

Slys Quarry, Tullmorgan-Jackbulbin Road, Mororo

Annual Review

Newman Quarrying Pty Ltd 27 September 2023



The Power of Commitment

GHD Pty Ltd | ABN 39 008 488 373

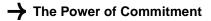
230 Harbour Drive, Coffs Harbour, New South Wales 2450, Australia **T** +61 2 6650 5600 | **F** +61 2 9475 0725 | **E** cfsmail@ghd.com | **ghd.com**

Document status

Status	Revision	Author	Reviewer		Approved for	issue	
Code			Name	Signature	Name	Signature	Date
S4	0	E Strauss	B Luffman	Ben	S Lawer	fan	27/09/2023

© GHD 2023

This document is and shall remain the property of GHD. The document may only be used for the purpose for which it was commissioned and in accordance with the Terms of Engagement for the commission. Unauthorised use of this document in any form whatsoever is prohibited.



Annual review title block

Feature	Details
Name of operation	Slys Quarry
Name of operator	Newman Quarrying Pty Ltd
Development consent/project approval #	SSD 6624
Name of holder of development consent/project approval	Newman Quarrying Pty Ltd
Mining lease #	NA
Name of holder of mining lease	NA
Water licence #	NA
Name of holder of water licence	NA
MOP/RMP start date	NA
MOP/RMP end date	NA
Annual Review start date	01 July 2022
Annual Review end date	30 June 2023

I, Mark Newman, certify that this annual review is a true and accurate record of the compliance status of Slys Quarry for the period 01 July 2022 to 30 June 2023 and that I am authorised to make this statement on behalf of Newman Quarrying Pty Ltd.

Note.

a) The Annual Review is an 'environmental audit' for the purposes of section 122B(2) of the Environmental Planning and Assessment Act 1979. Section 122E provides that a person must not include false or misleading information (or provide information for inclusion in) an audit report produced to the Minister in connection with an environmental audit if the person knows that the information is false or misleading in a material respect. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000.

b) The Crimes Act 1900 contains other offences relating to false and misleading information: section 192G (Intention to defraud by false or misleading statement—maximum penalty 5 years imprisonment); sections 307A, 307B and 307C (False or misleading applications/information/documents—maximum penalty 2 years imprisonment or \$22,000, or both).

Name of authorised reporting officer	Mark Newman
Title of authorised reporting officer	Director
Signature of authorised reporting officer	
Date:	

Contents

1.	State	ment of o	compliance	1
2.	Overv	view		2
	2.1	Quarry	y contacts	2
	2.2	Purpo	se and scope of this report	2
	2.3	Limita	tions	4
3.	Appro	ovals and	dlicences	5
4.	Opera	ation sun	nmary	7
5.	Actio	ns from	previous Annual Review	9
6.	Envir	onmenta	I performance	10
	6.1	Noise	-	10
		6.1.1	Environmental management	10
		6.1.2	Environmental performance	10
		6.1.3	Improvements and initiatives	10
	6.2	Blastir	ng	10
		6.2.1	Environmental management	10
		6.2.2	Environmental performance	11
		6.2.3	Improvements and initiatives	12
	6.3	Air qu	ality	12
		6.3.1	Environmental management	12
		6.3.2	Environmental performance	13
		6.3.3	Improvements and initiatives	13
	6.4	Soil ar	nd water quality	13
		6.4.1	Environmental management	13
		6.4.2	Environmental performance	13
		6.4.3	Improvements and initiatives	15
	6.5	Biodiv	ersity and rehabilitation	15
		6.5.1	Environmental management	15
		6.5.2	Environmental performance	15
		6.5.3	Improvements and initiatives	18
	6.6	Herita	ge	18
		6.6.1	Environmental management	18
		6.6.2	Environmental performance	18
		6.6.3	Improvements and initiatives	18
	6.7	Waste		18
		6.7.1	Environmental management	18
		6.7.2	Environmental performance	18
		6.7.3	Improvements and initiatives	19
	6.8	Traffic		19
		6.8.1	Environmental management	19
		6.8.2	Environmental performance	19
_	•	6.8.3	Improvements and initiatives	20
7.		nunity		21
8.	Indep	endent a	nudit	22

9.	Incide	ents and non-compliance	25
	9.1	Incidents	25
	9.2	Non-compliance	25
	9.3	Regulatory agency actions	25
10.	Activi	ties to be completed in the next reporting period	26
11.	Concl	usion	27
12.	Refer	ences	28

Table index

Table 1.1	Statement of compliance	1
Table 1.2	Compliance status	1
Table 2.1	Sly's Quarry Contacts	2
Table 3.1	Key approvals, consents, and licences	5
Table 3.2	Annual Review Requirements	5
Table 4.1	Blast and production summary	7
Table 5.1	Status of actions from previous Annual Review	9
Table 6.1	Sly's Quarry blast criteria	11
Table 6.2	Summary of blast monitoring	11
Table 6.3	Basin monitoring criteria	13
Table 6.4	Summary of basin monitoring results	14
Table 6.5	Baseline surface water monitoring results summary	14
Table 6.6	Groundwater monitoring results	14
Table 6.7	Waste records	19
Table 6.8	Truck movement summary	20
Table 8.1	IEA actions status update	22

Figure index

Figure 2.1	Locality Map	3
Figure 4.1	Extraction and clearing 2021/22 and 2022/23	8
Figure 6.1	EIS estimated ground vibration and airblast overpressure levels from blasting	12
Figure 6.2	Biobank and revegetation areas	16
Figure 6.3	Aerial photograph of Area C rehabilitation between 5/10/2013 (top), 25/10/2018 (middle) and September 2022 (bottom)	17
		17

Appendices

- Appendix A Production data
- Appendix B Council contributions
- Appendix C Independent Environmental Audit
- Appendix D Nest Box Monitoring report
- Appendix E Water quality results
- Appendix F Approval to increase daily trucking

1. Statement of compliance

The expansion of Slys Quarry was approved by the Department of Planning and Environment (DPE) (Project Approval SSD 6624) and has an Environmental Protection Licence (EPL 11649). In regard to the compliance of the operations with the Project Approval (SSD 6624) and EPL, a statement of compliance, as at the end of the reporting period, is provided in Table 1.1.

Table 1.1 Statement of compliance

Were all conditions of the relevant approvals complied wit	h
SSD 6624	Yes
EPL 11649	Yes

Table 1.2 Compliance status

Risk level	Colour code	Description
High	Non-compliant	Non-compliance with potential for significant environmental consequences, regardless of the likelihood of occurrence.
Medium	Non-compliant	 Non-compliance with: Potential for serious environmental consequences but is unlikely to occur. Potential for moderate environmental consequences but is likely to occur.
Low	Non-compliant	 Non-compliance with: Potential for moderate environmental consequences but is unlikely to occur. Potential for low environmental consequences but is likely to occur.
Administrative non- compliance	Non-compliant	Only to be applied where the non-compliance does not result in any risk of environmental harm (e.g. submitting a report to government later than required under approval conditions).

2. Overview

Newman Quarrying Pty Ltd (Newman Quarrying) operate a sandstone quarry known as Sly's Quarry at Tullymorgan-Jackybulbin Road, Mororo, NSW. Sly's Quarry is located at Lot 2 DP 1055044, approximately 2.6 km west of the Pacific Highway, in the Clarence Valley Local Government Area (LGA). The location of the site is presented in Figure 2.1. The primary purpose of the quarry is to supply quarry materials required for current and proposed Pacific Highway works, and for supply to local councils and contractors.

Newman Quarrying have been operating since the early 1990's, however the site has reportedly been used as a quarry since the 1950's. On 5 May 2016, development consent (SSD 6624) was granted for the expansion of the quarry and involved the following:

- Expand main quarry pit (Site A) by 11.1 hectares to 18 hectares.
- Close and rehabilitate other quarry pits (Sites B and C).
- Extraction depth 44 m AHD.
- Increase the extraction rate up to 500,000 tonnes per annum.
- Estimated resource 7,000,000 tonnes.
- Estimated operating period 15-40 years with approval to 31 May 2041.

2.1 Quarry contacts

Table 2.1 provides contact details for key personnel who are responsible for the environmental management of Sly's Quarry.

```
Table 2.1 Sly's Quarry Contacts
```

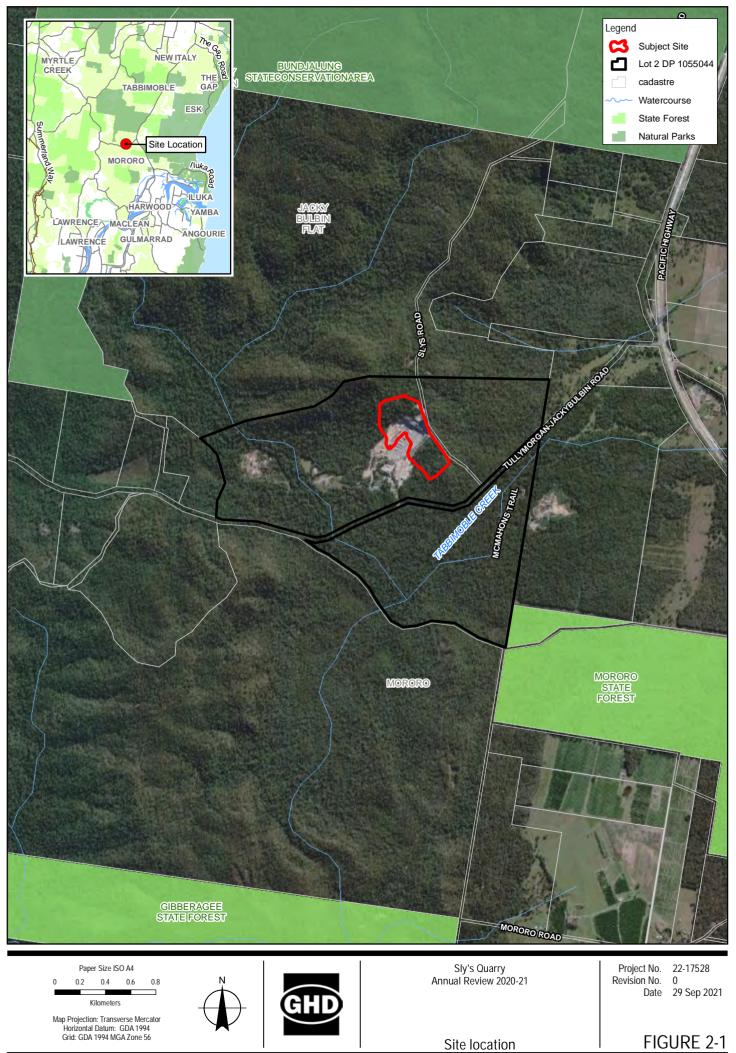
Quarry Owner/Manager:	Mark Newman
Company:	Newman Quarrying Pty Ltd
Address:	Tullymorgan-Jackybulbin Road, Mororo
Phone:	0427 822 667
Email:	newmanquarrying@gmail.com

2.2 Purpose and scope of this report

This Annual Review has been prepared to satisfy the Conditions of Development Consent (SSD 6624), in particular Condition 10 of Schedule 5. The Annual Review covers the period from 1 July 2022 until 30 June 2023 (herein referred to as the reporting period).

This Annual Review provides a summary of actual operational and environmental management activities undertaken at Sly's Quarry during the reporting period. The Annual Review also addresses any complaints made during the reporting period.

The Annual Review has been prepared generally in accordance with the *Annual Review Guideline* (2015) where practicable.



G:\22\17528\GISMaps\Deliverables\AnnualReview_2020_21\2217528_AR20-21_001_SileLocation_0.mxd Print date: 29 Sep 2021 - 14:35 Data source: Geoscience Australia: 250k Topographic Data Series 3, 2006: LPI: DTDB, DCDC, 2017. LPI: Aerial Imagery, 2019 Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Arbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community. Created by: OChung, fmackay

2.3 Limitations

This report has been prepared by GHD for Newman Quarrying Pty Ltd and may only be used and relied on by Newman Quarrying Pty Ltd for the purpose agreed between GHD and the Newman Quarrying Pty Ltd.

GHD otherwise disclaims responsibility to any person other than Newman Quarrying Pty Ltd arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this Report are based on conditions encountered and information reviewed at the date of preparation of the Report. GHD has no responsibility or obligation to update this Report to account for events or changes occurring subsequent to the date that the Report was prepared.

Where this Report is relied on or used without obtaining this further advice from GHD, to the maximum extent permitted by law, GHD disclaims all liability and responsibility to any person in connection with, arising from or in respect of this Report whether such liability arises in contract, tort (including negligence) or under statute.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

GHD has prepared this report on the basis of information provided by Newman Quarrying Pty Ltd and others who provided information to GHD (including Government authorities)], which GHD has not independently verified or checked beyond the agreed scope of work. GHD does not accept liability in connection with such unverified information, including errors and omissions in the report which were caused by errors or omissions in that information.

The opinions, conclusions and any recommendations in this report are based on information obtained from, and testing undertaken at or in connection with, specific sample points. Site conditions at other parts of the site may be different from the site conditions found at the specific sample points.

Investigations undertaken in respect of this report are constrained by the particular site conditions, such as the location of buildings, services, and vegetation. As a result, not all relevant site features and conditions may have been identified in this report.

Site conditions (including the presence of hazardous substances and/or site contamination) may change after the date of this Report. GHD does not accept responsibility arising from, or in connection with, any change to the site conditions. GHD is also not responsible for updating this report if the site conditions change.

3. Approvals and licences

Table 3.1 summarises the key approvals currently held by Newman Quarrying which are relevant to the operations at Sly's Quarry.

Table 3.1Key approvals, consents, and licences

Description	Date granted/ commencement date	Expiry/duration
Project Approvals		
Development Consent (SSD 6624)	5 May 2016. Modified 19 October 2017	31 May 2041
Environmental Protection Lic	ences	
EPL 11649	12 June 2002. Licence varied 14 September 2020	In perpetuity (Anniversary 1 Jan) until surrendered

The requirements of the Development Consent via conditions of approval (CoA), relevant to the Annual Review, are shown in Table 3.2.

