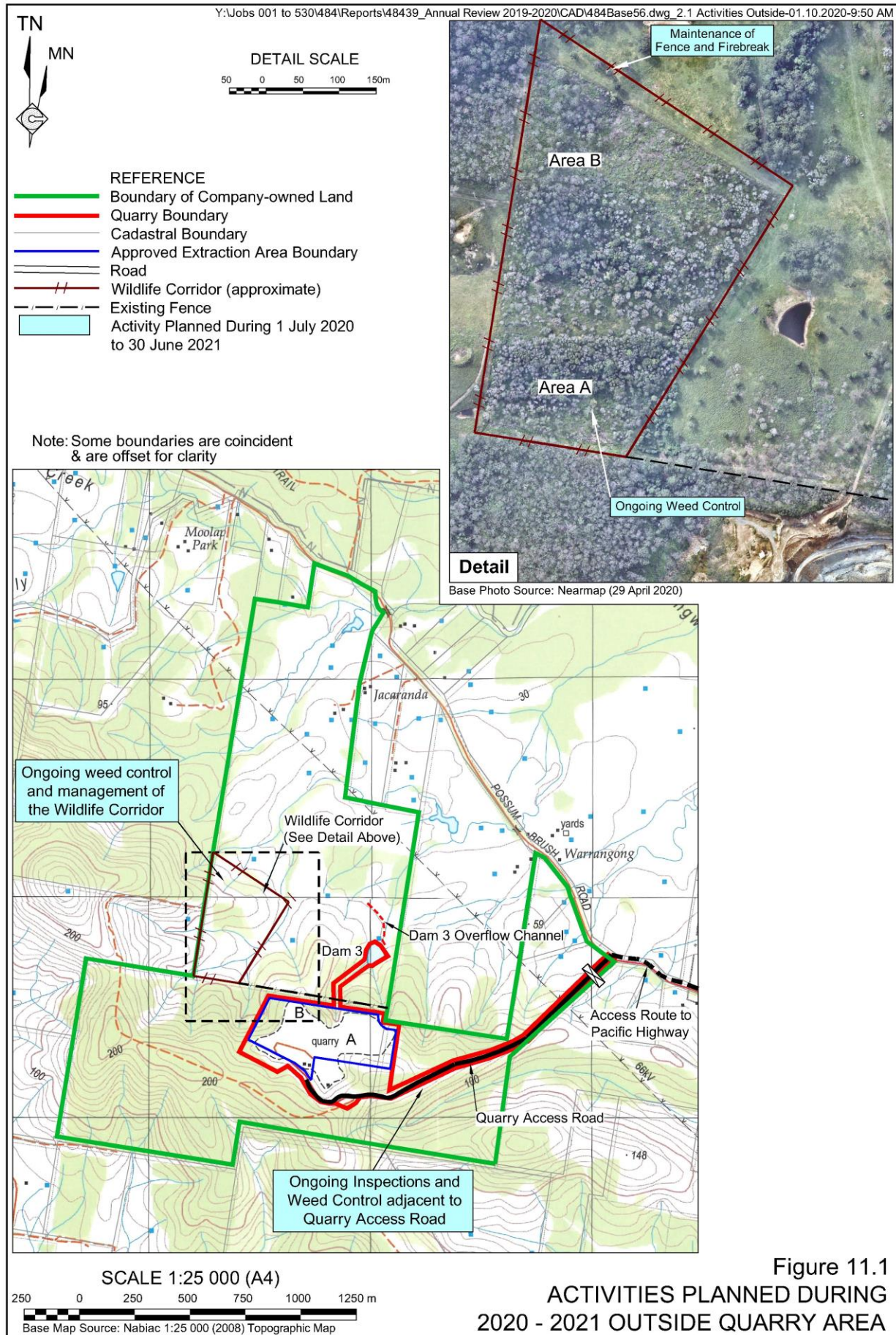
Product Despatch and Road Maintenance

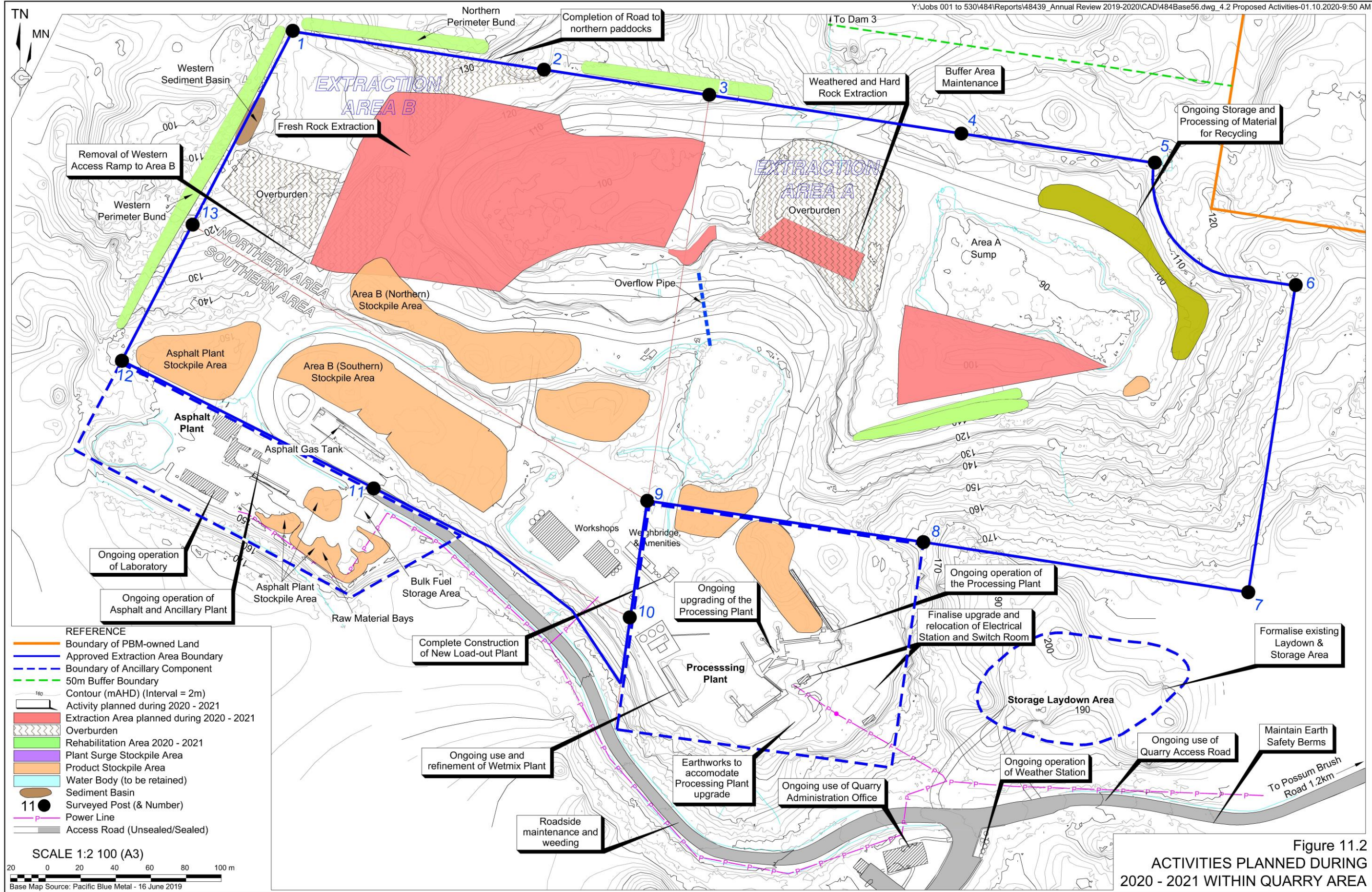
No substantial changes are planned to occur in the transportation of products from the Quarry during 2020-2021.

PBM will continue to draw Council's attention to areas requiring maintenance along Possum Brush Road.

Rehabilitation

In the 2019 Regeneration Report, IBIS stated the current regeneration within the wildlife corridor is progressing towards the goal of closed forest canopy that will minimise non-native flora resurgence. As such, IBIS recommended undertaking regeneration activities on a 12 monthly basis.





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Environmental Monitoring

The monitoring activities currently undertaken within and surrounding the Quarry will remain in place throughout 2020-2021. The monitoring proposed during 2020-2021 will include:

- blast monitoring (each blast);
- weather-related monitoring including rainfall levels (continuous);
- water quality (if Dam 3 overflows); and
- noise monitoring on an annual basis.

PBM proposes to continue to review all monitoring results as they are received to ensure the measured parameters are within the relevant limits or criteria. All monitoring results collected during 2020-2021 will be assembled in conjunction with all previous relevant results to provide the basis for an ongoing review of the environmental performance of the Quarry.