Table 3.2 Annual Review Requirement	Table 3.2	Annual Review Requirements
-------------------------------------	-----------	----------------------------

Licence, Approval or Guideline	Section Reference	Requirement	Reference in this report		
Development consent and CoA SSD 6624	Schedule 2 Condition 16	The Applicant mus (a) Provide annual form for that pu (b) Include a copy (see condition s	Appendix A		
	Schedule 2 Condition 19	The Applicant must toward the mainten contribution must b Council S.94 Contr November 1994, of by Council. The an July each year and 9 of Schedule 5.	Appendix B		
	Schedule 3	The Applicant mus	Not applicable.		
	Condition 1	Table 1: Operating Hours	The quarry has		
		Activity	Permissible Hours	not operated	
		Employee arrival	 From 6:30 am Monday to Saturday inclusive From 7:30 am Sundays or public holidays if engaged in maintenance, site security or other similar activities 	on Saturday afternoons	
		Quarrying operations including loading and dispatch of laden trucks	 7 am to 6 pm Monday to Friday 7 am to 1 pm Saturday 7 am to 4 pm Saturday if fulfilling a contract for the supply of quarry products to the Pacific Highway update project (SSD 4963)* At no time on Sundays or public holidays 	during the reporting period.	
		Blasting	9 am to 3 pm Monday to Friday (except public holidays) May be conducted at any time, provided that these activities are		
		Maintenance	 May be conducted at any time, provided that these activities are not audible at any privately-owned residence 		
		extended Saturday	contracts that cover those periods during which afternoon operating hours are undertaken must be ual Review required by condition 9 of Schedule 5.		
	Schedule 3,	The Applicant mus	Section 6.7		
	Condition 36	Condition 36 a) Manage on-site		e sewage treatment and disposal in accordance with ts of its EPL, and to the satisfaction of the EPA and	
		b) Minimise the w	aste generated by the development.		
		c) Ensure that the	e waste generated by the development is tored, handled, and disposed of.		
		d) Report on wast Review, to the			

Licence, Approval or Guideline	Section Reference	Requirement	Reference in this report
	Schedule 5 Condition 10	Annual Review By the end of September each year, or other timing as may be agreed by the Secretary, the Applicant must review the environmental performance of the development to the satisfaction of the Secretary. This review must:	Entire Report
		a) Describe the development (including any rehabilitation) that was carried out in the previous financial year, and the development that is proposed to be carried out over the current financial year.	Section 4
	 b) Include a comprehensive review of the monitoring results and complaints records of the development over the previous financial year, which includes a comparison of these results against the: Relevant statutory requirements, limits, or performance measures / criteria. Requirements of any plan or program required under this consent. Monitoring results of previous years. Relevant predictions in the Environmental Impact Statement (EIS). 	Section 5 and 7	
describe what actions were (or are		c) Identify any non-compliance over the past financial year, and describe what actions were (or are being) taken to ensure compliance.	Section 8
		d) Identify any trends in the monitoring data over the life of the development.	Section 5
		e) Identify any discrepancies between the predicted and actual impacts of the development and analyse the potential cause of any significant discrepancies.	Section 8
		 f) Describe what measures will be implemented over the current financial year to improve the environmental performance of the development. 	Section 5

4. Operation summary

During the reporting period, the quarry extracted material from Stage 2B only, shown in Figure 4.1.

In the reporting period, 264,814.30 tonnes of material was extracted, as shown in Table 4.1. The table also shows the volume of material sold from Slys Quarry during the reporting period was 278,912 tonnes. This shows the material extracted and transported during the reporting period was within the approved limit of 500,000 tonnes.

Table 4.1Blast and production summary

Reporting period	Extr	Extracted		
	Volume (m ³)	Tonnes		
2020/21	29,351*	73,377*	142,121	
2021/22	61,828	184,633	263,091	
2022/23	105,926	264,814.30	278,912	

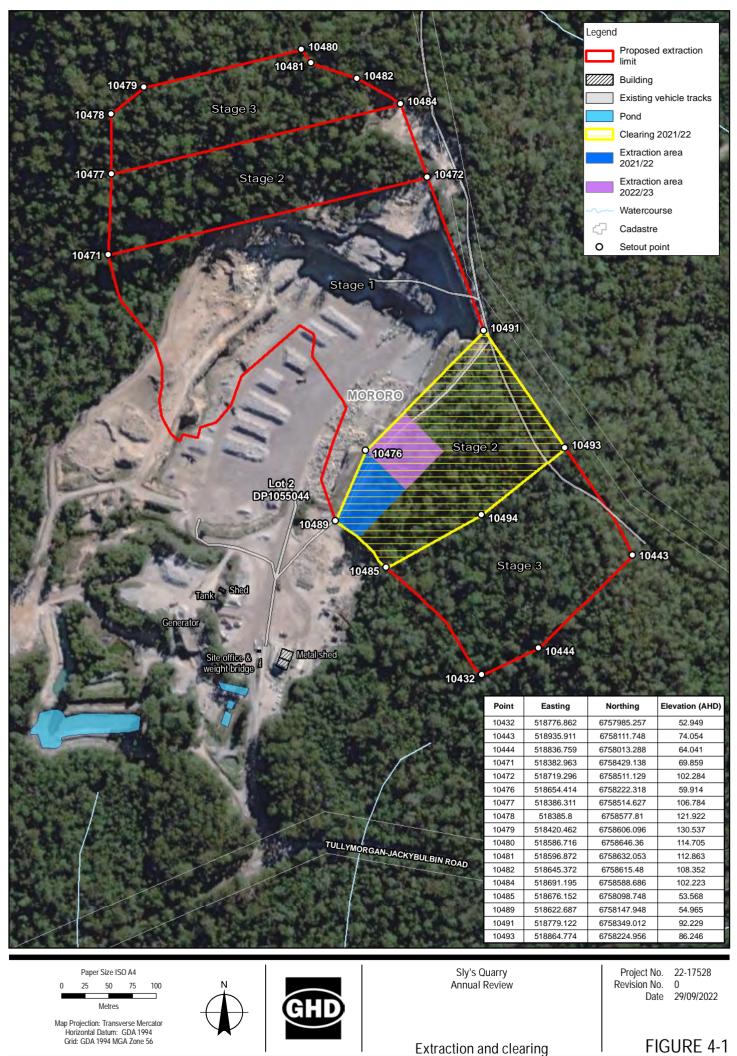
* This was reported incorrectly in the 2020/21 Annual Report

The primary quarry operations undertaken during the reporting period included:

- 2023 Independent Environmental Audit (IEA), completed in June 2023, see Section 8 and Appendix C.
- Reviewing of management plans by Newman Quarrying, on the following dates:
 - 28/11/22: Blast Management Plan (BMP), Biodiversity and Rehabilitation Plan (BRMP), Soil and Water Management Plan (SWMP), Air Quality Management Plan (AQMP).
 - 30/11/22: Traffic Management Plan (TMP), Heritage Management Plan (HMP), Waste Management Plan (WMP), Noise Management Plan (NMP).
 - 1/12/22: Nest Box Management Plan, Bushfire Management Plan, Environmental Management Strategy (EMS).

The following management plans were updated and approved in the reporting period:

- The SWMP and TMP were updated on 16/12/2022 and approved by DPE on 19/12/2022.
- The AQMP was updated on 01/09/2022 and was approved by DPE on 19/09/2022.
- The EMS was updated on 21/07/2022 and approved by DPE on 22/08/2022.
- The NMP was updated on 08/09/2022 and approved by DPE on 14/09/2022.
- In accordance with the IEA, the BRMP was updated and approved by DPE on 18/05/23.
- Nest box monitoring, see Appendix D.
- Area C rehabilitation monitoring.
- Environmental monitoring, see Section 6 and Appendix E.
- Biobank monitoring.
- Approval of increased truck limits, see Appendix F.



G:\22\17528\GIS\Maps\Deliverables\AnnualReview_2022\2217528_AR22_002_ExtractionPlan_0.mxd Print date: 29 Sep 2022 - 10:40 Data source: LPI: DTDB, DCDC, 2017. LPI: Aerial Imagery, 2019, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community. Created by: TMorton, Imarkay

5. Actions from previous Annual Review

The actions identified during the previous Annual Review for implementation during the current Annual Review reporting period are presented in Table 5.1, along with the current status.

 Table 5.1
 Status of actions from previous Annual Review

Action required from previous	Action taken by the Operator	Reference
Annual Review	Action taken by the Operator	Reference
Extraction from Stage 2B, as shown in Figure 4.1.	Material was extracted only from Stage 2B during the reporting period.	Section 4
Extraction of 300,000 tonnes.	Not completed, 264,814.30 tonnes of material was extracted during the reporting period.	Section 4
2021 Independent Environmental Audit.	Actions from the 2021 IEA have been closed out. The 2023 IEA was undertaken during the reporting period.	Section 8
Reviewing management plans.	Management plans have been reviewed. Dates of each review are provided in each environmental performance section.	Section 6
Continuing nest box monitoring.	Ongoing. In accordance with the Nest Box Plan of Management, monitoring must be undertaken twice per year for a period of five years. This reporting period comprises Year 4 of the monitoring.	Appendix D
Requesting confirmation 150 trucks can continue to operate, as per Condition 8A.	Approved	Appendix F
Modify the consent to update the biobank credit requirements.	Ongoing	
Continuing to implement the requirements of the management plans, EPL and CoA.	Yes, see statement of compliance.	Section 1
Continuing rehabilitation.	Ongoing	
Implementing Stewardship management as per the agreement.	Ongoing	

6. Environmental performance

6.1 Noise

6.1.1 Environmental management

Operational noise is managed by Newman Quarrying in accordance with the approved Noise Management Plan (NMP). The NMP covers all operational activities with the potential to generate noise at Sly's Quarry. It details specific noise management and mitigation measures, outlines monitoring and reporting requirements and provides clear definition of the roles and responsibilities for noise management. The objectives of the NMP are:

- Ensure full compliance with the relevant legislative requirements and CoA.
- No exceedance of the operational noise limits.
- No justified complaints from adjacent residents in relation to noise generation.
- No out of hours work.

The NMP was updated on 08/09/2022 and approved by DPE on 14/09/2022. The NMP was reviewed by Newman Quarrying on 30/11/22.

Newman Quarrying proactively implements a range of noise mitigation measures for operational activities at Sly's Quarry. During the reporting period these included, but were not limited to the following:

- Ensuring machines were operated at low speed and were switched off when not being used.
- Progressive replacement of components of the existing fleet found to be generating excessive noise.
- Maintaining plant and equipment to manufacturer's standards.
- Scheduling noisy activities between 7:00 am and 6:00 pm where possible.
- Closing all engine covers while equipment is operating.
- Avoiding dropping materials from height and avoiding metal to metal contact on material.

6.1.2 Environmental performance

As reported in the 2018/19 Annual Review, Newman Quarrying ceased noise monitoring following approval from DPE. Although no noise monitoring was carried out during the reporting period, there was less extraction than what was originally proposed and no complaints, so it is expected the noise impacts were less than predicted which indicated the operations complied with the noise criteria.

6.1.3 Improvements and initiatives

Mitigation measures and monitoring identified in the CoA, EPL and NMP will continue to be implemented.

6.2 Blasting

6.2.1 Environmental management

Blasting operations at Sly's Quarry are managed in accordance with the Blast Management Plan (BMP), which covers blasting activities associated with the quarry and appropriate mitigation measures. The objectives of blast management at Sly's Quarry are:

- Ensure full compliance with the relevant legislative requirements and CoA.
- No exceedance of the blasting criteria.
- No justified complaints from adjacent residents in relation to blasting and vibrations.

In order to meet these objectives Newman Quarrying proactively implements a range of mitigation measures for blasting activities at Sly's Quarry. During the reporting period these included:

- Only undertaking blasting operations between 09:00 and 15:00 Monday to Friday.
- Providing all sensitive receivers at least 24 hours' notice when blasting operations were undertaken.

Newman Quarrying completed blast monitoring in accordance with the CoA and BMP.

6.2.2 Environmental performance

Blast monitoring was undertaken for all blasts at Sly's Quarry during the reporting period. Monitoring was undertaken from Receiver 3, as outlined in the EPL. Receiver 3 is located approximately 1.5 km south of the quarry boundary.

The BMP was reviewed by Newman Quarrying during the reporting period on 28/11/22. Project specific blast criteria are outlined in EPL 11649 and CoA SSD 6624. A summary of the blast criteria is provided in Table 6.1.

Table 6.1 Sly's Quarry blast criteria

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

A total of 10 blasts were undertaken during the reporting period and all were below the trigger threshold. A summary of the blast monitoring is provided in Table 6.2.

Table 6.2	Summary of blast monitoring
-----------	-----------------------------

Date	Time	Vibration (mm/s)	Pressure (dBL)	Complies
Blast criteria		5	115	
Trigger value		0.8	106	
18/07/2022	10:48 am	0.17	75.8	Yes
1/08/2022	10:53 am	0.11	75.8	Yes
10/08/2022	12:15 pm	0.01	75.8	Yes
1/09/2022	1:17 pm	0.13	114.2	Yes
21/09/2022	2:43 pm	0.12	113.9	Yes
7/12/2022	2:37 pm	0.09	113.6	Yes
10/02/2023	2:03 pm	0.08	103.9	Yes
6/03/2023	1:12 pm	0.1	91.1	Yes
18/04/2023	11:36 am	0.42	104.7	Yes

Based on the predicted results in the EIS, presented in Figure 6.1, the actual results are consistent. This is similar to previous year's results when most did not trigger, and the others were less than the criteria.

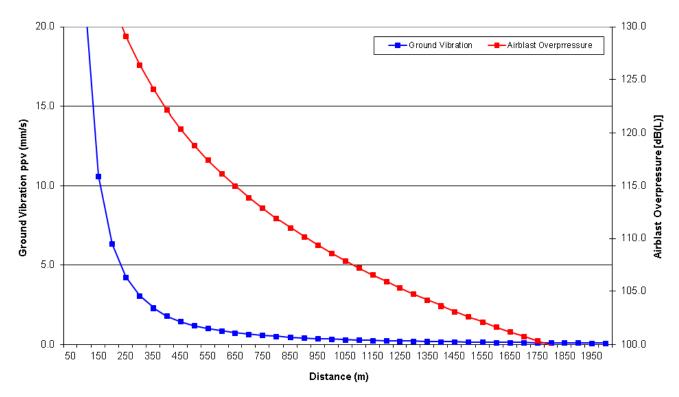


Figure 6.1 EIS estimated ground vibration and airblast overpressure levels from blasting

6.2.3 Improvements and initiatives

Given that no exceedances of the blast criteria were recorded in the reporting period, no improvements are considered necessary. Monitoring and mitigation measures identified in the CoA, EPL and BMP will continue to be implemented.

6.3 Air quality

6.3.1 Environmental management

Air quality at Sly's Quarry is managed in accordance with the Air Quality Management Plan (AQMP), CoA and EPL. The objectives of the AQMP are:

- Minimise and manage potential air quality/dust impacts from the development in accordance with relevant legislative requirements and CoA.
- Control dust and exhaust emissions of plant and equipment from quarrying activities.
- Achieve particulate matter and dust concentrations that meet the approved air quality criteria.
- No visible offsite dust emissions as a result of site operations.
- No justifiable complaints related to air quality attributable to site operations.

The AQMP was updated on 01/09/2022 and was approved by DPE on 19/09/2022. The AQMP was reviewed by Newman Quarrying on 28/11/2022.

Newman Quarrying proactively implements a range of air quality mitigation measures for operational activities at Sly's Quarry. During the reporting period these included, but were not limited to the following:

- Covering loads.
- Watering haulage routes to reduce dust.
- Using water sprays on crushers.

6.3.2 Environmental performance

Dust monitoring ceased in August 2018 following approval from DPE given there was no exceedances during previous years. Air quality monitoring will recommence, in accordance with the AQMP, if the site receives a dust complaint or makes an operational change that is likely to increase dust emissions from the site. As there were no complaints and the operations extracted less than originally proposed or was assessed in the EIS, it is expected the impacts were less than predicted.

6.3.3 Improvements and initiatives

Monitoring and mitigation measures identified in the CoA, EPL and AQMP will continue to be implemented.

6.4 Soil and water quality

6.4.1 Environmental management

Soil and water quality at Sly's Quarry are managed in accordance with the Soil and Water Management Plan (SWMP), which outlines appropriate mitigation measures for soil, surface water and groundwater management.

The objectives of soil and water management at Sly's Quarry are:

- Ensure full compliance with the relevant legislative requirements and CoA.
- Meet EPL water discharge parameters for all controlled discharges.
- Ensure training on soil and water management is provided to all relevant personnel through site inductions.

The SWMP was updated on 16/12/2022 and approved by DPE on 19/12/2022. The SWMP was reviewed by Newman Quarrying on 28/11/2022.

In order to meet these objectives, Newman Quarrying implements a range of mitigation measures and monitoring requirements as outlined in the SWMP, which include:

- Daily weather monitoring.
- Daily rainfall monitoring.
- Weekly monitoring of erosion and sediment controls, and following rain.
- Baseline monitoring following rain.
- Basin monitoring prior to discharging.
- Basin capacity monitoring following rain.
- Spill kit checks monthly and following use.
- Groundwater monitoring.

6.4.2 Environmental performance

Basin monitoring

Monitoring was undertaken for total suspended solids (TSS), pH and oil and grease at the outlet of the main basin (MP1) prior to discharging. This location is the EPL monitoring point. The criteria outlined in the SWMP and EPL is presented in Table 6.3.

Table 6.3	Basin monitoring criteria
-----------	---------------------------

Pollutant	Concentration/Limit
Oil and grease	Nil visible
рН	6.5-8.5
Total suspended solids (TSS)	50 mg/L

Results of the basin monitoring are summarised in Table 6.4. Full water quality records are provided in Appendix E. This shows the water quality complied with the EPL criteria prior to discharging, as predicted in the EIS. The results are reasonably consistent with previous years, with the TSS results less than 50 mg/L and between a pH of 7.0 and 8.5 pH was recorded as slightly more alkaline this reporting period.

Date	Rain	in	Discharging	TSS	рН	Oil	Treated?	Discharged
	24hrs	5 Days		(mg/L)				
Criteria				50	6.5-8.5	Nil		
02/07/22	21	22	No	16	7.2	Nil	No	Yes
09/08/22	0	0	No	16	8	Nil	No	Yes
23/08/22	0	0	No	14	8	Nil	No	Yes
4/10/22	38	39.5	No	32	7.1	Nil	No	Yes
10/10/22	1	10	No	6	7.5	Nil	No	Yes
07/12/22	0	4	No	23	7	Nil	No	Yes
16/01/23	22.5	22.5	No	20	7.8	Nil	No	Yes
10/02/23	0	12	No	25	8.5	Nil	No	Yes
07/03/23	0	34	No	20	7.8	Nil	No	Yes
03/05/23	0	0	No	11	8.1	Nil	No	Yes

 Table 6.4
 Summary of basin monitoring results

Surface water

Surface water samples were collected at WQ1 and WQ2 following greater than 10 mm of rain in a 24 hour period until the end of 2020, when DPE agreed to reducing the monitoring frequency to once per quarter based on no impact on water quality being detected from the water quality sampling since operations commenced. A total of 4 sampling events occurred during the reporting period. A summary of the results are presented in Table 6.5 with full water quality records provided in Appendix E. This shows the water quality at the two monitoring locations were relatively consistent. The water quality is also relatively good, which is as predicted in the EIS.

	TSS (mg/L)	TSS (mg/L)		рН		Oil (visible)	
Site	WQ1	WQ2	WQ1	WQ2	WQ1	WQ2	
Median	3.75	2.75	6.15	6.15	None	None	
Maximum	6	6	6.9	6.3	None	None	
Minimum	2	1	6	6	None	None	

 Table 6.5
 Baseline surface water monitoring results summary

Groundwater

As approved by DPE in letters dated 02/12/2020 and 04/02/2021 groundwater monitoring is now undertaken annually at the three groundwater wells.

A summary of the results are presented in Table 6.6, with full water quality records provided in Appendix E. This shows the results vary a little between sites. Generally, pH is highest at GW1 and slightly lower at GW2 and GW3. The conductivity reduces from GW1 to GW3. It is not clear what would cause this difference but the conductivity for all sites would be considered freshwater and within the natural variability of the area.

Table 6.6 Grou	ndwater monitoring results
----------------	----------------------------

	Rain		GW1		GW2		GW3	
7/12/22	0	4	5.96	338	5.58	288	5.12	226

6.4.3 Improvements and initiatives

Newman Quarrying will continue to implement the appropriate mitigation measures and monitoring required by the EPL and SWMP.

6.5 Biodiversity and rehabilitation

6.5.1 Environmental management

Biodiversity and rehabilitation at Sly's Quarry is managed in accordance with the Biodiversity and Rehabilitation Management Plan (BRMP) and CoA. The targets outlined in the BRMP include:

- Ensure full compliance with the relevant legislative requirements and CoA.
- No fauna fatalities.
- No unapproved disturbance of vegetation.
- No new occurrences of weeds or pathogens on-site.

The BRMP (Rev 6) was updated according to the requirements of the IEA and the revised BRMP was approved on 18/05/2023.

In order to meet these objectives, Newman Quarrying implements a range of mitigation measures and monitoring requirements as outlined in the BRMP, which include:

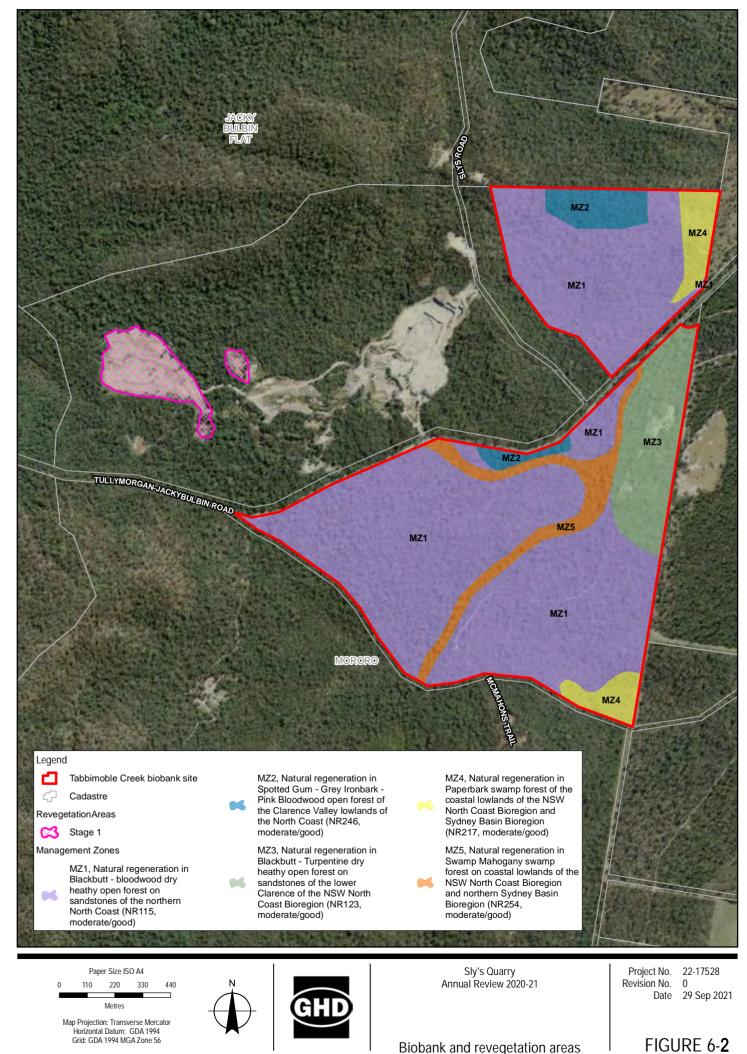
- Restricting vehicle movements to daylight hours.
- Implementing speed limits at the site.
- Revegetating Area C in accordance with the Rehabilitation Plan.
- Clearly marked the limits of clearing.
- Nest box monitoring in accordance with the Nest Box Management Plan, see Appendix D.
- Cleared the southern area of Stage 2 and 3 in accordance with BRMP requirements.
- Maintained the Stewardship site in accordance with the Agreement.

6.5.2 Environmental performance

Clearing of Stage 2 (south) and Stage 3 (south) has been completed.

Revegetation at Area C is ongoing.

Figure 6.2 and Figure 6.3 below show that the natural revegetation appears to have progressed with plants growing and additional species observed. The western portion has been slow to revegetate and may require assistance if natural revegetation continues to fail in the next few years.



G:\22\17528\GIS\Maps\Delivera 21_003_Revegetation_0.mxd Print date: 29 Sep 2021 - 14:35 Review 2020 21\2217528 AR20Biobank and revegetation areas



Figure 6.3 Aerial photograph of Area C rehabilitation between 5/10/2013 (top), 25/10/2018 (middle) and September 2022 (bottom)

In the previous reporting period, Newman Quarrying were progressing the removal of the 317 Common Planigale credits from Condition 27, Schedule 3, and were in the process of engaging an expert to assess if the site contains Common Planigale habitat. This action is ongoing during this reporting period.

6.5.3 Improvements and initiatives

Newman Quarrying will continue to implement the BRMP and Stewardship Agreement requirements to minimise impacts on biodiversity.

6.6 Heritage

6.6.1 Environmental management

Management of both historical and Aboriginal cultural heritage at Sly's Quarry is in accordance with the Heritage Management Plan (HMP) and CoA. The targets outlined in the HMP are to:

- Ensure full compliance with the relevant legislative requirements and CoA.
- No damage to heritage items.
- All site staff and contractors trained on unexpected finds protocol.

6.6.2 Environmental performance

During the reporting period, Newman Quarrying has followed the protocols outlined in the HMP. As predicted in the EIS, no unexpected finds of historical or Aboriginal heritage items have been recorded during the reporting period.

The HMP was reviewed by Newman Quarrying on 30/11/22.

6.6.3 Improvements and initiatives

The HMP and CoA will continue to be implemented at Sly's Quarry over the next reporting period.

6.7 Waste

6.7.1 Environmental management

Waste at Sly's Quarry is managed in accordance with the Waste Management Plan (WMP), CoA and EPL. The objectives of the WMP are to:

- Ensure full compliance with the relevant legislative requirements and CoA.
- Waste generation minimised through the hierarchy of waste management priorities.
- Separable waste bins provided.

The WMP encouraged using the waste management hierarchy of avoid, reuse/recycle, and then dispose to mitigate the impacts of waste from a number of sources, including excavated material, green waste, general construction waste, contaminated soil, liquid waste, wastewater, biological waste, and domestic waste.

The WMP was reviewed by Newman Quarrying on 30/11/22.

6.7.2 Environmental performance

The following mitigation measures were implemented by Newman Quarrying during the reporting period to manage waste on-site:

- Re-using excess materials.
- Recycling metal, waste oil and old batteries.
- Appropriate storage of chemicals and fuels in bunded areas with 110% capacity.

- Diverting clean water from the site.
- Routine weekly inspection to ensure the site is clean and tidy.

A summary of the type and quantity of wastes generated by the quarry during the 2022/23 reporting period are presented in Table 6.7. The volumes of waste were not predicted in the EIS; however the type of wastes and disposal option is generally as predicted.

Waste	Amount	Management option
General rubbish	27 m ³	Landfill
Cardboard	12 m ³	Recycled and landfill
Oil	1,100 L	Recycled
Hydrocarbon bin	0.6t	Landfill

Table 6.7 Waste records

6.7.3 Improvements and initiatives

Newman Quarrying will continue to implement the waste mitigation measures and conditions outlined in the WMP, CoA and EPL.

6.8 Traffic

6.8.1 Environmental management

Traffic at Sly's Quarry is managed in accordance with the Traffic Management Plan (TMP), CoA and EPL. The objectives of the TMP are:

- Ensure full compliance with the relevant legislative requirements and CoA.
- No justified complaints related to site traffic.
- No road damage from quarry vehicle movements beyond normal wear and tear.

The TMP was updated on 16/12/2022 and was approved by DPE on 19/12/2022. The TMP was reviewed by Newman Quarrying on 30/11/2022.

In order to meet these objectives Newman Quarrying implemented the following mitigation measures during the reporting period:

- Implementation of the driver's code of conduct.
- Confirmed that 150 trucks per day can continue in accordance with Condition 8A, refer to Appendix F.

6.8.2 Environmental performance

Newman Quarrying present a truck movement summary on their website, which is summarised in Table 6.8.

A total of 10,783 trucks transported material from the quarry in the reporting period. Truck movements were compliant with the CoA and TMP.