Maintenance of Possum Brush Road

PBM will continue to draw Council's attention to the need to undertake maintenance of Possum Brush Road to re-instate the hitherto high quality of the road pavement. Since May 2008, Council has received \$288,428.65 for maintenance of the 1.13km section of Possum Brush Road of which there is little evidence of any work having been undertaken.

PBM is concerned that, given the negligible maintenance undertaken on the section of road for over the past 10 years, its condition will progressively deteriorate. Since December 2018, PBM has been corresponding with Council and requesting road maintenance works.

In order to progress the road maintenance, PBM provided Council with a Quotation to undertake the required works. However, Council declined the offer, stating that Possum Brush Road is not a priority road within Council's road network. This response disregards the condition that the monthly contribution fee paid by PBM to Council be solely for the maintenance of Possum Brush Road (i.e. the local road used by Quarry operators).

Return of Bank Guarantee from Council

As outlined in Section 8 of this report, PBM finalised the Rehabilitation and Conservation Bond for the Quarry on 18 May 2019. PBM has since formally approached Council seeking Council's written acceptance that PBM's bank can cancel the Bank Guarantee in place under the former Council-controlled Development Consent (DA 431/1986) for the Quarry. PBM will continue to liaise with Council until this matter is resolved.

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Appendices

(Total No. of pages = 52)

Appendix 1 Compliance Tables for Development Consents for the Asphalt and Recycling Plants (48 pages)

- Table A1.1 Compliance with Development Consent DA 283/97 for Operation of Possum Brush Quarry
– Period 1 July 2019 to 30 June 2020
- Table A1.2 Compliance for Development and Operation of Asphalt Plant DA 1127/2005
– Period 1 July 2019 to 30 June 2020
- Table A1.3 Compliance for Development and Operation of Recycling Plant DA 769/2009
– Period 1 July 2019 to 30 June 2020
- Table A1.4 Compliance for Environment Protection Licence 3393
– Period 1 July 2019 to 30 June 2020

Appendix 2 Summary of Quarry Products Transportation Records (2 pages)



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Appendix 1

Compliance Tables for Development Consents for the Asphalt and Recycling Plants

(Total No. of pages including blank pages = 48)

- Table A1.1 Compliance with Development Consent DA 283/97 for Operation of Possum Brush Quarry (Issued by Minister for Planning on 1 April 2016)
– Period 1 July 2019 to 30 June 2020
- Table A1.2 Compliance for Development and Operation of Asphalt Plant DA 1127/2005 (Issued by Greater Taree City Council on 25 July 2005)
– Period 1 July 2019 to 30 June 2020
- Table A1.3 Compliance for Development and Operation of Recycling Plant DA 769/2009 (Issued by Greater Taree City Council on 18 July 2014)
– Period 1 July 2019 to 30 June 2020
- Table A1.4 Compliance for Environment Protection Licence 3393 (Issued by Environment Protection Authority)
– Period 1 July 2019 to 30 June 2020

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Table A1.1
Compliance with Development Consent DA 283/97 (Issued 1 April 2016)
for Operation of Possum Brush Quarry
Period 1 July 2019 to 30 June 2020

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[illegible]

Table A1.1
Compliance with Development Consent DA 283/97 (Issued 1 April 2016)
for Operation of Possum Brush Quarry
Period 1 July 2019 to 30 June 2020

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Condition No.	Conditional Requirement	Compliance	Basis for Assessment
SCHEDULE 2 – ADMINISTRATIVE CONDITIONS (Cont'd)			
STRUCTURAL ADEQUACY			
12	The Applicant shall ensure that all new buildings and structures, and any alterations or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the BCA. (Note: This requirement does not apply to processing plant and related components).	NA	No new buildings or structures were constructed or altered during the period 1 July 2019 to 30 June 2020. Source: Quarry Manager
DEMOLITION			
13	The Applicant shall ensure that all demolition work is carried out in accordance with <i>Australian Standard AS 2601-2001: The Demolition of Structures</i> , or its latest version.	NYA	No demolition work was carried out during the period 1 July 2019 to 30 June 2020. Source: Quarry Manager
PROTECTION OF PUBLIC INFRASTRUCTURE			
14	The Applicant shall: a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the development; and b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development. <i>Note: This condition does not apply to damage to roads caused as a result of general road usage.</i>	NA	No public infrastructure was damaged during the period 1 July 2019 to 30 June 2020. Source: Quarry Manager
OPERATION OF PLANT AND EQUIPMENT			
15	The Applicant shall ensure that all the plant and equipment used at the site is maintained and operated in a proper and efficient manner.	Yes	All equipment maintained in accordance with a programmed maintenance schedule.
IDENTIFICATION OF APPROVED LIMITS OF EXTRACTION			
16	Prior to 30 September 2016, unless otherwise agreed by the Secretary, the Applicant shall: a) engage a registered surveyor to mark out the boundaries of the approved limits of extraction within the development area (see Appendix 1); and b) submit a survey plan of these boundaries with applicable GPS coordinates to the Secretary.	Yes* Yes*	A copy of the survey plan was submitted to DPE on 12 September 2016.
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.	Yes	Boundary marked permanently by bollards. The boundary markers are checked during workplace inspections.
Yes* = Compliance established initially – no longer requires compliance assessment			
Yes = Compliance established fully during the 2020 audit for the period 1 July 2019 to 30 June 2020			
NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined			

Table A1.1
Compliance with Development Consent DA 283/97 (Issued 1 April 2016)
for Operation of Possum Brush Quarry
Period 1 July 2019 to 30 June 2020

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Condition No.	Conditional Requirement	Compliance	Basis for Assessment																							
SCHEDULE 2 – ADMINISTRATIVE CONDITIONS (Cont'd)																										
PRODUCTION DATA																										
18	The Applicant shall: a) provide annual quarry production data to DRE using the standard form for that purpose; and b) include a copy of this data in the Annual Review (see condition 9 of Schedule 5).	Yes	The 2018-2019 Return for Extractive Materials is provided in Appendix 2 . The 2019-2020 is due to be submitted by 31 October 2020.																							
CONTRIBUTIONS TO COUNCIL																										
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.	NYA	No materials were requested to be provided for road maintenance.																							
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 the 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 increases indexed annually to changes in the Consumer Price Index (Road & Bridge Construction) (NSW Index) from 25 May 2018 and thereafter.	Yes	PBM provides a record of monthly quarry products despatched with a cheque based on 10 cents per tonne. Sighted records of payments sent to Council held at the Quarry Administration Office. During the reporting period, a contribution of \$24,114.16 was paid to Council.																							
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS																										
NOISE																										
Noise Impact Assessment Criteria																										
1	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. <i>Table 2: Noise criteria dB(A)</i> <table border="1"> <thead> <tr> <th rowspan="2">Receiver</th><th>Day/Evening</th><th colspan="2">Night</th></tr> <tr> <th>L_{avg}(15 min)</th><th>L_{avg}(15 min)</th><th>L_{A1}(max)</th></tr> </thead> <tbody> <tr> <td>R1 – 5 St Peters Close</td><td>39</td><td>39</td><td>45</td></tr> <tr> <td>R2 – 175 Possum Brush Road</td><td>38</td><td>38</td><td>45</td></tr> <tr> <td>R3 – 55 Possum Brush Road</td><td>37</td><td>37</td><td>45</td></tr> <tr> <td>All other residences</td><td>35</td><td>35</td><td>45</td></tr> </tbody> </table> <i>Note: Receiver locations are shown in Appendix 2.</i> Noise generated by the development is to be measured in accordance with the relevant requirements of the NSW Industrial Noise Policy (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. 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.	Receiver	Day/Evening	Night		L _{avg} (15 min)	L _{avg} (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	Yes	Noise monitoring undertaken on 24 September 2020. The results confirmed that the day/evening and night-time limits nominated in Table 2 were satisfied.
Receiver	Day/Evening		Night																							
	L _{avg} (15 min)	L _{avg} (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																							
Yes* = Compliance established initially – no longer requires compliance assessment																										
Yes = Compliance established fully during the 2020 audit for the period 1 July 2019 to 30 June 2020																										
NA = Not Applicable		NYA = Not Yet Applicable	ND = Not Determined																							

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Table A1.1
Compliance with Development Consent DA 283/97 (Issued 1 April 2016)
for Operation of Possum Brush Quarry
Period 1 July 2019 to 30 June 2020

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Condition No.	Conditional Requirement	Compliance	Basis for Assessment
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS (Cont'd)			
BLASTING (Cont'd)			
Operating Conditions (Cont'd)			
6 (Cont'd)	b) operate a suitable system to enable the local community to get up-to-date information on the proposed blasting schedule on site; and	Yes	PBM notifies seven surrounding landowners / occupiers about impending blasts in the manner preferred by each landowner / occupier. Source: Quarry Manager
	c) carry out regular monitoring to determine whether the development is complying with the relevant conditions of this consent, to the satisfaction of the Secretary.	Yes	All blasts are monitored with records held at the Quarry Administration Office. Section 6.3 provides a summary of the blast monitoring results, all of which comply with the relevant conditions.
7	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. 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. In the event of a dispute between the Applicant and the owner of an existing dwelling house arising from the requirements of this condition, the Applicant shall refer the matter for the consideration and decision of the Secretary.	NYA	No owner has yet approached PBM requesting an inspection of their residence. Source: Quarry Manager.
Blast Management Plan			
8	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: 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;	NYA	The approved Blast Management Plan was implemented during the reporting period. The plan is available from the PBM website.
Yes* = Compliance established initially – no longer requires compliance assessment			
Yes = Compliance established fully during the 2020 audit for the period 1 July 2019 to 30 June 2020			
NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined			

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**Compliance with Development Consent DA 283/97 (Issued 1 April 2016)
for Operation of Possum Brush Quarry
Period 1 July 2019 to 30 June 2020**

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Condition No.	Conditional Requirement	Compliance	Basis for Assessment
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS (Cont'd)			
AIR QUALITY (Cont'd)			
Air Quality Management Plan (Cont'd)			
12 (Cont'd)	c) describe the proposed air quality management system; and d) include an air quality monitoring program that: • is capable of evaluating the performance of the development; • includes a protocol for determining any exceedances of the relevant conditions of consent; • effectively supports the air quality management system; and • evaluates and reports on the adequacy of the air quality management system. The Applicant shall implement the management plan as approved from time to time by the Secretary.		
Meteorological Monitoring			
13	For the life of the development, the Applicant shall ensure that there is a suitable meteorological station operating in the vicinity of the site that complies with the requirements in the <i>Approved Methods for Sampling of Air Pollutants in New South Wales</i> guideline.	Yes	The meteorological station was operating during the reporting period.
Greenhouse Gas Emissions			
14	The Applicant shall implement all reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site.	Yes	PBM endeavours to minimise both diesel and electrical power which in turn minimises greenhouse gas emissions. Source: Quarry Manager
SOIL AND WATER			
Water Supply			
15	The Applicant shall ensure it has sufficient water for all stages of the development, and if necessary, adjust the scale of quarrying operations to match the available water supply. <i>Note: Under the Water Act 1912 and/or the Water Management Act 2000, the Applicant is required to obtain the necessary water licences for the development.</i>	Yes	The volume of water accumulating in Dams 1, 3 and 4 and the Area A sump is more than sufficient to meet the on-site water requirements. No water licences are required. Source: Quarry Manager
Water Discharges			
16	The Applicant shall comply with the discharge limits in any EPL, or with section 120 of the POEO Act.	Yes	The results summarised in Section 7 demonstrate compliance with this requirement.
Yes* = Compliance established initially – no longer requires compliance assessment Yes = Compliance established fully during the 2020 audit for the period 1 July 2019 to 30 June 2020 NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined			

Table A1.1
Compliance with Development Consent DA 283/97 (Issued 1 April 2016)
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Condition No.	Conditional Requirement	Compliance	Basis for Assessment
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS (Cont'd)			
SOIL AND WATER (Cont'd)			
Water Discharges (Cont'd)			
17	In the event that groundwater in excess of negligible quantities is intersected during quarrying operations, the Applicant shall undertake a hydrogeological investigation, in consultation with DPI Water, to the satisfaction of the Secretary. The investigation must report on groundwater sources, levels, yield and quality; identify any risks to groundwater users or groundwater dependent ecosystems and propose recommended management measures. The Applicant must implement reasonable and feasible management measures to the satisfaction of the Secretary.	NYA	Groundwater has not yet been intersected within the approved extraction areas.
Water Management Plan			
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: 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: - 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: - detailed baseline data on surface water flows and quality in water bodies that could potentially be affected by the development; - a detailed description of the surface water management system on site, including the: - clean water diversion system; - erosion and sediment controls; - stormwater runoff controls; - dirty water management system; and - water storages; and	NYA	The approved Water Management Plan was implemented during the reporting period. The plan is available from the PBM website.
Yes* = Compliance established initially – no longer requires compliance assessment			
Yes = Compliance established fully during the 2020 audit for the period 1 July 2019 to 30 June 2020			
NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined			

Table A1.1
Compliance with Development Consent DA 283/97 (Issued 1 April 2016)
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Condition No.	Conditional Requirement	Compliance	Basis for Assessment														
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS (Cont'd)																	
SOIL AND WATER (Cont'd)																	
Water Management Plan (Cont'd)																	
18 (Cont'd)	- a program to monitor and report on: - 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 AND REHABILITATION																	
Rehabilitation Objectives																	
19	The Applicant shall rehabilitate the site to the satisfaction of the Secretary. This rehabilitation must be in accordance with the objectives in Table 5. <i>Table 5: Rehabilitation objectives</i> <table><tr><th>Feature</th><th>Objective</th></tr><tr><td>Site (as a whole)</td><td> - Safe, stable and non-polluting. - Final landform integrated with surrounding natural landforms as far as is reasonable and feasible, and designed to minimise the visual impacts of the development when viewed from surrounding land. - Restored with native, endemic vegetation </td></tr><tr><td>Vegetated land</td><td> - Conserved and enhanced with native, endemic vegetation. - Containing self-sustaining ecosystems. </td></tr><tr><td>Surface Infrastructure</td><td> - Decommissioned and removed, unless the Secretary agrees otherwise. </td></tr><tr><td>Quarry Benches & Pit Floor</td><td> - Landscaped and vegetated using native trees and understorey species. </td></tr><tr><td>Final Void</td><td> - Minimise the height and slope of batters. - Minimise the drainage catchment. </td></tr><tr><td>Community</td><td> - Ensure public safety. - Minimise the adverse socio-economic effect of quarry closure. </td></tr></table>	Feature	Objective	Site (as a whole)	- Safe, stable and non-polluting. - Final landform integrated with surrounding natural landforms as far as is reasonable and feasible, and designed to minimise the visual impacts of the development when viewed from surrounding land. - Restored with native, endemic vegetation	Vegetated land	- Conserved and enhanced with native, endemic vegetation. - Containing self-sustaining ecosystems.	Surface Infrastructure	Decommissioned and removed, unless the Secretary agrees otherwise.	Quarry Benches & Pit Floor	Landscaped and vegetated using native trees and understorey species.	Final Void	- Minimise the height and slope of batters. - Minimise the drainage catchment.	Community	- Ensure public safety. - Minimise the adverse socio-economic effect of quarry closure.	Noted	Progressive rehabilitation has been undertaken as terminal benches are completed although no terminal benches were completed in 2019-2020 (see Figure 2.2).
Feature	Objective																
Site (as a whole)	- Safe, stable and non-polluting. - Final landform integrated with surrounding natural landforms as far as is reasonable and feasible, and designed to minimise the visual impacts of the development when viewed from surrounding land. - Restored with native, endemic vegetation																
Vegetated land	- Conserved and enhanced with native, endemic vegetation. - Containing self-sustaining ecosystems.																
Surface Infrastructure	Decommissioned and removed, unless the Secretary agrees otherwise.																
Quarry Benches & Pit Floor	Landscaped and vegetated using native trees and understorey species.																
Final Void	- Minimise the height and slope of batters. - Minimise the drainage catchment.																
Community	- Ensure public safety. - Minimise the adverse socio-economic effect of quarry closure.																
Rehabilitation Objectives																	
20	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. <i>Note: It is accepted that parts of the site that are progressively rehabilitated may be subject to disturbance in the future.</i>	Noted	Progressive rehabilitation has been undertaken as terminal benches are completed although no terminal benches were completed in 2019-2020 (see Figure 2.2).														
Yes* = Compliance established initially – no longer requires compliance assessment																	
Yes = Compliance established fully during the 2020 audit for the period 1 July 2019 to 30 June 2020																	
NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined																	

Table A1.1
Compliance with Development Consent DA 283/97 (Issued 1 April 2016)
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Condition No.	Conditional Requirement	Compliance	Basis for Assessment
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS (Cont'd)			
LANDSCAPE AND REHABILITATION (Cont'd)			
Landscape and Rehabilitation Management Plan			
21	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: a) be prepared in consultation with OEH and Council; 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) provide details of the conceptual final landform and associated land uses for the site; 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; e) include a program to progressively improve the structure and floristic composition of the established wildlife corridor which includes: • 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 f) include a program to monitor Rudder's Box within the Applicant's property; g) include a detailed description of the measures that would be implemented to: • 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;	NYA	The approved Landscape and Rehabilitation Management Plan was implemented during the reporting period. The plan is available from the PBM website.
Yes* = Compliance established initially – no longer requires compliance assessment Yes = Compliance established fully during the 2020 audit for the period 1 July 2019 to 30 June 2020 NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined			