Day	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Мау	Jur
1	113	54	5	0	43	12	0	7	23	0	41	48
2	0	108	16	0	44	11	0	11	19	0	38	41
3	0	120	0	0	39	0	0	14	19	41	32	0
4	113	103	0	23	33	0	0	0	0	46	40	0
5	39	37	17	88	0	32	0	0	0	45	30	22
6	15	0	128	94	0	22	0	9	24	30	0	14
7	9	0	81	72	73	13	0	33	19	0	0	33
8	36	111	33	0	52	17	0	35	24	0	42	42
9	0	115	11	0	38	12	29	35	15	0	53	34
10	0	103	0	28	26	0	29	49	26	0	62	0
11	109	91	0	21	24	0	33	0	0	48	52	0
12	98	100	103	28	0	16	42	0	0	53	50	0
13	98	0	93	28	0	37	35	37	19	53	0	16
14	115	0	93	42	27	36	0	35	27	37	0	26
15	107	73	84	0	51	38	0	40	12	0	23	27
16	0	104	71	0	50	68	40	31	23	0	4	38
17	0	103	0	28	46	0	43	45	19	52	14	0
18	67	35	0	41	33	0	41	4	0	41	12	0
19	109	21	94	42	0	70	26	0	0	56	12	39
20	41	0	81	16	0	12	4	35	43	42	0	34
21	19	0	21	90	25	0	0	34	47	23	0	43
22	10	47	0	0	65	0	0	34	26	0	44	50
23	0	29	3	0	52	0	26	35	18	0	45	50
24	0	100	0	5	42	0	25	48	35	13	45	0
25	116	86	0	17	64	0	20	0	0	0	18	0
26	101	78	28	27	0	0	0	0	0	9	16	54
27	123	0	106	56	0	0	0	32	61	22	0	53
28	41	0	81	59	41	0	0	20	16	21	0	66
29	46	73	92	0	70	0	0	0	12	0	23	57
30	0	98	85	0	60	0	13	0	7	0	20	40
31	0	92		45		0	13	0	13		43	

Table 6.8Truck movement summary

The traffic impacts were generally consistent with those predicted and with the previous reporting period. Truck numbers have increased by 154 compared to the previous reporting period.

6.8.3 Improvements and initiatives

Newman Quarrying will continue to implement the traffic mitigation measures and conditions outlined in the TMP, CoA and EPL.

7. Community

In accordance with the CoA, an Environmental Management Strategy (EMS) was prepared, which included details of a complaints handling process for the quarry. In accordance with the EMS, a complaints telephone line was established, with the number advertised on the Sly's Quarry entrance and on the Newman Quarrying website. The EMS requires all complaints to include:

- The date and time of the complaint.
- The method by which the complaint was made.
- Any personal details of the complainant which were provided by the complainant or, if no such details were
 provided, a note to that effect.
- The nature of the complaint.
- The action taken in relation to the complaint, including any follow-up contact with the complainant.
- If no action was taken, the reason why no action was taken.

Newman Quarrying records all complaints regarding quarry operations, in accordance with the EMS. The complaints are publicly available on their website.

During the reporting period, no complaints were received.

The EMS was updated on 21/07/2022 and approved by DPE on 22/08/2022. The EMS was reviewed by Newman Quarrying on 1/12/22.

8. Independent audit

The previous independent environmental audit (IEA) was completed in April 2021. Four outstanding actions from the 2021 IEA were identified in the 2023 IEA which concluded that all four of these actions were "closed" or "closed, ongoing". These actions have therefore not been further assessed in this annual report.

An IEA is required every three years, in accordance with Conditions of Consent (6624). Accordingly, NGH Pty Ltd (NGH) was engaged to undertake the 2023 IEA, which was completed in June 2023. Actions identified in the 2023 IEA have been provided below in

Table 8.1 and progress against each action has also been provided.

#	Assessment requirement	Comment	Audit classification	Response/ Action	Progress
Sched	ule 2				
2(b)	The Applicant shall carry out the development generally in accordance with the conditions of this consent and the Development Layout Plans.	The audit found NC's against Consent Conditions as below, therefore the development has not been carried out in accordance with the full conditions of consent.	NC	Complete actions listed below	See below actions.
8(c)	The Applicant must not receive or dispatch more than 125 laden trucks from the site on any day, except as specified in condition 8(d) below.	 PHUP was opened to traffic in 2020 (finishing work continued into 2021). On letter dated 21 September 2022, Secretary conditionally approved 150 laden trucks/ day. Trucking records show: 142 laden trucks 20 July 21. 145 laden trucks 21 Dec 21. 128 laden trucks 6 Sept 22. Occasions where PHUP was complete, and prior to conditional approval of truck increase, >125 laden trucks per day were recorded. 	NC	Progress with Project. Modification for 6624 Condition 8 (c). Pre-submission modification information received by TfNSW August 2022.	Additional information has been provided from Newman Quarrying to address this non-compliance .
8(d)	The Applicant may receive or dispatch up to 150 laden trucks from the site on any day until the completion of the PHUP, unless otherwise agreed by the Secretary.	 PHUP was opened to traffic in 2020 (finishing work continued into 2021). On letter dated 21 September 2022, Secretary conditionally approved 150 laden trucks/ day. Trucking records show: 142 laden trucks 20 July 21. 145 laden trucks 21 Dec 21 128 laden trucks 6 Sep 22. Occasions where PHUP was complete, and prior to conditional approval of truck increase, >125 laden trucks per day were recorded. 	NC	Progress with Project Modification for 6624 Condition 8 (c). Pre-submission modification information received by TfNSW August 2022.	Additional information has been provided from Newman Quarrying to address this non-compliance.

Table 8.1IEA actions status update

#	Assessment requirement	Comment	Audit classification	Response/ Action	Progress					
Schedu	Schedule 3									
21	The Applicant must implement the approved Soil and Water Management Plan as approved from time to time by the Secretary.	Soil and Water Management Plan (SWMP, Rev 5), was prepared and approved in December 2022 to the satisfaction of the Secretary, however the audit found that site practice does not comply with one mitigation measure within the SWMP: Mitigation measure SW02	NC	Refer Table 3-3 below.	The updated SWMP was approved on 19/12/22, see Section 6.4.					
31(h) The Applicant must prepare a Biodiversity and Rehabilitation Management Plan for the development to the satisfaction of the Secretary. This plan must: include a detailed description of the measures that would be implemented over the next three years (to be updated for each three year period following initial approval of		The Biodiversity and Rehabilitation Management Plan (BRMP, Rev 0) was prepared in 2017 to the satisfaction of the Secretary. Since this date, at the time of audit no further revisions to the BRMP that had been approved by the Secretary, were available. It was noted that at the time of reporting, a revised BRMP document (Rev 6) had been submitted for DPE approval (May 2023).	NC	Obtain BRMP (Rev 6) approval from the Secretary and ensure this document is updated every 3 years.	While no further revisions have been approved by the Secretary, revisions have been submitted in 2018, 2019 and 2022. The updated BRMP was approved on 18/05/2023.					
31(h)	Including the procedures to be implemented for: – Establishing vegetation screening to minimise the visual impacts of the site on surrounding receivers.	The Biodiversity and Rehabilitation Management Plan (BRMP, Rev 0) was prepared in 2017 to the satisfaction of the Secretary, however the BRMP document reviewed at the time of the audit, lacked this detail. It was noted that at the time of reporting, a revised BRMP document (Rev6) was being prepared (May 23). A revised mitigation measure contained within Table 4.1 Environmental controls and mitigation measures was inserted to address this requirement (newly created B13).	NC	Obtain BRMP (Rev 6) approval from the Secretary that includes this detail.	The BRMP (Rev 6) with this control was approved 18/05/2023					

#	Assessment requirement	Comment	Audit classification	Response/ Action	Progress
31(h)	Ensuring no obstruction of legal public access along the Crown public road referred to as 'Slys Road' in accordance with public rights of access under the Roads Act 1993.	The Biodiversity and Rehabilitation Management Plan (BRMP, Rev 0) was prepared in 2017 to the satisfaction of the Secretary, however the BRMP document reviewed at the time of the audit, lacked this detail. It was noted that at the time of reporting, a revised BRMP document (Rev 6) was being prepared (May 2023). A revised mitigation measure contained within Table 4.1 Environmental controls and mitigation measures was inserted to address this requirement (newly created B14).	NC	Obtain BRMP (Rev 6) approval from the Secretary that includes this detail.	The BRMP (Rev 6) with this control was approved 18/05/2023
31(h)	Controlling access to Slys Road, including managing public safety risks associated with rights of access over Slys Road by installing appropriate fencing and signage.	The Biodiversity and Rehabilitation Management Plan (BRMP, Rev 0) was prepared in 2017 to the satisfaction of the Secretary. however the BRMP document reviewed at the time of the audit, lacked this detail. It was noted that at the time of reporting, a revised BRMP document (Rev6) was being prepared (May 2023). A revised mitigation measure contained within Table 4.1 Environmental controls and mitigation measures was inserted to address this requirement (newly created B15).	NC	Obtain BRMP (Rev 6) approval from the Secretary that includes this detail.	The BRMP (Rev 6) with this control was approved 18/05/2023
32	The applicant must implement the approved Biodiversity and Rehabilitation Management Plan as approved from time to time by the Secretary.	The Biodiversity and Rehabilitation Management Plan (BRMP, Rev 0) was prepared in 2017 to the satisfaction of the Secretary, however the audit found that site practice does not comply with five mitigation measures within the BRMP: - Mitigation measure B7 - Mitigation measure B8 - Mitigation measure B9 - Mitigation measure B13 - Mitigation measure B14	NC	A table is provided in the IEA, see Appendix C, which summarises all actions and implementation requirements for the BRMP.	The BRMP (Rev 6) with this control was approved 18/05/2023

9. Incidents and non-compliance

9.1 Incidents

No incidents occurred during the reporting period.

9.2 Non-compliance

Non-compliances identified in the IEA have been addressed in Section 8. No other non-compliances were recorded during the reporting period.

9.3 Regulatory agency actions

There has been no regulatory agency action during the reporting period.

10. Activities to be completed in the next reporting period

In the next 12 months, activities at the quarry are anticipated to include:

- Extraction of Stage 2B to continue with an estimated extraction volume of 300,000 tonnes.
- Management plan update and review.
- Nest box monitoring.
- Area C rehabilitation monitoring.
- Biobank monitoring and implementation as per agreement.
- General operation to meet EPL and DA conditions.

11. Conclusion

This Annual Review has been completed for Sly's Quarry, on behalf of Newman's Quarrying, in accordance with the CoAs (SSD 6624), to assess environmental compliance at the site from 1 July 2022 to 30 June 2023.

The primary quarry operations undertaken during the reporting period included:

- 2023 Independent Environmental Audit, completed in June 2023, see Appendix C.
- Management plan reviews.
- Nest box monitoring, see Appendix D.
- Area C rehabilitation monitoring.
- Environmental monitoring, see Appendix E.
- Biobank monitoring.
- Extraction from Stage 2B only.
- Approval of truck limits to 150, see Appendix F.
- Total extraction of 264,814.30 tonnes.

Activities proposed for the next reporting period include:

- Extraction of Stage 2B to continue with an estimated extraction volume of 300,000 tonnes.
- Management plan update and review.
- Nest box monitoring.
- Area C rehabilitation monitoring.
- Biobank monitoring and implementation as per agreement.
- General operation to meet EPL and DA conditions.

An assessment of the environmental monitoring completed at Sly's Quarry was undertaken, with compliance against CoA SSD 6624, EPL 11649 and the relevant management plans also assessed. Generally, environmental management at Sly's Quarry, during the reporting period, was as predicted, consistent with previous reporting periods and compliant.

No complaints were received during the reporting period.

Environmental management will continue to comply with the CoA of SSD 6624, EPL 11649 and the relevant management plans.

12. References

GHD 2015. Environmental Impact Statement. May 2015.

- GHD 2022. Air Quality Management Plan. November 2022.
- GHD 2022. Biodiversity and Rehabilitation Management Plan. November 2022.
- GHD 2022. Blast Management Plan. November 2022.
- GHD 2022. Environmental Management Strategy. November 2022.
- GHD 2023. Heritage Management Plan. November 2022.
- GHD 2022. Noise Management Plan. November 2022.
- GHD 2022. Soil and Water Management Plan. May November 2022.
- GHD 2022. Traffic Management Plan. November 2022.
- GHD 2022 Waste Management Plan. November 2022.

NSW Government 2015, Post-approval requirements for State Significant mining developments – Annual Review Guideline.

Appendices



		Fiel.
/	C.00	r

Ily

(31

m

Monda

1 cuber

more

Coopy

104

STP

Extractive Materials Return 2021-2022

Form S1 – Period Ending 30 June 202"

Quote RIMS ID in all correspondence

Quarry Id:

Rims ID: 400567

May 2023

MA 1 0 15 22 20

2027

Operators Name: NEWMON QUARRYing PIL Address: 5 Torio PI, rungway Bay and 4216

Email: newmonguor jinge grou. com

Quarry Name: 5171 QUANTY Quarry Address: Jacky Lullin nd Mororo 2419

The return should be completed and forwarded to Senior Advisory Officer, RESOURCE ECONOMICS, STRATEGY, PERFORMANCE & INDUSTRY DEVELOPMENT, DEPARTMENT OF REGIONAL NSW, PO BOX 344 HUNTER REGION MAIL CENTRE NSW 2310 on or before 31 October 2022. If completion of the return is unavoidably delayed, an application for extension of time should be requested before the due date. If no work was done during the year, a NIL return must be forwarded.

June 2023

5 17 10

26

The return should relate to the above quarrying establishment and should cover the operations of quarrying and treatment (such as crushing, screening, washing etc.) carried out at or near the quarry. A return is required even if the operations are solely of a developmental nature and whether the area being worked is held under a mining title or otherwise.

Please complete all the following information to as
Typical Geology Sandstoni
Nearest Town to Quarry Madem, ISW
Local Council Name Clarence Villy Council
Deposited Plan and Lot Number/s of Quarry 107 2, DP 10
Email Address of Operator <u>Newmanguarryingegnal</u>
Name of Owner or Licensee Mark Newman
Postal Address of Licensee Po Box 292 Jamba 24

Licence/Lease Number/s (if any)

NA From Mining, Exploration & Geoscience (NSW Mineral Resources)

From Crown Lands or other NSW Department

If any output was obtained from land NOT held under licence from the above Departments, state the Name/s and Address/es of the Owners of the land NA

To the best of my knowledge, information entered in this return is correct and no blank spaces left where figures should have been inserted.