Table A1.1
Compliance with Development Consent DA 283/97 (Issued 1 April 2016)
for Operation of Possum Brush Quarry
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Condition No.	Conditional Requirement	Compliance	Basis for Assessment
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS (Cont'd)			
LANDSCAPE AND REHABILITATION (Cont'd)			
Landscape and Rehabilitation Management Plan (Cont'd)			
21 (Cont'd)	- control erosion; - control access; and - bushfire management; and h) include a program to monitor and report on the effectiveness of these measures, and progress against the performance and completion criteria; 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 j) include details of who would be responsible for monitoring, reviewing, and implementing the plan. The Applicant shall implement the management plan as approved from time to time by the Secretary.		
Rehabilitation and Conservation Bond			
22	Within 6 months of the approval of the Landscape and Rehabilitation Management Plan, the Applicant shall lodge a Rehabilitation and 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 and Rehabilitation Management Plan. The sum of the bond shall be determined by: a) calculating the cost of rehabilitating the site taking into account the likely surface disturbance over the next 3 years of quarrying operations; and b) employing a suitably qualified quantity surveyor or other expert to verify the calculated costs, to the satisfaction of the Secretary. <i>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.</i>	NYA	The Rehabilitation and Conservation Bond was lodged on 30 May 2019.
23	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: 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.	NYA	The bond review will be triggered following the 2022 Independent Environmental Audit.
Yes* = Compliance established initially – no longer requires compliance assessment Yes = Compliance established fully during the 2020 audit for the period 1 July 2019 to 30 June 2020 NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined			

Table A1.1
Compliance with Development Consent DA 283/97 (Issued 1 April 2016)
for Operation of Possum Brush Quarry
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Condition No.	Conditional Requirement	Compliance	Basis for Assessment
SCHEDULE 3 – ENVIRONMENTAL PERFORMANCE CONDITIONS (Cont'd)			
ABORIGINAL CULTURAL HERITAGE			
24	If any item or object of Aboriginal heritage significance is identified on site, the Applicant shall ensure that: 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 contacted immediately. Work in the vicinity of the Aboriginal item or object may only recommence in accordance with the provisions of Part 6 of the <i>National Parks and Wildlife Act 1974</i>.	NYA	No items or objects have been identified during the period 1 July 2019 to 30 June 2020. Source: Quarry Manager
TRANSPORT			
Transport Routes			
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.	Yes	All trucks approaching or departing the Quarry are directed (through the Driver's Induction) not to travel on the excluded roads. Source: Quarry Manager
Pacific Highway Intersection			
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.	Yes	The required signage was installed on the Pacific Highway approaching Possum Brush Road on 16 February 2018.
Operating Conditions			
27	The Applicant shall ensure that: 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.	Yes Yes Yes Yes	Signage is visible on all company-owned trucks. This is a requirement rigidly enforced by PBM. Source: Quarry Manager. This is a requirement rigidly enforced by PBM. Source: Quarry Manager. Written and verbal requests were made to Council during the reporting period for identified maintenance requirements on Possum Brush Road. No maintenance has yet occurred Source: Quarry Manager
Yes* = Compliance established initially – no longer requires compliance assessment Yes = Compliance established fully during the 2020 audit for the period 1 July 2019 to 30 June 2020			
NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined			

Table A1.1
Compliance with Development Consent DA 283/97 (Issued 1 April 2016)
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Table A1.1
Compliance with Development Consent DA 283/97 (Issued 1 April 2016)
for Operation of Possum Brush Quarry
Period 1 July 2019 to 30 June 2020

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Table A1.1
Compliance with Development Consent DA 283/97 (Issued 1 April 2016)
for Operation of Possum Brush Quarry
Period 1 July 2019 to 30 June 2020

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Condition No.	Conditional Requirement	Compliance	Basis for Assessment
SCHEDULE 5 – ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING (Cont'd)			
ENVIRONMENTAL MANAGEMENT (Cont'd)			
Management Plan Requirements (Cont'd)			
2 (Cont'd)	c) a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria; d) a program to monitor and report on the: - impacts and environmental performance of the development; and - effectiveness of any management measures (see (c) above); e) a contingency plan to manage any unpredicted impacts and their consequences; f) a program to investigate and implement ways to improve the environmental performance of the development over time; g) a protocol for managing and reporting any: - incidents; - complaints; - non-compliances with statutory requirements; and - exceedances of the impact assessment criteria and/or performance criteria; and h) a protocol for periodic review of the plan. <i>Note: The Secretary may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.</i>		
Updating and Staging Submission of Strategies, Plans or Programs			
3	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. 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.	Yes	PBM updated all relevant management plans in accordance with this condition and Condition 5(4). Source: QSE Manager
Yes* = Compliance established initially – no longer requires compliance assessment Yes = Compliance established fully during the 2020 audit for the period 1 July 2019 to 30 June 2020 NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined			

Table A1.1
Compliance with Development Consent DA 283/97 (Issued 1 April 2016)
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Period 1 July 2019 to 30 June 2020

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Condition No.	Conditional Requirement	Compliance	Basis for Assessment
SCHEDULE 5 – ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING (Cont'd)			
ENVIRONMENTAL MANAGEMENT (Cont'd)			
Revision of Strategies, Plans and Programs			
4	Within 3 months of the submission of an: a) Annual Review under condition 9 below; b) incident report under condition 7 below; c) audit report under condition 10 below; and d) any modifications to this consent, the Applicant shall review, and if necessary revise, the strategies, plans, and programs required under this consent, to the satisfaction of the Secretary.	Yes	All management plans were reviewed following the Independent Audit and previous Annual Review.
Adaptive Management			
5	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. Where any exceedance of these criteria and/or performance measures has occurred, the Applicant shall, at the earliest opportunity: a) take all reasonable and feasible measures to ensure that the exceedance ceases and does not recur; 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.	Noted	PBM fully understands the requirements of this condition. Source: Quarry Manager
COMMUNITY CONSULTATIVE COMMITTEE			
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 Guidelines for Establishing and Operating Community Consultative Committees for Mining Projects (Department of Planning, 2007, or its latest versions).	Yes	One meeting was held during the 2017 - 2018 reporting period (29 November 2017). DPIE has advised PBM that it will commence the process of selecting an independent chairperson so that the CCC may reconvene.
Yes* = Compliance established initially – no longer requires compliance assessment			
Yes = Compliance established fully during the 2020 audit for the period 1 July 2019 to 30 June 2020			
NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined			

Table A1.1
Compliance with Development Consent DA 283/97 (Issued 1 April 2016)
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Condition No.	Conditional Requirement	Compliance	Basis for Assessment
SCHEDULE 5 – ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING (Cont'd)			
REPORTING			
Incident Reporting			
7	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.	NA	No incidents requiring a report occurred during the period 1 July 2019 to 30 June 2020.
Regular Reporting			
8	The Applicant shall provide regular reporting on the environmental performance of the development on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this consent.	NYA	PBM established its website on 28 September 2017.
ANNUAL REVIEW			
9	By the end of March each year, or other timing as may be agreed by the Secretary, the Applicant shall review the environmental performance of the development to the satisfaction of the Secretary. This review must:	Yes	
	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;	Yes	Sections 4.1 and 4.2 present activities for the period 1 July 2019 to 30 June 2020. Section 4.3 presents activities planned for 2020-2021.
	b) include a comprehensive review of the monitoring results and complaints records of the development over the previous calendar year, which includes a comparison of these results against: - the relevant statutory requirements, limits or performance measures/criteria; - requirements of any plan or program required under this consent; - the monitoring results of previous years; and - the relevant predictions in the documents listed in condition 2 of Schedule 2;	Yes	A summary of all monitoring undertaken during 2019-2020 is presented in Sections 6 and 7.
Yes* = Compliance established initially – no longer requires compliance assessment			
Yes = Compliance established fully during the 2020 audit for the period 1 July 2019 to 30 June 2020			
NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined			

Table A1.1
Compliance with Development Consent DA 283/97 (Issued 1 April 2016)
for Operation of Possum Brush Quarry
Period 1 July 2019 to 30 June 2020

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Condition No.	Conditional Requirement	Compliance	Basis for Assessment
SCHEDULE 5 – ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING (Cont'd)			
ANNUAL REVIEW (Cont'd)			
9 (Cont'd)	c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance; d) identify any trends in the monitoring data over the life of the development; e) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and f) describe what measures will be implemented over the current calendar year to improve the environmental performance of the development. 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.	Yes Yes Yes Yes Yes	No non-compliances were recorded during 2019-2020. See Tables 5 to 8 No discrepancies between predicted and actual impacts occurred. See Section 11. PBM will provide the Annual Review to Council and CCC as has been past practice as well as posting it on PBM's website. Source: Quarry Manager
INDEPENDENT ENVIRONMENTAL AUDIT			
10	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: a) be conducted by suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary; b) include consultation with the relevant agencies; c) assess the environmental performance of the development and whether it is complying with the relevant requirements in this consent and any relevant EPL and/or Water License (including any assessment, plan or program required under these approvals); d) review the adequacy of any approved strategy, plan or program required under these approvals; and e) recommend measures or actions to improve the environmental performance of the development, and/or any assessment, plan or program required under these approvals. <i>Note: This audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Secretary.</i>	Yes	An Independent Environmental Audit (IEA) was undertaken on 24 September 2019 by James Hart of AQUAS Pty Ltd. The IEA addressed all conditional requirements and covered the period from October 2016 to September 2019. The IEA report can be inspected on the PBM website.
11	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.	Yes	A copy of the IEA report was submitted to DPIE in accordance with this condition.
Yes* = Compliance established initially – no longer requires compliance assessment Yes = Compliance established fully during the 2020 audit for the period 1 July 2019 to 30 June 2020 NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined			

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Table A1.2
Compliance for Development and Operation of Asphalt Plant DA 1127/2005 – Period 2019-2020

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Condition No.	Subject	Compliance	Basis for Assessment
1	Development of the site generally in accordance with the Statement of Environmental Effects.	Yes	Observation by N. Warren.
2	Submit Construction Certificate with Council at least 48 hours prior to commencement of any building work on the site.	Yes*	Construction Certificate submitted on 24 November 2007. No further building work required.
3	Payment of the prescribed Long Service Levy Fee prior to the issue of a Construction Certificate.	Yes*	Source: Quarry Manager.
4	Repair any damage to existing roads caused during the construction works, prior to the issue of an Occupation Certificate.	NA	No damage was caused during the construction period.
5	- Gross Pollutant Traps (GPT) are to be installed at the last inlet pits before stormwater enters receiving waters. - Details of the GPTs, submitted to Council with the engineering drawings.	NA	Reliance placed on existing water management structures within the Possum Brush Quarry.
6	All adjustments to existing utility services are to be undertaken by the developer.	Yes	All services are now in place.
7	Repair any damage to existing roads caused during the constructions works prior to the issue of an Occupation Certificate.	NA	No damage was caused during the construction period.
8	Compliance with the General Terms of Approval issued by the Department of Environment and Conservation.	Yes	The nominated conditions are consistent with EPL 3393.
9	The plant being operated in accordance with the details provided in the Statement of Environmental Effects.	Yes	Plant is being operated generally in accordance with the SoEE – Source: Quarry Manager.
10	The plant will be permitted to operate 24 hours per day from 6:30am Monday to 10:00pm Friday for a maximum of 60 days per calendar year. A monthly report providing details to be available to Council upon request.	Yes	During the reporting period, the plant only operated on 18 nights. No request for a monthly report was made by Council during reporting period.
11	Compliance with any requirements imposed within an EPL issued by the Environment Protection Authority.	Yes	See Table A1.4 .
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. Biannual monitoring required with notification to affected residents.	Yes	The noise monitoring is undertaken annually and was completed on 24 September 2019.
13	The review of the EMP is to take into account the potential impact of extended operations on local fauna, effectiveness of existing mitigation measures and any additional measures required to monitor and reduce potential impacts.	Yes	The EMP has been superseded by a set of Management Plans prepared in accordance with DA283/97.

Yes* = Compliance established initially – no longer requires compliance assessment

Yes = Compliance established fully during the 2020 audit

NA = Not Applicable

NYA = Not Yet Applicable

ND = Not Determined

Note: The construction of the asphalt plant commenced in October 2007 and commissioning was completed in December 2008.

Compliance for Development and Operation of Recycling Plant¹ DA769/2009 – Period 2019-2020

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Condition No.	Subject	Compliance	Basis for Assessment										
1	The development is to be carried out in accordance with the following approved development plans:	Yes	Incoming waste materials currently stockpiled in Area A – sighted by N. Warren on 16 July 2020.										
	<table><tr><th>Title/ Name</th><th>Drawing/ No.</th><th>Revision/ Issue</th><th>Date</th><th>Prepared by</th></tr><tr><td>PBM Recycling</td><td>Proposed Locations</td><td>-</td><td>-</td><td>Pacific Blue Metal Pty Ltd</td></tr></table>			Title/ Name	Drawing/ No.	Revision/ Issue	Date	Prepared by	PBM Recycling	Proposed Locations	-	-	Pacific Blue Metal Pty Ltd
	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:	Yes	All truck drivers are advised not to enter site before 7:00am. Signage at Front Gate plus Site Induction. Source: Quarry Manager										
	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 LMax noise limits and/or if all feasible and reasonable noise ameliorative works have been undertaken.												
	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.	Yes	All Stormwater is contained within the Quarry Surface Water Management System as discussed in the 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.	Yes	All erosion and sediment contained within the Quarry Surface Water Management System. Source: QSE Manager										
	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.	Yes	PBM has compiled a comprehensive QA program in consultation with the EPA to formalise waste acceptance criteria.										
	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.	Yes	Only permitted wastes have been received to date. During the reporting period, no truck loads of wastes were rejected after inspection.										

Yes* = Compliance established initially – no longer requires compliance assessment

Yes = Compliance established fully during the 2020 audit

NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined

Note 1: The reference to "Recycling Plant" nominated in DA 769/2009 relates to the recycling operations undertaken within the Possum Brush Quarry. No separate plant exists.

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Compliance for Development and Operation of Recycling Plant¹ DA769/2009 – Period 2019-2020

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Condition No.	Subject	Compliance	Basis for Assessment
	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.	NYA	No rejected waste stored on site.
	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.	NYA	All residual waste by products are separated, stored and appropriately disposed of or, where possible, recycled. Plate 5 displays the recycled material storage area.
	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.	Yes	The management of waste materials was addressed in the 2019-2020 Annual Return for EPL 3393 with all relevant information incorporated in the return.
3	Any soils accepted for beneficiation/recycling must not include organic material.	NA	No soils have been 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.	Yes	EPL amended 26 May 2016 to include "Resource Recovery" of general waste. A copy of the EPL was supplied to Council on 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.	Yes	Only steel within concrete is received and separated.

Yes* = Compliance established initially – no longer requires compliance assessment
Yes = Compliance established fully during the 2020 audit

NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined

Note 1: The reference to "Recycling Plant" nominated in DA 769/2009 relates to the recycling operations undertaken within the Possum Brush Quarry. No separate plant exists.