- SIGNATURE of PROPRIETOR or MANAGER
- · CONTACT PERSON for this return Mark Newman
- · NAME (Block letters) MARK NEWMAN



July 2023

Inquiries please telephone:

NSW

Regional

August 2023

(02) 4063 6713 **Completed or Nil Returns** Email mineral.royalty@regional.nsw.gov.au

Postal Address (see below)

Please amend name, postal address and location of mine or quarry if incorrect or incomplete.

Director, Performance sist in identifying the location of the Quarry

5044

.com

SSD 6624

DATE 31-7-23

Telephone 0427822667

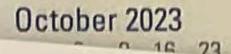
Regional NSW | 1

Sentember 2023

Extractive Materials Return 2021-2022

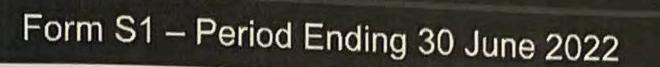
Sales During 2021-2022

Product	Description	Quantity Tonn
Virgin Materials		FRAME STR
Crushed Coarse Aggregates Over 75mm		164,199.3
Over 30mm to 75mm	Over 75mm 30 - 75mm 5 - 70mm	9,520.5
5mm to 30mm	Jo - Isma	10427.2
Under 5mm	S - Tom	-
Natural Sand		-
Manufactured Sand	Washed Sand	11303.
Prepared Road Base & Sub Base	Warious roadbases	64828.
Other Unprocessed Materials		22
Recycled Materials Crushed Coarse Aggregates		-
Over 75mm	-	-
Over 30mm to 75mm	-	
5mm to 30mm		
Under 5mm		
Natural Sand		
Manufactured Sand		
Prepared Road Base & Sub Base		
Other Unprocessed Materials River Gravel		
Over 30mm		
5mm to 30mm		
Under 5mm		
Construction Sand	Excluding Industrial FIN Schol	7,164,
Industrial Sand		
Foundry, Moulding		-
Glass		
Other (Specify)		
Dimension Stone	Building, Ornamental, Monumental	
Quarried in Blocks	[orten rock.	11,463.
Quarried in Slabs		
Decorative Aggregate	Including Terrazzo	-
Loam	Soil for Topdressing, Garden soil, Horticultural purposes)	-
TOTAL SITE PRODUCTION		\$ 5.0019
Gross Value (\$) of all Sales		\$ 5,0019
Type of Material	SANDETONE	
Number of Full-Time Equivalent (FTE) Employees	Employees 7	Contractor



August

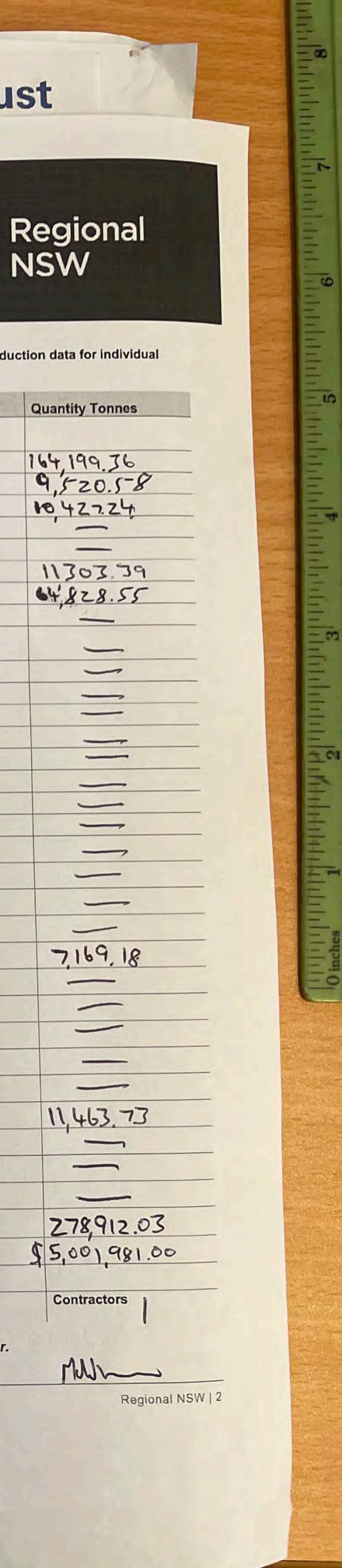
NSW



Production information may be published in aggregated form for statistical reporting. However, production data for individual operations is kept strictly confidential.

Please Note: A return for clay-based products can be obtained by contacting the inquiry number.

Mun



Appendix B Council contributions

VALLEY COUNCIL

AN POLICIE STATES

ABN: 85864095684 Locked Bag 23 Grafton NSW 2460

Tax Invoice Official Receipt

26/07/2023 Receipt No:

897220

\$0,00

o: Newman Quarrying Pty Ltd PO Box 292

Yamba NSW 2464

Reference Amount Applic **GL** Receipt \$3,356.08 GL S94QuryRdsJacky 1 - Newman Quarry - Annual S94 Contributions \$18.31 Qty 1, CredCardSurcharge 1 \$1.83 GL19997480 \$3,376.22 **Transaction Total:** \$1.83 Includes GST of: **Amounts Tendered** Cash \$0.00



Cheque

 Db/Cr Card
 \$3,376.22

 Money Order
 \$0.00

 Agency
 \$0.00

 Total
 \$3,376.22

 Rounding
 \$0.00

 Change
 \$0.00

 Nett
 \$3,376.22

You are a valued customer of Clarence Valley Council. We thank you for your payment.

Please Note: The print quality of this receipt will diminish over time.

Appendix C Independent Environmental Audit

NGH

Prepared for Newman Quarrying

Independent Audit

Slys Quarry Expansion Project

Clarence Valley, Mororo, NSW

June 2023

Project Number: 230086



Document verification

Project Title:	Slys Quarry Expansion Project
Project Number:	230086
Project File Name:	230086_IEA_Final V1.0

Revision	Date	Prepared by	Reviewed by	Approved by
Draft	21/06/2023	O. Merrick	W. Heiniger	Natascha Arens
Final	28/06/2023	O. Merrick	N. Arens	Natascha Arens

NGH Pty Ltd prints all documents on environmentally sustainable paper including paper made from bagasse (a by-product of sugar production) or recycled paper.



Table of Contents

Acror	nyms and	Abbreviations	iii
Execu	utive sum	mary	v
1.	Introduc	tion	6
1.1.	Backgrou	und	6
	1.1.1.	Expansion project 2016	7
	1.1.2.	Project modification	9
	1.1.3.	Environmental Protection Licence (EPL)	9
1.2.	Audit obj	ectives	1
	1.2.1.	Audit scope and period	. 1
2.	Audit me	ethodology	1
2.1.	Selection	n of the audit team	. 1
2.2.	Independ	dent audit scope development	. 1
2.3.	Compliar	nce evaluation	2
2.4.	Site inter	views	2
2.5.	Consulta	tion	2
2.6.	Compliar	nce status descriptors	3
3.	Audit fin	dings	3
3.1.	Compliar	nce performance	4
3.2.	Summary	y of agency notices, orders, penalties or prosecutions	.4
3.3.	Non-com	pliances	5
3.4.	Previous	audit recommendations	3
3.5.	Environm	nental plans, subplans and post approval documents	.3
	3.5.1.	Noise Management Plan (Schedule 3, Condition 5)	.4
	3.5.2.	Blast Management Plan (Schedule 3, Condition 10)	.4
	3.5.3.	Air Quality Management Plan (Schedule 3, Condition 14)	.4
	3.5.4.	Soil and Water Management plan, (Schedule 3, Condition 20)	.4
	3.5.5.	Traffic Management Plan (Schedule 3, Condition 24)	.5
	3.5.6.	Biodiversity and Rehabilitation Management plan (Schedule 3, Condition 31)	.5
	3.5.7.	Bushfire Management Plan (Schedule 3, Condition 40)	6
	3.5.8.	Environmental Management Strategy (Schedule 5, Condition 1)	.6
	3.5.9.	Pollution Incident Response Management Plan (EPL 11649, O.4)	.6
	3.5.10.	Site inspections incidents and other records	7
	3.5.11.	Stakeholder, community engagement and complaints	.7

Slys Quarry Expansion Project

NGH

3.6.	Environmental performance	.7	
3.7.	Environment Protection Licence (EPL 11649)	.7	
3.8.	Consultation outcome	.7	
3.9.	Complaints	.9	
3.10.	Incidents	.9	
3.11.	Actual versus perceived impacts	.9	
3.12.	Site inspection	.9	
3.13.	Site interviews	.9	
3.14.	Improvements opportunities	10	
3.15.	Key strengths	10	
4.	Recommendations	10	
4.1.	Summary of compliance and non-compliance against conditions	10	
5.	Conclusion	1	
Appe	ndix A Auditor team approval	\-	
Appe	pendix B Audit tableB-I		
Appe	ndix C Audit plan C)-1	
Appe	ndix D Independence Declarations and Auditors CVs E)-	
Appe	ndix E Agency consultation	5-1	
Appe	ppendix F Audit frequency direction (DPE)F-I		
Appe	ppendix G Site photographs G-II		

Figures

Figure 1-	Locations of each site (taken from Consolidated Consent 6624)	.7
Figure 1-2	2 Sly's Quarry Expansion Project (Department of Planning and Environment, 2016)	.8
Figure 1-3	Expansion Project site layout (taken form Consolidated Consent 6624)	.9

Table

Table 1-1 Environmental Protection Licence (11649) modification history	.1
Table 2-1: Compliance status descriptors	.3
Table 3-1 Statutory instrument (Conditions of Consent 7098) audit classification status	.4
Table 3-2 Conditions of Consent 6624, summary of non-compliances	.1
Table 3-3 Summary of management plan implementation findings	.1
Table 3-2 Independent Environmental Audit (2021) findings	.3
Table 4-1 Conditions of Consent 6624, summary of non-compliances	.1



Acronyms and Abbreviations

AS/NZS	Australian Standard/ New Zealand Standard
AQMP	Air Quality Monitoring Program
BMP	Blast Management Plan
BRMP	Biodiversity and Rehabilitation Management Plan
BuMP	Bushfire Management Plan (BuMP)
CoC	Conditions of Consent
CVC	Clarence Valley Council
DA	Development Application
dBL	Decibels
DCoC	Drivers Code of Conduct
DP	Deposited Plan
DPE	Department of Planning and Environment (NSW)
DRNSW	Department of Regional New South Wales (DRNSW, formerly Department of Planning Industry and Environment
E	Endangered
EIS	Environmental impact statement
EMS	Environmental Management Strategy
EP&A Act	Environmental Planning and Assessment Act 1979 (NSW)
EPBC Act	Environment Protection and Biodiversity Conservation Act 1999 (Cwth)
EPA	Environment Protection Authority (New South Wales)
EPL	Environment Protection Licence
FM Act	Fisheries Management Act 1994 (NSW)
ha	hectares

Slys Quarry Expansion Project

NGH	
-----	--

НМР	Heritage Management Plan
IEA	Independent Environmental Audit
KFH	Key Fish Habitat
km	kilometres
L	litre
LGA	Local government area
m	metres
ML	megalitre
mm/s	millimetres per second
NBMP	Nest-box Management Plan
NGH	NGH Consulting
NMP	Noise Management Plan
NSW	New South Wales
PIRMP	Pollution Incident Response Management Plan
PHUP	Pacific Highway Upgrade Project
REF	Review of Environmental Factors
SWMP	Soil and Water Management Plan
SSD	State Significant Development
TEC	Threatened ecological community
TfNSW	Transport for New South Wales
ТМР	Traffic Management Plan
tn	tonne
V	Vulnerable

Executive summary

Newman Quarrying Pty Ltd (Newman Quarrying) operates Sly's Quarry; an existing approved sandstone and sand quarry located at Lot 2 Deposited Plan (DP) 1055044, Jackybulbin Road, Mororo in New South Wales (NSW). The site is located approximately 2.6 kilometres (km) west of the Pacific Highway, in the Clarence Valley Local Government Area (LGA).

In 2016 Newman Quarrying prepared a development application (DA) for the Sly's Quarry Expansion Project (the 'Project'). The DA submitted was for the expansion of the existing quarry, and involved staged expansion of the existing sandstone quarry pit (site A) extending a further 11.1 hectares (ha); increasing the quarry's maximum rate of extraction from 100,000 to 500,000 tonnes per annum; increasing the quarry's hours of operation; increasing the number of quarry product truck movements (i.e. to and from the quarry) up to a maximum of 250 movements (125 laden trucks exiting the quarry) per day under peak operations; importing mulch and topsoil for rehabilitation and other material (such as clay) to meet product specification blends; and continued rehabilitation of the previous sand quarry sites (sites B and C) and rehabilitation of disused portions of the existing sandstone quarry (site A).

The Department of Planning and Environment (DPE) reviewed the updated reports and approved the Project, which was classified as a State Significant Development (SSD) (SSD – 6624) in April 2016, subject to Conditions of Consent (CoC). Schedule 5 Condition 11 of such CoCs requires an Independent Environmental Audit to be conducted at every three years thereafter the date of Consent.

This scheduled Independent Environmental Audit (IEA) covers the period 22 April 2021 to 28 April 2023, noting due to natural disaster events (catastrophic bushfires for 2019/2020); an extension of time was requested by Newman Quarrying and approved by the Department for the IEA that would have otherwise been due in 2020 to be delayed until June 2021. This delay request was granted by the Department and was subject to the next scheduled IEA being completed by 30 June 2023.

The audit found three (3) non-compliances from a total of 84 Conditions of Approval. Where the identified non-compliance was relevant to details contained within a specific management plan, this was further described, with suggested management actions attributed to each identified non-compliance.

1. Introduction

Newman Quarrying Pty Ltd (Newman Quarrying) are seeking to undertake the next scheduled Independent Environment Audit, required every three years, in accordance with Conditions of Consent (6624). NGH has been engaged for the 2023 Independent Environmental Audit (IEA).

1.1. Background

Newman Quarrying operates Sly's Quarry; an existing approved sandstone and sand quarry located at Lot 2 Deposited Plan (DP) 1055044, Jackybulbin Road, Mororo in New South Wales (NSW). The site is located approximately 2.6 km west of the Pacific Highway, in the Clarence Valley Local Government Area (LGA).