Table A1.4
Compliance for Environment Protection Licence 3393 – Period 2019-2020

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Condition No.	Relevant Conditional Requirement	Compliance	Basis for Assessment															
1 Administrative Conditions																		
A1 What the licence authorises and regulates																		
A1.1	This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation. Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition. <table><tr><th>Scheduled Activity</th><th>Fee Based Activity</th><th>Scale</th></tr><tr><td>Crushing, grinding or separating</td><td>Crushing, grinding or separating</td><td>> 100000 - 500000 T annual processing capacity</td></tr><tr><td>Extractive activities</td><td>Land-based extractive activity</td><td>> 100000 - 500000 T annual capacity to extract, process or store</td></tr><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></table> <i>Note: Limits on resource recovery and waste storage are detailed in condition L3.1.</i>	Scheduled Activity	Fee Based Activity	Scale	Crushing, grinding or separating	Crushing, grinding or separating	> 100000 - 500000 T annual processing capacity	Extractive activities	Land-based extractive activity	> 100000 - 500000 T annual capacity to extract, process or store	Resource recovery	Recovery of general waste	Any general waste recovered	Waste storage	Waste storage - other types of waste	Any other types of waste stored	Yes	During the period 2019-2020, annual production (sales) of quarry products, asphalt and recycled materials totalled 219 219 tonnes.
Scheduled Activity	Fee Based Activity	Scale																
Crushing, grinding or separating	Crushing, grinding or separating	> 100000 - 500000 T annual processing capacity																
Extractive activities	Land-based extractive activity	> 100000 - 500000 T annual capacity to extract, process or store																
Resource recovery	Recovery of general waste	Any general waste recovered																
Waste storage	Waste storage - other types of waste	Any other types of waste stored																
A2 Premises or plant to which this licence applies																		
A2.1	The licence applies to the following premises: <table><tr><th>Premises Details</th></tr><tr><td>PACIFIC BLUE METAL</td></tr><tr><td>113/115 POSSUM BRUSH ROAD</td></tr><tr><td>POSSUM BRUSH</td></tr><tr><td>NSW 2430</td></tr><tr><td>LOT 66 DP 608957, LOT 3 DP 701903, LOT 109 DP 753195</td></tr><tr><td>THOSE AREAS OF THE ABOVE LOT & DPs AS DEFINED ON THE AERIAL MAP TITLED "PACIFIC BLUE METAL PROPOSED EPL ADJUSTMENT" DATED 11/03/2016 (DOC16/138907 ON FILE EF13/3417).</td></tr></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	THOSE AREAS OF THE ABOVE LOT & DPs AS DEFINED ON THE AERIAL MAP TITLED "PACIFIC BLUE METAL PROPOSED EPL ADJUSTMENT" DATED 11/03/2016 (DOC16/138907 ON FILE EF13/3417).	Noted									
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																		
THOSE AREAS OF THE ABOVE LOT & DPs AS DEFINED ON THE AERIAL MAP TITLED "PACIFIC BLUE METAL PROPOSED EPL ADJUSTMENT" DATED 11/03/2016 (DOC16/138907 ON FILE EF13/3417).																		
A3 Other activities																		
A3.1	This licence applies to all other activities carried on at the premises, including: <table><tr><th>Ancillary Activity</th></tr><tr><td>Bitumen mixing</td></tr></table>	Ancillary Activity	Bitumen mixing	Noted														
Ancillary Activity																		
Bitumen mixing																		
A4 Information supplied to the EPA																		
A4.1	Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence. In this condition the reference to "the licence application" includes a reference to: a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.	Noted																
Yes* = Compliance established initially – no longer requires compliance assessment Yes = Compliance established fully during the 2020 audit NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined																		

Table A1.4 (Cont'd)
Compliance for Environment Protection Licence 3393 – Period 2019-2020

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Condition No.	Relevant Conditional Requirement	Compliance	Basis for Assessment												
2 Discharges to Air and Water and Applications to Land															
P1 Location of monitoring/discharge points and areas															
P1.1	The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point. <table border="1"> <thead> <tr> <th colspan="4">Air</th></tr> <tr> <th>EPA identification no.</th><th>Type of Monitoring Point</th><th>Type of Discharge Point</th><th>Location Description</th></tr> </thead> <tbody> <tr> <td>1</td><td>Stack</td><td>Stack</td><td>Asphalt plant</td></tr> </tbody> </table>	Air				EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description	1	Stack	Stack	Asphalt plant	Noted	
Air															
EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description												
1	Stack	Stack	Asphalt plant												
P1.2	The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.	Noted													
P1.3	The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point. <table border="1"> <thead> <tr> <th colspan="4">Water and land</th></tr> <tr> <th>EPA identification no.</th><th>Type of Monitoring Point</th><th>Type of Discharge Point</th><th>Location Description</th></tr> </thead> <tbody> <tr> <td>2</td><td>Discharge to Waters Discharge Quality Monitoring</td><td>Discharge to Waters Discharge Quality Monitoring</td><td>The discharge from Sediment Dam 3 as shown in Figure 2.1 of the EIS of September 1997 completed by ERM Mitchell McCotter Pty Ltd. This figure has been filed on DECCW file number 271458A2</td></tr> </tbody> </table>	Water and land				EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description	2	Discharge to Waters Discharge Quality Monitoring	Discharge to Waters Discharge Quality Monitoring	The discharge from Sediment Dam 3 as shown in Figure 2.1 of the EIS of September 1997 completed by ERM Mitchell McCotter Pty Ltd. This figure has been filed on DECCW file number 271458A2	Noted	Sediment Dam 3 is shown on Figure 2.1 .
Water and land															
EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description												
2	Discharge to Waters Discharge Quality Monitoring	Discharge to Waters Discharge Quality Monitoring	The discharge from Sediment Dam 3 as shown in Figure 2.1 of the EIS of September 1997 completed by ERM Mitchell McCotter Pty Ltd. This figure has been filed on DECCW file number 271458A2												
3 Limit Conditions															
L1 Pollution of waters															
L1.1	Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.	Yes	Water was discharged from Sediment Dam 3 twice during the reporting period (10 February 2020 and 27 March 2020). Analyses of the sample collected identified compliance with EPL limits. It is noted that this dam is not at the boundary of the subject property and water flows from the property at least 800m downstream of Dam 3.												
L2 Concentration limits															
L2.1	For each monitoring/discharge point or utilisation area specified in the tables below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.	Yes	Section 7 presents a summary of the results of analyses for the samples collected during the reporting period.												
L2.2	Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.	Yes	The pH results were within the nominated range of 6.5-8.5.												
L2.3	To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the tables.	Noted													
Yes* = Compliance established initially – no longer requires compliance assessment Yes = Compliance established fully during the 2020 audit NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined															

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Table A1.4 (Cont'd)
Compliance for Environment Protection Licence 3393 – Period 2019-2020

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Condition No.	Relevant Conditional Requirement	Compliance	Basis for Assessment												
3 Limit Conditions (Cont'd)															
L4 Noise limits															
L4.1	Noise generated at the premises must not exceed the noise limits presented in the Table below. <table><tr><th>Location</th><th>Limit LAeq 15 minute (dBA)</th><th>Noise Limit L_{Amax} (dBA)</th></tr><tr><td>Receiver Location 1 – 5 St Peters Ct, 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><tr><td>Receiver Location 3 – 55 Possum Brush Rd, Possum Brush</td><td>37</td><td>45</td></tr></table> <i>Note: The LAeq limits apply at all times, that is, Daytime, Evening and Night Time Operations.</i> <i>The L_{Amax} limits apply to the "night-time" operations.</i> <i>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. This report has been filed on DECCW file LIC08/1650-02.</i>	Location	Limit LAeq 15 minute (dBA)	Noise Limit L _{Amax} (dBA)	Receiver Location 1 – 5 St Peters Ct, 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	Yes	Noise monitoring undertaken on 24 September 2019 and confirmed that the day/evening and night-time limits nominated in Table 2 were satisfied. A summary of the noise monitoring results is posted on PBM's website.
Location	Limit LAeq 15 minute (dBA)	Noise Limit L _{Amax} (dBA)													
Receiver Location 1 – 5 St Peters Ct, 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													
L4.2	For the purpose of the Noise Limits specified in the table above: 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.	Noted													
L4.3	Noise limits specified in the table above apply under all meteorological conditions except for: 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.	Yes	The report by Spectrum Acoustics identifies complying noise levels were measured under appropriate meteorological conditions.												
L4.4	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 E4 of Appendix E to the NSW Industrial Noise Policy.	NA	Temperature inversions are not a feature of the area near the Possum Brush Quarry given its close proximity to the coast.												
L4.5	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.	Yes	Equipment used by Spectrum Acoustics satisfies this requirement.												
Yes* = Compliance established initially – no longer requires compliance assessment															
Yes = Compliance established fully during the 2020 audit															
NA = Not Applicable		NYA = Not Yet Applicable													
		ND = Not Determined													

Table A1.4 (Cont'd)
Compliance for Environment Protection Licence 3393 – Period 2019-2020

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Condition No.	Relevant Conditional Requirement	Compliance	Basis for Assessment
3 Limit Conditions (Cont'd)			
L4 Noise limits (Cont'd)			
L4.6	To determine compliance: a) $L_{eq}(15 \text{ minute})$ noise limits, noise monitoring equipment must be located: 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. ii) approximately on the boundary where any dwelling is situated 30m or less from the property boundary closest to the premises. b) The noise monitoring equipment must be located in a position that is: i) at the most affected point at a location where there is no dwelling at the location; or ii) at the most affected point within an area at a location prescribed by item (a) of this condition	Yes Yes	The monitoring locations are provided in the noise reports prepared by Spectrum Acoustics. The monitoring locations are provided in the noise reports prepared by Spectrum Acoustics.
L4.7	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: 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.	Noted	
L4.8	For the purposes of determining the noise generated at the premises the modification factors in Section 4 of the NSW Noise Policy for Industry must be applied, as appropriate, to the noise levels measured by the noise monitoring equipment.	Noted	
L5 Blasting			
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.	Yes	The highest measured level was 111.1dB(L).
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.	Yes	The highest measured level was 111.1dB(L).
Yes* = Compliance established initially – no longer requires compliance assessment Yes = Compliance established fully during the 2020 audit			
NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined			