Original development consent for the quarry was granted by Maclean Shire Council (now Clarence Valley Council) in 1995 (consent number 1995/128), under the *State Environmental Planning Policy (SEPP) No. 37* – *Continued Mines and Extractive Industries*. A further consent (1997/011) was granted by Maclean Shire Council in 1997. The operations approved under this development consent consisted of:

- site A, an area of approximately 22 ha (area which includes the current active sandstone quarry);
- site B, sand extraction operation approximately 5 ha in area south of Tullymorgan-Jackybulbin Road (now closed and rehabilitated/ ongoing); and
- site C, the sand extraction area approximately 44 ha in area, on the western section of Lot 2 on the northern side of Tullymorgan-Jackybulbin Road (now closed and rehabilitated).

Refer to Figure 1-1 overleaf for locations of each site.

Slys Quarry Expansion Project

NGH



Figure 1-1 Locations of each site (taken from Consolidated Consent 6624)

1.1.1. Expansion project 2016

In 2016 Newman Quarrying prepared a development application (DA) for the Sly's Quarry Expansion Project (the 'Project'). The DA submitted was for the expansion of the existing quarry, and involved the below activities (refer Figure 1-2 overleaf for layout of the Project):

- staged expansion of the existing sandstone quarry pit (site A) extending a further 11.1 ha
- increasing the quarry's maximum rate of extraction from 100,000 to 500,000 tonnes per annum
- increasing the quarry's hours of operation
- increasing the number of quarry product truck movements (i.e. to and from the quarry) up to a maximum of 250 movements (125 laden exiting the quarry) per day under peak operations

Slys Quarry Expansion Project



- importing mulch and topsoil for rehabilitation and other material (such as clay) to meet product specification blends
- continued rehabilitation of the previous sand quarry sites (sites B and C) and rehabilitation disused portions of the existing sandstone quarry (site A).

Aspect	Existing	Proposed
Rate of Production	100,000 tpa at each of Sites A, B and C (NB Sites B and C now exhausted)	500,000 tpa at Sly's Quarry (ie Site A)
Quarry Life	Unspecified	25 years
Employees	 3 full-time employees 	 8 full-time employees
	1 truck driver	 1 truck driver (otherwise contractors used)
Hours of Operation	 Quarry 7:00 am - 5:00 pm Monday to Friday and 7:00 am - 1:00 pm Saturday Blasting 9:00 am to 3:00 pm Monday to Friday On-site equipment maintenance allowed on Saturdays, Sundays and public holidays subject to prior notification to Council 	 Quarry 6:30 am – 6:00 pm Monday to Friday and 7 am – 4:00 pm Saturday Crushing of rock and loading/dispatch of trucks from 7:00 am Blasting: 9:00 am to 3:00 pm Monday to Friday One truck to return to site outside of hours
Number of Blasts	Up to three per month	Up to two per month
Blasting Hours	9:00 am – 3:00 pm Monday to Friday and no blasting on weekends or public holidays	
Quarrying Methods	Excavation, drill and blast, load and haul	No change
Processing Methods	Rock crushing, screening and washing on site	No change
Maximum Daily Vehicle Movements ¹	160-180 truck movements from Site A and 100 truck movements from Sites B and C per day (total truck movement of up to 280 trucks under full production of all three sites)	 Iaden from the quarry) from Site A Returning trucks permitted to deliver imported
Quarry Development	Quarry floor level 44 m AHD	No change
Sequence of Extraction	Stage 1 (6.9 ha) will extract 2.3 million tonnes	 Stage 2 (5.7 ha) would extract 2.8 million tonnes in two sub-stages (Stage 2 north and Stage 2 south)
		 Stage 3 (5.4 ha) would extract 1.8 million tonnes in two sub-stages (Stage 3 north and Stage 3 south)
Importation of material	Importation of sand and clay to mix with crushed rock and meet customer specifications (eg RMS)	 Continue to import sand and clay to meet customer specifications Import topsoil (10,000 tpa) and mulch (5,000 m³ per annum) for use in rehabilitation
Infrastructure	 site office and pump-out tollet machinery shed bunded oil shed weighbridge 12,000 litre fuel bowser water tanks electricity generator 	No change

Figure 1-2 Sly's Quarry Expansion Project (Department of Planning and Environment, 2016)

An Environmental Impact Statement (EIS) was developed as part of the DA submission for the Project and was placed on Public Display from 18th May to 17th June 2015, inviting stakeholders to comment on the Project. A response to submissions (RTS) was prepared between October 2015 and January 2016. Following the RTS, Newman Quarrying updated the Biodiversity Assessment Report in February 2016. The Department of Planning and Environment (DPE) reviewed the updated reports and approved the Project, which was classified as a State Significant Development (SSD) (SSD – 6624) in April 2016, subject to Conditions of Consent (CoC).

NGH Slys Quarry Expansion Project AEXI STAGE 2 2,7ha Ig Extractio STAGE 1 Plt Floor (RL 44 2 DP 1055044 26,819ha STAGE 3 3.2h te Une g

Figure 1-3 Expansion Project site layout (taken form Consolidated Consent 6624)

1.1.2. **Project modification**

A Modification Application (Mod 1) was submitted to DPE in accordance with Section 96(2) of the Environmental Planning and Assessment Act 1979 (EP&A Act) in July 2017. Newman Quarrying sought approval to modify Condition 8(b), Schedule 2 of SSD-6624 relating to vehicular movements at Sly's Quarry. It was proposed that heavy vehicles accessing the site was increased from 125 (250 truck movements) to 150 (300 truck movements) per day during construction of the Pacific Highway Upgrade Project (PHUP). It was also proposed to modify the benches of the extraction pit from 10 metres (m) high by 10 m wide to 15 m high by 8 m wide. The modification was approved on 19 October 2017 allowing for:

- increased daily truck numbers to 150 during the Woolgoolga to Ballina Pacific Highway Upgrade
- amending the benching details •
- revising the wording of some conditions.

Development consent incorporating the above modification and the existing conditions of consent is referred to hereafter as the Consolidated Consent.

1.1.3. **Environmental Protection Licence (EPL)**

Newman Quarrying hold an Environment Protection Licence (EPL) 11649, required under the Protection of the Environment Operations Act 1997 (PoEO Act), Section 55. The EPL was granted to Newman Quarrying in November 2002.

Since 2002, the EPL has been modified three times. The most recent modification (variation 1599815) was issued in September 2020. Table 1-2 below describes each EPL modification in more detail.

Slys Quarry Expansion Project

NGH

Table 1-1 Environmental Protection Licence (11649) modification history

Date/ Variation No.	Variation to EPL 11649 details
2 October 2017/ 1557486	In September 2017 the EPA (Environmental Protection Authority) inspected the premises. Issues requiring follow up action were outlined and the EPA proposed that the follow up actions be formalised in a Pollution Reduction Program (PRP) on the licence.
	In October 2017 the EPA varied licence No. 11649 to include PRP – Truck wash & Fuel Storage.
14 October 2019/ 1583754	In October 2019 the EPA issued a variation to the licence for the purpose of removing a completed pollution reduction program from the licence. This variation is for internal administrative purposes and was not issued to the licensee.
14 September 2020/ 1599815	In September 2020 the following variations were made to the licence:
	 The fee-based activity was changed from Land-based Extractive to Extractive Activities: Added conditions L2.10 which set out a process for utilising a turbidity (NTU) correlation for determining sediment basin water quality; Added conditions L2.11 which relates to controlled discharges; Added conditions 05.10 and 05.11 relating to the process and management of sediment basins; Added condition L5.1 which requires the licensee to maximise the reuse of captured stormwater on site; Condition L5.6 relates to the process providing guidance on monitoring air-blast overpressure and ground vibration; Added condition L5.7 which requires the licensee to maximise the reuse of captured stormwater on site; Added condition L5.7 which requires the licensee to maximise the reuse of captured storepressure and ground vibration; Added condition L5.7 which requires the licensee nual reporting of extraction amounts (also communicated via letter to Newman Quarrying Pty Ltd dated 13 March 2020); L2.9 The licensee must develop and implement a method to enable the ongoing verification of the relationship between NTU and TSS. (note: this is only required if the licensee uses turbidity (NTU) in place of total suspended solids (TSS) to determine compliance with Conditon L2.4. Newman Quarrying Pty Ltd currently use TSS; L2.10 The licensee must provide the EPA with any amendments the licensee makes to the statistical correlation and supposible to require any amendments the licensee makes to the statistical correlation required by Condition L2.7 before using the revised statistical correlation has in marker) that identifies the upper level of the sediment storage zone; O5.10 Each sedimentation basin marker) that identifies the upper level of the sediment storage zone; O5.11 Whenever the level of liquid and other material in any sedimentation basin marker) that identifies the u

1.2. Audit objectives

The objective of this Independent Audit is to assess compliance with the conditions of consent.

1.2.1. Audit scope and period

The scope of the audit will include:

- An assessment of compliance of all the conditions of consent relevant to the works at the time of the audit (as detailed in Appendix B).
- An assessment of the adequacy and implementation of the site environmental management plans including:
 - Schedule 3, Condition 5 Noise Management Plan (NMP)
 - Schedule 3, Condition 10 Blast Management Plan (BMP)
 - o Schedule 3, Condition 14 Air Quality Monitoring Program (AQMP)
 - o Schedule 3, Condition 20 Soil and Water Management Plan (SWMP)
 - Schedule 3, Condition 24 Traffic Management Plan (TMP)
 - Schedule 3, Condition 31 Biodiversity and Rehabilitation Management Plan (BRMP)
 - Schedule 3, Condition 40 Bushfire Management Plan (BMP)
 - Schedule 5, Condition 1 Environmental Management strategy (EMS)
 - EPL 11649, O.4 Pollution Incident Response Management Plan (PIRMP).
- An assessment of performance of the project in relation to implementation of environmental plans.

The audit scope was developed by reviewing the SSD-6624 Conditions, EPL 11649 and the Independent Audit Post Approval Requirements (2020).

The audit period covered 22 April 2021 to 28 April 2023.

2. Audit methodology

The audit comprised desktop document review; site inspection and onsite document review and post- site inspection analysis and reporting. An audit plan was provided to the auditee prior to the site audit detailing the timing of the audit and requirements regarding accessing the site and documentation (refer Appendix C). These components are further expanded below:

2.1. Selection of the audit team

Newman Quarrying nominated Oliva Merrick as the Independent Auditor for this project and provided her CV and independence declaration to DPE on 28th March 2023. Olivia was approved by DPE as the Independent Auditor on the 31st March 2023 (refer Appendix D).

The audit team comprised these members:

- Olivia Merrick Lead Auditor
- Whitney Heiniger Support Auditor
- Natascha Aren Technical and QA Review

2.2. Independent audit scope development

The audit scope was developed by reviewing the SSD-6624 Conditions, EPL 11649 and the Independent Audit Post Approval Requirements (2020). Although the Project is not expressly required to have the IEA undertaken in accordance with this requirement (as the Independent Audit Post Approval Requirements were



developed after the determination of the Project), they were used generally as a benchmark for conducting independent audits in NSW.

The audit comprised an offsite document review; site inspection, onsite document review; and offsite audit analysis and reporting. An audit plan was provided to the auditee prior to the site audit detailing the timing of the audit and requirements regarding accessing the site and documentation.

2.3. Compliance evaluation

The audit consisted of desktop document review undertake offsite, onsite document review, site inspection and interviews. The offsite document review was undertaken prior to the site component of the audit with further request for information following the site inspection. The site component of the audit included:

- Opening meeting to introduce all parties and discuss the scope and objectives of the audit
- Document and records review to check compliance with conditions
- Interviews with staff including construction site personnel
- Site inspection
- Closing meeting to summarise the findings of the site audit and to discuss additional audit evidence required.

The document review included a review of the Conditions of Approval relevant to the stage of works of the Project and all management plans and sub plans. The audit table was developed and refined and submitted to Newman Quarrying (Appendix B).

An Opening Meeting was held on 28 April 2023 at 08:30am.

Present at the opening meeting were:

- Mark Newman (Quarry Operations Manager)
- Olivia Merrick (Auditor); and
- Whitney Heiniger (Auditor)

Document review occurred throughout the day and offsite until report completion.

2.4. Site interviews

Interviews with staff were undertaken throughout the course of the site audit and to gather evidence during offsite document review including:

• Mark Newman (Quarry Operations Manager).

2.5. Consultation

As part of the audit NGH and Newman Quarrying consulted with the Department of Planning and Environment (DPE), to ascertain if there were any specific environmental issues that should be investigated during the IEA. Relevant regulatory stakeholders were also contacted, those approached were Departments required to be consulted or to review and approve management plans required in the conditions of consent for the site. Specifically:

- Department of Planning and Environment (DPE);
- NSW Environment Protection Agency (EPA);
- Department of Regional New South Wales (DRNSW, formerly Department of Planning Industry and Environment Fisheries);
- Transport for New South Wales (TfNSW); and
- Clarence Valley Council (CCV).

Slys Quarry Expansion Project



Email responses from the consultation process are included in Appendix E and summarised in Section 3.7.

2.6. Compliance status descriptors

It should be noted that the Conditions of Consent for the Project do not reference the Independent Audit Post Approval requirements (DPIE 2020). However, the compliance status descriptors from DPIE (2020) have been used to assess compliance.

Table 2-1: Compliance status descriptors

Status	Description
Compliant (C)	The auditor has collected sufficient verifiable evidence to demonstrate that all elements of the requirement have been complied with within the scope of the audit.
Non-compliant (NC)	The auditor has determined that one or more specific elements of the conditions or requirements have not been complied with within the scope of the audit.
Not triggered (NT)	A requirement has an activation or timing trigger that has not been met at the time when the audit is undertaken, therefore an assessment of compliance is not relevant.