Compliance for Environment Protection Licence 3393 – Period 2019-2020

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Condition No.	Relevant Conditional Requirement	Compliance	Basis for Assessment
3 Limit Conditions (Cont'd)			
L5 Blasting (Cont'd)			
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.	Yes	All measured levels were less than 10.0mm/sec. Highest level recorded = 4.82mm/sec.
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.	Yes	All measured levels were less than 5mm/sec. Highest level recorded = 4.82mm/sec.
L5.5	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 b) Instrumentation used to measure the airblast overpressure and ground vibration levels must meet the requirements of Australian Standard 2187.2 of 1993.	Yes Yes	Blast monitoring is undertaken as required by this condition.
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.	Yes	Documentation – blast times for all five blasts were within nominated period (11:58am to 2:54pm).
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> <i>1. are harmful to (or likely to be harmful to) a person that is outside the premises from which it is emitted, or</i> <i>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.</i>	Yes	No offensive blast fume was emitted from the five blasts initiated during the reporting period. Source: Quarry Manager
Yes* = Compliance established initially – no longer requires compliance assessment			
Yes = Compliance established fully during the 2020 audit			
NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined			

Table A1.4 (Cont'd)
Compliance for Environment Protection Licence 3393 – Period 2019-2020

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Condition No.	Relevant Conditional Requirement	Compliance	Basis for Assessment
3 Limit Conditions (Cont'd)			
L6 Hours of Operation			
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.	Yes*	All construction work was undertaken within the nominated hours. Source: Quarry Manager
L6.2	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> 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. <i>Permissible Times for Vehicles Entering the Premises</i> 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. 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. d) Loaded trucks or heavy machinery are not permitted to enter the premises after 6:00pm Monday to Friday or after 3:00pm Saturdays. 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. 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: i) The truck left the premises loaded with product prior to 6:00pm Monday to Friday or prior to 3:00pm Saturday. ii) The truck travelled directly to the delivery site by the most direct route. iii) The truck travelled directly back to the premises from the delivery site by the most direct route.	Yes Yes Yes Yes Yes Yes	Records of operating hours held within the Quarry Administration Office. No heavy vehicles entered the Quarry outside the approved operational hours. No trucks or machinery entered the premises prior to nominated hours. This condition was complied with during the reporting period. Supported by the CCTV installed on site. Source: Quarry Manager This condition has been complied with. Source: Quarry Manager This condition has been complied with since this condition was imposed. Source: Quarry Manager
Yes* = Compliance established initially – no longer requires compliance assessment Yes = Compliance established fully during the 2020 audit			
NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined			

Compliance for Environment Protection Licence 3393 – Period 2019-2020

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Condition No.	Relevant Conditional Requirement	Compliance	Basis for Assessment
3 Limit Conditions (Cont'd)			
L6 Hours of Operation (Cont'd)			
L6.2 (Cont'd)	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> v) No trucks are permitted to enter the premises between 12 midnight Saturdays and 6:15am Monday. <i>Permissible Times for Vehicles Leaving the Premises</i> a) No trucks or heavy machinery are to leave the premises prior to 6:30am Monday to Friday or 7:00am Saturdays. <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> b) 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: 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). ii) The licensee must notify the Manager Hunter Region of the EPA when each night operations will be undertaken by email at newcastlerequest@environment.nsw.gov.au, prior to the night time operations being undertaken. c) 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; i) The truck left the premises loaded with product prior to 10:00pm Friday. ii) The truck travelled directly to the delivery site by the most direct route.	Yes Yes Yes Yes Yes	Source: Quarry Manager. This condition has been complied with since this condition was imposed. Source: Quarry Manager The asphalt plant operated on 18 nights after 6:00pm during the reporting period. Notifications are sent concurrently to surrounding residents, Council and EPA (hunter.region@epa.nsw.gov.au) Examples of letters are retained on site. Source: Quarry Manager No trucks returned loaded to the quarry outside approved hours of operation during the reporting period. Source: Quarry Manager
Yes* = Compliance established initially – no longer requires compliance assessment			
Yes = Compliance established fully during the 2020 audit			
NA = Not Applicable			
NYA = Not Yet Applicable			
ND = Not Determined			

Table A1.4 (Cont'd)
Compliance for Environment Protection Licence 3393 – Period 2019-2020

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Condition No.	Relevant Conditional Requirement	Compliance	Basis for Assessment
3 Limit Conditions (Cont'd)			
L6 Hours of Operation (Cont'd)			
L6.2 (Cont'd)	i) The truck travelled directly back to the premises from the delivery site by the most direct route. 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> iii) No trucks are permitted to enter the premises between 12 midnight Saturdays and 6:15am Monday. <i>Hours of Operation for Maintenance Activities</i> a) 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).	Yes	Records of maintenance hours held within the Quarry Administration Office. It is noted that no maintenance was undertaken outside standard hours during the reporting period.
	<i>No Activities on Sundays or Public Holidays</i> b) No works, maintenance, truck or machinery movements in or out of the premises are permitted on Sundays or Public Holidays.	Yes	Records of maintenance hours held within the Quarry Administration Office.
	<i>Extension of Hours of Operation in Emergency and Other Circumstances</i> c) 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: i) The Licensee must notify the EPA Manager Hunter Region by facsimile on (02) 4908 6810 of the intention to apply to council to extend the quarry's operational hours and the circumstances surrounding the application. ii) The Licensee must notify the EPA Manager Hunter Region by facsimile on (02) 4908 6810 of the Council's decision in written form. iii) The Licensee must keep a log of all such extension for inspection if required.	NA	No notifications were required during the reporting period.
		NA	No notifications were required during the reporting period.
		NA	No notifications were required during the reporting period.
Yes* = Compliance established initially – no longer requires compliance assessment			
Yes = Compliance established fully during the 2020 audit			
NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined			

Table A1.4 (Cont'd)
Compliance for Environment Protection Licence 3393 – Period 2019-2020

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Condition No.	Relevant Conditional Requirement	Compliance	Basis for Assessment
3 Limit Conditions (Cont'd)			
L6 Hours of Operation (Cont'd)			
L6.3	Trucks associated with the waste recycling activities must not enter the premises prior to 7:00am. <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>	Yes	Register maintained on site recording all trucks delivering waste to the Quarry arrived after 7:00am. Source: Quarry Manager
L7 Potentially offensive odour			
L7.1	The licensee must not cause or permit the emission of offensive odour beyond the boundary of the premises. <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>	Yes	Source: Quarry Manager
4 Operating Conditions			
O1 Activities must be carried out in a competent manner			
O1.1	Licensed activities must be carried out in a competent manner. This includes: a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.	Yes	Source: Quarry Manager and observations of good practices on site by N. Warren.
O2 Maintenance of plant and equipment			
O2.1	All plant and equipment installed at the premises or used in connection with the licensed activity: a) must be maintained in a proper and efficient condition; and b) must be operated in a proper and efficient manner.	Yes	Observation by N. Warren – all bunding and spill containment systems were in place. All bunds are checked regularly as part of the workplace inspections.
O3 Dust			
O3.1	The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.	Yes	The excellent location of the quarry, its sealed road and regular road watering ensures that air quality incidents relating to the quarry are avoided.
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.	Yes	The sealed road and regular road watering ensures that air quality incidents relating to the quarry are avoided.
O3.3	Trucks entering and leaving the premises that are carrying loads of materials that may generate air impurities, including dust, must have their loads covered at all times, except during loading and unloading.	Yes	Observation by N. Warren and supportive CCT. Source: Quarry Manager.

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Condition No.	Relevant Conditional Requirement	Compliance	Basis for Assessment
4 Operating Conditions (Cont'd)			
O6 Waste management (Cont'd)			
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: 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).	Yes	PBM has developed a comprehensive Quality Assurance Program to meet these requirements.
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.	NYA	No waste was required to be rejected during the reporting period.
O6.4	The Licensee 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.	NYA	No waste was required to be rejected during the reporting period.
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.	NYA	No waste was required to be rejected during the reporting period.
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.	NYA	No waste was required to be rejected during the reporting period.
5 Monitoring and Recording Conditions			
M1 Monitoring records			
M1.1	The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.	Yes	Presented in Licence Annual Returns.
Yes* = Compliance established initially – no longer requires compliance assessment Yes = Compliance established fully during the 2020 audit NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined			