3. Audit findings

The following documents were reviewed to check compliance with conditions or for implementation of plans. The documents relevant to this audit included:

Design plans and Approval documentation

- Consolidated Consent SSD-6624
- Environmental Protection Licence 11649

Correspondence

- DPE response to IEA 2017;
- DPE response to IEA 2021;
- DPE letter approved of TMP (Rev 5), including authroir
- DPE letter approval of SWMP (Rev 5)

Reports and plans

- 2020/2021 Annual Report (GHD)
- 2021/2022 Annual Report (GHD)
- Air Quality Monitoring Program (AQMP)
- Blast Management Plan (BMP)
- Biodiversity and Rehabilitation Management Plan (BRMP)
- Bushfire Management Plan (BMP)
- Environmental Impact Statement (GHD, 2015)
- Environmental Management Strategy (EMS)
- Heritage Management Plan
- Nest Box Management Plan

Slys Quarry Expansion Project



- Noise Management Plan (NMP)
- Pollution Incident Response Management Plan (PIRMP)
- Soil and Water Management Plan (SWMP)
- Traffic Management Plan (TMP)
- IEA 2017
- IEA 2021

Design certification, record, monitoring and Inspections

- Vegetation pre-clearing reports
- Dust monitoring report
- Blasting results chart and records
- Complaints register
- Noise monitoring
- Truck movement table
- Water quality monitoring results
- Nest-box monitoring reports
- Weekly inspection records

3.1. Compliance performance

The audit found three (3) non-compliances from a total of 84 Conditions of Approval. The document review found that Environmental Management Plans and sub plans are relevant to the site and are generally being implemented (refer Table 3-3 below for more detail on management plan implementation).

Condition Part Compliant **Non-Compliances** Not triggered Schedule 2 17 1 3 Schedule 3 38 2 1 Schedule 4 2 Schedule 5 14 1 4 Appendix 4 _ Appendix 5 1

Table 3-1 Statutory instrument (Conditions of Consent 7098) audit classification status

Note: In relation to the tally above whole conditions of consent have been used to generate the tally. i.e. where a condition contains part a), b), c) etc this has been counted as one condition.

3.2. Summary of agency notices, orders, penalties or prosecutions

Sly's Quarry was impacted by the Myall Creek Bushfire, that burnt 20th and 21st November 2019. Remnant vegetation adjoining the quarry burnt in varying degrees of severity. The quarry was evacuated and no significant injuries or damage to property was sustained. Based on this catastrophic natural disaster, an

Slys Quarry Expansion Project



extension of time was requested by Newman Quarrying and was approved by DPE, for the IEA to be delayed until June 2021. This was granted by DPE subject to the next scheduled IEA being completed by 30 June 2023 (refer to Appendix F for Secretary's nominee's direction).

Outside of that direction from the Secretary, there were no agency notices, orders, penalty notices or prosecutions within the audit period at the time of reporting.

3.3. Non-compliances

Three (3) non-compliances were raised in this audit against the conditions of consent (6624). Refer Table 3-2 below for more detail.

Note: In relation to the tally for Table 3-2, whole conditions of consent have been used to generate the tally. i.e. where a condition contains part a), b), c) etc this has been counted as one condition.

Where the identified non-compliance is relevant to details contained within a specific management plan, this is further described within table 3-3 overleaf. Suggested management actions have also been attributed to each identified non-compliance.

Slys Quarry Expansion Project



 Table 3-2
 Conditions of Consent 6624, summary of non-compliances

#	Assessment requirement	Comment	Audit classification	Response/ Action		
Sched	chedule 2					
2 (b)	The Applicant shall carry out the development generally in accordance with the conditions of this consent and the Development Layout Plans.	The audit found NC's against Consent Conditions as below, therefore the development has not been carried out in accordance with the full conditions of consent	NC	Complete actions listed below		
Sched	ule 3		1	•		
21	The Applicant must implement the approved Soil and Water Management Plan as approved from time to time by the Secretary.	Soil and Water Management Plan (SWMP, Rev 5), was prepared and approved in December 2022 to the satisfaction of the Secretary, however the audit found that site practice does not comply with one mitigation measure within the SWMP: Mitigation measure SW02	NC	Refer Table 3-3 below.		
31 (h)	The Applicant must prepare a Biodiversity and Rehabilitation Management Plan for the development to the satisfaction of the Secretary. This plan must: include a detailed description of the measures that would be implemented over the next 3 years (to be updated for each 3 year period following initial approval of the plan)	The Biodiversity and Rehabilitation Management Plan (BRMP, Rev 0) was prepared in 2017 to the satisfaction of the Secretary. Since this date, at the time of audit no further revisions to the BRMP that had been approved by the Secretary, were available. It is noted that while no further BRMP revisions had been approved by the Secretary, revisions had been prepared by GHD in 2018, 2019 and 2022. In May 2023 a revised BRMP document (Rev 6) had been submitted for DPE review, and this was approved (18 th May 2023).	NC	BRMP (Rev 6) approval has been received from the Secretary (May, 2023). Ensure this document is updated every 3 years (on/ before May 2026).		

Independent Audit Slys Quarry Expansion Project

NGH

#	Assessment requirement	Comment	Audit classification	Response/ Action
31 (h)	 including the procedures to be implemented for: establishing vegetation screening to minimise the visual impacts of the site on surrounding receivers. 	The Biodiversity and Rehabilitation Management Plan (BRMP, Rev 0) was prepared in 2017 to the satisfaction of the Secretary, however the BRMP document reviewed at the time of the audit, lacked this detail. It was noted that at the time of reporting, a revised BRMP document (Rev 6) was prepared and approved (18 th May 2023). A revised mitigation measure contained within Table 4-1 Environmental controls and mitigation measures was inserted to address this requirement (newly created B13).		
31 (h)	• ensuring no obstruction of legal public access along the Crown public road referred to as 'Slys Road' in accordance with public rights of access under the Roads Act 1993.	The Biodiversity and Rehabilitation Management Plan (BRMP, Rev 0) was prepared in 2017 to the satisfaction of the Secretary, however the BRMP document reviewed at the time of the audit, lacked this detail. It was noted that at the time of reporting, a revised BRMP document (Rev 6) was prepared and approved (18 th May 2023). A revised mitigation measure contained within Table 4-1 Environmental controls and mitigation measures was inserted to address this requirement (newly created B14).		
31 (h)	• controlling access to Slys Road, including managing public safety risks associated with rights of access over Slys Road by installing appropriate fencing and signage.	The Biodiversity and Rehabilitation Management Plan (BRMP, Rev 0) was prepared in 2017 to the satisfaction of the Secretary. however the BRMP document reviewed at the time of the audit, lacked this detail. It was noted that at the time of reporting, a revised BRMP document (Rev 6) was prepared and approved (18 th May 2023). A revised mitigation measure contained within Table 4-1 Environmental controls and mitigation measures was inserted to address this requirement (newly created B15).		
32	The applicant must implement the approved Biodiversity and Rehabilitation Management Plan	The Biodiversity and Rehabilitation Management Plan (BRMP, Rev 0) was prepared in 2017 to the satisfaction of the Secretary, however at the time of the site inspection, the audit found that site practice does not comply with five mitigation measures	NC	Refer Table 3-3 below.

Independent Audit Slys Quarry Expansion Project

NGH

#	Assessment requirement	Comment	Audit classification	Response/ Action
	as approved from time to time	within the approved BRMP (Rev 0, 2017):		
	by the Secretary.	Mitigation measure B7		
		Mitigation measure B8		
		Mitigation measure B9		
		Mitigation measure B13		
		Mitigation measure B14		

Slys Quarry Expansion Project

NGH

Table 3-3 Summary of management plan implementation findings

Assessment requirement	Comment and action / response recommendation
Schedule 3, Condition 21 The applicant must implement the approved Biodiver	sity and Rehabilitation Management Plan
Soil and Water Management Plan (Rev 5, 2022) Mitigation measure SW02 Remove soil and stockpile for use in the rehabilitation works. Place stockpiles in a cleared area at least 20 m from a drainage line. Install a diversion bund immediately upgradient and a sediment fence immediately downgradient. Seed the stockpile with sterile grass cover to stabilise it.	Stockpiles inspected during the site audit have been well managed and are stabilised with establishing vegetation. Diversion bunds and sediment fencing is absent as the risk of soil loss from the stockpiles has been mitigated via vegetation cover. SWMP Rev 5 to include updated measure: Remove soil and stockpile for use in the rehabilitation works. Place stockpiles in a cleared area at least 20 m from a drainage line. Install a diversion bund immediately upgradient and a sediment fence immediately downgradient of stockpiles, until vegetation is established. Seed the stockpile with sterile grass cover to stabilise it.

Schedule 3, Condition 32

The applicant must implement the approved Biodiversity and Rehabilitation Management Plan

Biodiversity and Rehabilitation Management Plan (Rev 0, 2017)	At the time of audit inspection, BRMP Rev 0 (2017) was the approved plan used for audit purposes.
Mitigation measure B7 The limits of clearing are to be clearly marked by protective fencing (i.e. 'no-go' areas)	No protective fencing was installed, however the limits of clearing were clearly marked. During the vegetation clearing, while there was no protective fencing installed, the limits of clearing however, were marked by flagging. No reported overcleaning incidents were reported for the audit period. BRMP to be updated to remove the requirement for
	"protective fencing" as current site practice is sound to remove the potential for environmental harm.
Biodiversity and Rehabilitation Management Plan (Rev 0, 2017)	At the time of audit inspection, BRMP Rev 0 (2017) was the approved plan used for audit purposes.
Mitigation measure B8	This mitigation measure was noted by Newman
Prior to clearing, collect seed for use in rehabilitation works, especially <i>Hibbertia marginata</i> .	Quarrying as a redundant requirement, due to the fact rehabilitation will not occur for approximately 20 years, therefore it is considered highly unlikely any collected seed would be viable in 20 years' time. It is noted that at the time of reporting, BRMP Rev
	6, had been updated and approved by DPE (18 th May 2023) to includes this measure:

Slys Quarry Expansion Project

NGH

Assessment requirement	Comment and action / response recommendation
	Twelve months prior to rehabilitation, collect seed from the area to use in rehabilitation works, especially <i>Hibbertia marginata</i> .
 Biodiversity and Rehabilitation Management Plan (Rev 0, 2017) Mitigation measure B9 Six months prior to clearing, engage an experienced ecologist to undertake a pre-clearing survey and prepare a Nest Box Management Plan (NBMP), in consultation with OEH. This is to include: Identifying areas of weeds to be controlled prior to clearing. 	Areas of weeds to be controlled prior to clearing are not included in pre-clearing surveys and the NBMP. Areas of weeds within the Expansion Project area (Stages 2 and 3) are not prevalent, therefore control was not deemed necessary. Subsequently, any commentary on this in the preclearing surveys and NBMP was also not captured. BRMP to be updated to revise the requirement to: Identifying areas of weeds to be controlled prior to clearing, <i>where applicable /</i> similar update, to capture weed control where required. Newman Quarrying to also consider a Management of Change Procedure, to capture the sound site- based practices, that are not consistent or reflected within approved management plans.
Biodiversity and Rehabilitation Management Plan (Rev 0, 2017) Mitigation measure B13 Clearing is to be supervised by an experienced ecologist and a Clearing Report prepared	'Clearing Reports' were not provided nor were they prepared for the vegetation clearing areas, due to the fact that 'Pre-clearing' and 'Clearing Reports' had been combined into one report. BRMP to be updated to clarify/ rationalise what is required by a "six months prior to clearing, pre- clearing survey" (B9); "pre-clearing survey within 48 hours of clearing survey" (B11); and a "clearing report" (B13) to ensure these mitigation measures can be achieved on ground.
Biodiversity and Rehabilitation Management Plan (Rev 0, 2017) Mitigation measure B14 Prior to clearing, contact the local veterinarian to warn them their assistance may be required if any wildlife are injured during clearing.	Anecdotal evidence suggest that this was undertaken prior to clearing in 2021, however was discontinued due to apparent lack of interest by local veterinarians. BRMP to be revised to include updated measure: Prior to clearing, contact the local veterinarian/ WIRES to warn them their assistance may be required if any wildlife are injured during clearing. In the event fauna are injured, fauna rescue and/or relocation can only be carried out by the Project Ecologist who is suitably trained, certified, licenced and experienced to handle and relocate wildlife.

Slys Quarry Expansion Project



3.4. Previous audit recommendations

The 2021 IEA included a site inspection that was completed 21st April 2021. The subsequent audit report was made available in June 2021. The 2021 audit identified four non-compliances. Thes NCRs are listed below along with their status below in Table 3-1.

Location	Environmental issue	Comment	Status
Underground waste oil storage container	Soil and Water (chemical and fuel storage)	The underground tank for waste oil requires additional measures to protect the above-ground pipe/funnel from inadvertent damage from vehicles or other machinery.	Closed
Vehicle Washdown bay	Soil and Water (sedimentation)	Non-compliance was found in relation to the need to remove the build-up of sand/sediment in the small basin associated with the vehicle washdown area. A regular program for removal of built-up sand/sediment in this basin should be implemented.	Closed, ongoing
Entrance off Tullymorgan- Jackybulbin Road	Traffic and Transport	The access road requires repair works to address potholing / cracked bitumen seal and slightly rutted underlying pavement at the entrance off Tullymorgan-Jackybulbin Road.	Closed
Onsite Sewage Management System	Waste Management	The Land Application Area was overgrown and therefore difficult to inspect.	Closed, ongoing

Table 3-4 Independent Environmental Audit (2021) findings

3.5. Environmental plans, subplans and post approval documents

A summary of the implementation of key management plans relevant to this stage of works is provided below.

The suite of environmental management plans includes:

- Consolidated Consent 6624:
 - o Schedule 3, Condition 5 Noise Management Plan (NMP)
 - o Schedule 3, Condition 10 Blast Management Plan (BMP)
 - Schedule 3, Condition 14 Air Quality Monitoring Program (AQMP)
 - o Schedule 3, Condition 20 Soil and Water Management Plan (SWMP)
 - Schedule 3, Condition 24 Traffic Management Plan (TMP)
 - o Schedule 3, Condition 31 Biodiversity and Rehabilitation Management Plan (BRMP)
 - o Schedule 3, Condition 40 Bushfire Management Plan (BMP)
 - o Schedule 5, Condition 1 Environmental Management strategy (EMS)
- EPL 11649 and associated strategies/ plans:

• EPL O.4 - Pollution Incident Response Management Plan (PIRMP).

3.5.1. Noise Management Plan (Schedule 3, Condition 5)

Operational activities with the potential to generate noise at Sly's Quarry were monitored via weekly and ad hoc environmental inspections carried out by the Operations Manager. The environmental performance of the site has also been reported on annually, within each financial years' Annual Report (GHD, 2021; GHD, 2022).

Historically (i.e. 2018 to 2020), noise monitoring conducted showed consistent trends within the relevant noise criteria. Based on this, Newman Quarrying requested that noise monitoring cease. In the event of a justifiable noise complaint or a change in operating conditions that would be likely to increase noise levels from the site, noise monitoring would recommence. This request was approved by DPE in October 2018. Subsequent to this, the NMP was revised to include this change in monitoring requirements and the revised NMP approved by the Department in September 2020.