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Condition No.	Relevant Conditional Requirement	Compliance	Basis for Assessment																																													
5 Monitoring and Recording Conditions (Cont'd)																																																
M4 Weather monitoring (Cont'd)																																																
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. <table><tr><th>Parameter</th><th>Units of Measure</th><th>Frequency</th><th>Averaging Period</th><th>Sampling Method</th></tr><tr><td>Rainfall</td><td>millimetres</td><td>Continuous</td><td>1 hour</td><td>AM-4</td></tr><tr><td>Wind speed @ 10 metres</td><td>metres per second</td><td>Continuous</td><td>15 minute</td><td>AM-2 and AM-4</td></tr><tr><td>Wind direction @ 10 metres</td><td>degrees</td><td>Continuous</td><td>15 minute</td><td>AM-2 and AM-4</td></tr><tr><td>Temperature @ 2 metres</td><td>degrees celcius</td><td>Continuous</td><td>15 minute</td><td>AM-4</td></tr><tr><td>Temperature @ 10 metres</td><td>degrees celcius</td><td>Continuous</td><td>15 minute</td><td>AM-4</td></tr><tr><td>Sigma theta @ 10 metres</td><td>degrees</td><td>Continuous</td><td>15 minute</td><td>AM-2 and AM-4</td></tr><tr><td>Additional Requirements: - Siting</td><td>-</td><td>-</td><td>-</td><td>AM-1 and AM-4</td></tr><tr><td>- Measurement</td><td>-</td><td>-</td><td>-</td><td>AM-2 and AM-4</td></tr></table>	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	-	-	-	AM-1 and AM-4	- Measurement	-	-	-	AM-2 and AM-4	Yes	Until 18 January 2017, reliance was placed on meteorological data collected at Failford Quarry. Since that date, data has been collected at the on-site meteorological station except for short periods of maintenance.
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	-	-	-	AM-1 and AM-4																																												
- Measurement	-	-	-	AM-2 and AM-4																																												
M5 Recording of pollution complaints																																																
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.	Yes	No complaints were received during the reporting period.																																													
M5.2	The record must include details of the following: a) the date and time of the complaint; 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.	Yes	All complaints are appropriately recorded on a standard format with all records held at the Quarry Administration Office and posted on the PBM website.																																													
M5.3	The record of a complaint must be kept for at least 4 years after the complaint was made.	Yes	All complaints are retained in the Quarry Administration Office.																																													
M5.4	The record must be produced to any authorised officers of the EPA who asks to see them.	NA	No requests received to date.																																													
M6 Telephone complaints line																																																
M6.1	Telephone complaints lines must operate during its hours of operation to receive any complaints from members of the public in relation to activities at the premises or by vehicles or mobile plant, unless otherwise specified in the licence.	Yes	The quarry has a complaints telephone number 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.	Yes	All contacts are provided to the CCC and surrounding neighbours and the complaints line is advertised adjacent to the front gate to the quarry.																																													
M6.3	The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.	Noted																																														
Yes* = Compliance established initially – no longer requires compliance assessment																																																
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Condition No.	Relevant Conditional Requirement	Compliance	Basis for Assessment
6 Reporting Conditions (Cont'd)			
R1 Annual return documents (Cont'd)			
R1.3	Where this licence is transferred from the licensee to a new licensee: a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period. <i>Note: An application to transfer a licence must be made in the approved form for this purpose.</i>	NA	No transfer has been necessary.
R1.4	Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on: a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.	NA	The licence has not been surrendered or revoked.
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').	Yes	The most recent completed Annual Return, i.e. for period 2019 to 2020 was submitted electronically with signatures also provided – electronically. (Date of lodgement not recorded on site nor acknowledged by the EPA).
R1.6	The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.	Yes	All annual returns are stored at the Quarry Administration Office.
R1.7	Within the Annual Return, the Statement of Compliance must be certified and the Monitoring and Complaints Summary must be signed by: a) the licence holder; or b) by a person approved in writing by the EPA to sign on behalf of the licence holder.	Yes	The Annual Return for 2019 – 2020 was signed electronically by two directors.
Yes* = Compliance established initially – no longer requires compliance assessment			
Yes = Compliance established fully during the 2020 audit			
NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined			

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Condition No.	Relevant Conditional Requirement	Compliance	Basis for Assessment
6 Reporting Conditions (Cont'd)			
R3 Written Report (Cont'd)			
R3.3	The request may require a report which includes any or all of the following information: a) the cause, time and duration of the event; b) the type, volume and concentration of every pollutant discharged as a result of the event; c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event; d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort; e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants; f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and g) any other relevant matters.	NA	No written reports were requested by the EPA during the reporting period.
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.	NA	No further request for information was received from the EPA.
R4 Other reporting conditions			
Noise and Blast Monitoring Records supplies with Annual Return			
R4.1	The licensee must supply, with each Annual Return, a Noise Monitoring Report which details the findings of the annual noise monitoring required by this licence. Where any of the noise limits detailed in this licence were exceeded during the monitoring, the report must also detail the reason for the non-compliance and make recommendations as to measures that will be employed to ensure noise limits are met at all times.	Yes	The noise monitoring reports prepared by Spectrum Acoustics was provided to the EPA with the Annual Return.
R4.2	The licensee must supply, with each Annual Return, a Blasting Monitoring Report which must include the following information relating to each blast carried out within the premises during the reporting period covered by the Annual Return. a) the date and time of the blast; b) the location of the blast on the premises; c) the blast monitoring results at each blast monitoring station; and d) an explanation for any missing blast monitoring results.	Yes	Blast monitoring reports by Precision Drill and Blast were attached to the Annual Return.
Yes* = Compliance established initially – no longer requires compliance assessment Yes = Compliance established fully during the 2020 audit			
NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined			

Table A1.4 (Cont'd)
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Condition No.	Relevant Conditional Requirement	Compliance	Basis for Assessment						
6 Reporting Conditions (Cont'd)									
R4 Other reporting conditions (Cont'd)									
Noise and Blast Monitoring Records supplies with Annual Return (Cont'd)									
R4.3	The licensee must report any exceedance of the licence blasting limits to the regional office of the EPA as soon as practicable after the exceedance becomes known to the licensee or to one of the licensee's employees or agents.	NA	No exceedances of blasting limits occurred during the reporting period.						
7 General Conditions									
G1 Copy of licence kept at the premises or plant									
G1.1	A copy of the licence must be kept at the premises to which the licence applies.	Yes	Available in the Quarry Administration Office.						
G1.2	The licence must be produced to any authorised officer of the EPA.	Yes	Available in the Quarry Administration Office.						
G1.3	The licence must be available for inspection by any employee or agent of the licensee working at the premises.	Yes	Available in the Quarry Administration Office.						
G2 Other general conditions									
G2.1	Completed Programs <table><tr><th>PRP</th><th>Description</th><th>Completed Date</th></tr><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></table>	PRP	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	Noted	The results of the program have been accepted by the EPA.
PRP	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							

Yes* = Compliance established initially – no longer requires compliance assessment

Yes = Compliance established fully during the 2020 audit

NA = Not Applicable NYA = Not Yet Applicable ND = Not Determined

Appendix 2

Summary of Quarry Products Transportation Records

(Total No. of pages including blank pages = 2)



Table A2.1
Summary of Maximum Hourly Heavy Vehicle Movements

Month	Date	Maximum Number of Heavy Vehicle Movements*	Nominated Hour Period
July 2019	10/07/19	24	11:00am – 12:00pm
August 2019	28/08/19	28	9:00am – 10:00am
September 2019	3/09/19	32	1:00pm – 2:00pm
October 2019	28/10/19	30	7:00am – 8:00am
November 2019	07/11/19 08/11/19 19/11/19	28	7:00am – 8:00am 7:00am – 8:00am 10:00am – 11:00am
December 2019	09/12/19	32	8:00am – 9:00am
January 2020	15/01/19	22	11:00am – 12:00pm
February 2020	26/02/20 27/02/20	20	7:00am – 8:00am 2:00pm – 2:00pm
March 2020	13/03/20	30	12:00pm – 1:00pm
April 2020	24/04/20 30/04/20	34	7:00am – 8:00am 7:00am – 8:00am
May 2020	07/05/20 12/05/20	36	7:00am – 8:00am 2:00pm – 3:00pm
June 2020	16/06/20 17/06/20 18/06/20 19/06/20	36	8:00am – 9:00am Multiple refer Section 6.5 Multiple refer Section 6.5 Multiple refer Section 6.5

* The nominated number of movements have been calculated by doubling the number of laden trucks either entering or leaving the Quarry in the nominated hour period.

Table A2.2
Summary of Maximum Daily Heavy Vehicle Movements

Month	Date	Maximum Number of Heavy Vehicle Movements*
July 2019	10/07/19	108
August 2019	28/08/19	174
September 2019	03/09/19	208
October 2019	29/10/19	134
November 2019	19/11/19	174
December 2019	09/12/20	212
January 2020	15/01/20	130
February 2020	26/02/20	108
March 2020	13/03/20	160
April 2020	17/04/20	200
May 2020	12/05/20	250
June 2020	19/06/20	294

* The nominated number of movements have been calculated by doubling the number of laden trucks either entering or leaving the Quarry on the nominated day.