3.5.2. Blast Management Plan (Schedule 3, Condition 10)

Blasting was undertaken during the audit period by a Blasting Contractor managed by the Quarry Operations Manager. There were no blasts scheduled on the date of site inspection (28th April 2023) however a review of the Blast Management Plan, blast monitoring results and site interview with the Quarry Operations Manager revealed a sound understanding of the blast criteria and safety requirements to be implemented associated with blasting activities. No exceedances of criteria or complaints were received during the audit period regarding noise or vibration concerns.

3.5.3. Air Quality Management Plan (Schedule 3, Condition 14)

Air quality was managed onsite by a variety of mitigation measures, as detailed within the Air Quality Management Plan. This was verified by the weekly and ad/ hoc environmental inspections undertaken by the Operation Manger. Air quality mitigation measures typically focussed on the reduction of dust and emissions as the primary air quality risk. Mitigation measures to ensure machinery exhaust is not excessive were also undertaken by visual inspections captured in the environmental inspections, in addition to regular maintenance for plant and machinery (regular mobile mechanic). A review of the inspections revealed that dust and air quality mitigation measures for the Project have been effective, with the majority of controls operating soundly. Vehicle/ plant maintenance requirements are undertaken by a mobile mechanic to regularly maintain the operational machinery and equipment.

3.5.4. Soil and Water Management plan, (Schedule 3, Condition 20)

The mitigation measures identified within the Soil and Water Management Plan (SWMP) were observed as generally being upheld across the site during the site inspection component of the audit. This was further verified by the regular environmental inspections undertaken by the Quarry Operations Manager.

There was an absence of topsoil stockpile sediment fencing, owing to stockpiles having been stabilised by vegetation cover (refer Section 3.3 above for more detail).

Surface water sampling for the site would be triggered following a greater than 10 mm rain event in a 24 hour (hr) period. Surface water samples are also required to be taken at least once every quarter, if not already triggered by the greater than 10mm in 24 hr requirement. Water quality results were viewed for the audit period and showed to be a consistently within the required criteria. Surface water within the site is effectively managed via the site drainage channels, that discharge to the main sediment basin on site.

Groundwater has not been historically encountered on the quarry floor, therefore the risk of direct impacts to groundwater quality from operations is considered to be low. Regardless, groundwater levels had been monitored annually at three groundwater wells. Conductivity and pH were recorded with groundwater from all three wells indicating freshwater expressions, tending to slightly acidic (5 to 6.3pH). Groundwater will continue to be monitored each year and any trends in data would be reviewed at the next Annual Report and/ or IEA as appropriate.

3.5.5. Traffic Management Plan (Schedule 3, Condition 24)

Quarry traffic management was compliant with the mitigation measures required under Condition 24. With regards to Condition 8 (c) and 8 (d), Newman Quarrying received approval from the DPE to commence trucking at a rate of 150 laded trucks per day 21st September 2022. This has been reflected within an updated TMP (Rev 5). The audit found that there was one queried incidence if 128 truck movements (6th September 2022), occurring after the completion of the PHUP and prior to receiving approval from DPE to increase laden truck movements to 150 per day. On further inspection however, four (4) of these loads were found to be firewood, taking the total laden truck movements of quarry product, down to 124 for that day (Condition 8, Quarry Product Transport).

All traffic related mitigation measures were found to be adhered to, with an updated driver's code of conduct (DCoC) included in the revised TMP with the Quarry Operations Manager having a sound understanding of the DCoC detail.

3.5.6. Biodiversity and Rehabilitation Management plan (Schedule 3, Condition 31)

During the audit period, to advance sandstone resources within the expansion area, vegetation clearing followed a "two-phased" process. Non-hollow bearing vegetation was cleared first, left for at least 48 hours (for resident fauna to relocate), and then hollow bearing trees were removed. Felled timber was stockpiled for future revegetation works. These activities were recorded via "pre-clearance surveys" undertaken by qualified GHD ecologists, reviewed during the audit process.

Vegetation was cleared from:

- Site 2 north (0.7ha of a total 2.7ha area);
- Site 2 south (2.5ha of a total 3.1 area); and
- Site 3 south (2.3 ha of a total 3.2ha area)

Following clearing, extraction commenced in Stage 2 (south). The audit found that Stage 2 north was abandoned for extractive activities, due to the wet nature of the site. The site was too wet to access and only non-hollow bearing vegetation was removed prior to works being called off in that area. Pre-clearance surveys were sighted for the removal of non-hollow-bearing vegetation. Hollow bearing vegetation is still intact in this area and a vegetated understorey has begun to regenerate. Stage 3 had been cleared however extraction had not commenced at the time of site inspection.

Following vegetation removal, topsoil was stripped (where applicable, some areas contained leaf litter and vegetation debris with limited soils) and available topsoil was stockpiled for later use in revegetation works.

The process for rehabilitation was found to follow these steps: once extraction is completed in an area, it is rehabilitated, mainly via respreading topsoil to allow for natural regeneration to occur. The Rehabilitation and Biodiversity Plan outlines revegetation techniques required and these are aligned to the practices observed being undertaken on site.

Rehabilitation is generally managed in accordance with the Consent Conditions, reflected in the Biodiversity and Rehabilitation Plan (GHD, 2017). The audit found on occasions that site practice did not reflect what was detailed within the BRMP (refer Section 3.3 above for more detail). Irrespective of this, Area C was reported

Slys Quarry Expansion Project



during the 2020-21 Annual Report (GHD, 2021) to be successful, based on visual inspections and aerial photographic analysis.

A total of twenty (20) additional nest boxes were installed in the southern nest box zone (September 2021). These nest boxes are located to the east of the quarry maintenance shed.

The required 6 monthly nest box monitoring events were also viewed and these were undertaken across 2021, 2022 and 2023.

3.5.7. Bushfire Management Plan (Schedule 3, Condition 40)

Bushfire mitigation measures were monitored and maintained as required by the Quarry Operations Manager. Access roads and trails (drainage, surface conditions, vegetation presence) were regularly inspected by the Quarry Operations Manager and maintained as needed. Asset inspections and seasonal bushfire preparedness was completed, with fire drill information viewed also (site induction package).

3.5.8. Environmental Management Strategy (Schedule 5, Condition 1)

The Environmental Management Strategy (EMS) for the Project sets out the framework for the environmental management of site operations. The EMS identifies and documents the key environmental risks and mitigation measures outlined in the Development Consent and the EIS that must be implemented to ensure that the environmental objectives and legal obligations are met.

The audit found that site practice was sound in preventing and/ or minimising environmental harm; generally in accordance with the requirements of the environmental management planning documentation (refer Section 3.3. above for more detail).

The audit found that in accordance with the EMS, regular environmental training and awareness packages were rolled out to employees (threatened species information, bushfire preparedness and pollution incident preparedness/ response as three examples viewed), training records were kept current, the environmental incident process was clear, the complaints process was established and operating (nil complaints for the audit period), and environmental inspections were being undertaken as was required environmental monitoring (water quality, biodiversity, blast vibration).

In summary, the audit found that site practices were in accordance with the framework established under the EMS, to enable sound environmental management, monitoring and record keeping, for the Project.

3.5.9. Pollution Incident Response Management Plan (EPL 11649, O.4)

The Pollution and Incident Response Plan (PIRMP) was sighted in written form at the Quarry Operations site shed, available to all quarry personnel. The PIRMP was also found publicly available on the quarry website.

The PIRMP sets out to identifying foreseeable hazards associated with operations and lists controls necessary to eliminate or reduce identified risks. The audit found that the identified major risks of land and/ or water contamination, unlicensed water discharge and bushfire risks, were managed adequately on site via existing site controls i.e. adequate storage of small-scale volumes of hazardous materials, sufficient drainage, erosion and sediment controls to prevent the uncontrolled offsite discharge of turbid water and effective sewerage/ effluent waste management. The audit also found that the PRIMP was well communicated to personnel with regular training to detail pollution incident preparedness and response drills undertaken as required (refer above Section 3.5.8).

3.5.10. Site inspections incidents and other records

The audit found that weekly inspections were being carried out regularly for the audit period. There was evidence that actions were being tracked through to close out.

Ongoing environmental monitoring was conducted:

- Surface water sampling, daily rain records;
- Blast monitoring; and
- Rehabilitation and nest box monitoring (nest boxes monitored every 6 months for 5 years).

There were no reportable environmental incidents for the audit period.

3.5.11. Stakeholder, community engagement and complaints

The Newman Quarrying website is the key location for the community to access information on the Project with contact details also found on the website. The website is updated approximately bi-annually, with monitoring results uploaded under the 'Files' section.

It is noted that the website although listing details of who to contact within the business, it is not immediately evident how to lodge a complaint when viewing the website. Adding detail on who to contact within the business for information and/ or to lodge a complaint, is recommended.

A review of the complaints register found that there have been no complaints in this audit period.

3.6. Environmental performance

Environmental performance was largely measured by regular environmental inspections. The regular inspections showed a consistent trend of sound environmental management practice with nil reportable environmental incidents or complaints for the audit period. The audit found that environmental inspections were occurring.

3.7. Environment Protection Licence (EPL 11649)

The audit found Newman Quarrying to be operating within the limits and requirements as set out within EPL 11649. Refer Appendix B for more detail.

3.8. Consultation outcome

Newman Quarrying has supported a number of environmental compliance inspections, owing in part to the combined interest in the Project from a number a government departments (DPE, DRNSW, EPA and TfNSW). Additionally, Consolidated Consent conditions stipulate a requirement for annual reports and independent environmental audits every three years. A summary of such inspection is provided below:

- Independent environmental audit was conducted in April 2021 (Tim Fitzroy and Associates). The audit reported four (4) non-compliances, which have since been rectified. Refer Section 3-4 for more detail;
- Annual report Two (2) annual inspections were completed by GHD on behalf of Newman Quarrying, for financial year 2020/21 and financial year 21/22. These annual inspections produced annual reports; required under Consolidate Consent (Schedule 5, condition 10) with no noted compliance issues;
- Department of Planning and Environment inspection DPE visited site in the first quarter of 2023, to inspect recent clearing works and gather compliance information. At the time of reporting, no formal

Slys Quarry Expansion Project



response form the Department had been received by Newman Quarrying regarding the inspection. Refer below for more detail.

Environmental Protection Authority inspection – The EPA visited site in the first quarter of 2023. At
this time the main sediment basin was visited and the process for emptying the main sediment basin
following rainfall was discussed. A mechanism for testing for spills/ leaks in the underground waste
oil storge container was also raised with Newman Quarrying. At the time of reporting, no formal
response from the EPA has been received by Newman Quarrying. Refer below for more detail.

Relevant regulatory stakeholders were contacted, those approached were Departments required to be consulted or to review and approve management plans required in the conditions of consent for the site (refer Appendix E). Specifically:

Consultation was initiated March 2023 during the preparatory phase of the IEA with the DPE, EPA, DRNSW and CVC, prior to the site inspection to obtain feedback and draw attention to any key issues, within the agreed scope of the audit (i.e. Consolidated Consent SSD-6624). In each case either and email and/ or a phone conversation was made to representatives of each agency requesting feedback on those issues considered most relevant by their department at the time of the audit. At the time of reporting, responses had been received from:

- Department of Regional NSW:
 - Concerns in relation to sedimentation and other water quality impacts such as changes in pH and thermal pollution and increased/decreased flow regimes.

IEA response: water quality monitoring results required as part of the Project were within Consolidated Consent and EPL parameters.

- Department of Planning and Environment:
 - Interest surrounding the recent clearing activities, partial extraction and staged clearing sequence were raised.

IEA response: refer Table 3-2, Table 3-3 and Section 3.5.6 above.

- Environmental Protection Authority:
 - The main sediment basin that captures site runoff any discharge from the sediment basin that occurs as a result of rainfall below the 5-day total of 75mm, is required to meet the limit conditions specified in the EPL conditions (i.e L2.4). Pumping during a significant rainfall event is not required i.e storage capacity for the main sediment basin is required to be achieved within 5 days of the cessation of an "above design" (5-day 75mm) rainfall event. <u>IEA response:</u> this process was understood, water quality results were within EPL parameters.
 - The below ground waste oil storage tank held concerns for operations to be able to detect leaks. Current practice allows for a test pit down-gradient of the storage container to be sampled to evidence (or otherwise) of hydrocarbon presence.

IEA response: given the unlikely probability (steel container) and low risk (less than 500L per month of waste oil available to leak into subsurface), coupled with the viscous nature of the hydrocarbon product and an acceptable separation distance from groundwater, this practice is considered satisfactory. During decommissioning of the underground waste oil storage container, samples should be taken to inform any potential remediation action planning for the area should hydrocarbon impacted soils be discovered.

- Transport for NSW:
 - Verify that the approved development is operating in accordance with Schedule 2, Condition 8 and 8A.
 - Verify records of laden truck movements and the publication of such records in accordance with Schedule 3, Condition 22.
 - Review procedures relating to the management of vehicles under Schedule 3, Condition 23 to confirm appropriate measures are in place to ensure vehicles comply with requirements.

Slys Quarry Expansion Project



- Review the Traffic Management Plan (TMP) required under Schedule 3, Condition 24 of the consent to confirm that all required actions have been completed, in particular the upgrade of the site access to Tullymorgan-Jackybulbin Road and the adoption of a Drivers Code of Conduct.
- Review operating procedures to ensure that measures identified under TMP are being implemented as required under Schedule 3, Condition 25
 <u>IEA response</u>: refer Section 3.5.5 above.

3.9. Complaints

A review of the complaints registers found that there had been no complaints in this audit period.

3.10. Incidents

There were no reportable environmental incidents for the audit period.

3.11. Actual versus perceived impacts

The Sly's Quarry Expansion Project, Environmental Impact Statement (EIS) provides an assessment of the environmental impacts of the Project covering these main areas:

In general terms, the actual environmental impact from the Project for the audit period is far less than predicted in the EIS, mainly due to the fact the full extent of the expansion area has not been fully cleared nor has extraction commenced across the total disturbance footprint.

Further to this, extraction form the active quarry was less than predicted (less than 500 000tn) per annum for the audit period, meaning noise and vibration impacts would have been less than what had been assessed in the EIS (based on that 500 000 tn extraction rate).

3.12. Site inspection

The site inspection found the site to be well maintained. There was some minor litter at the wash bay (one soft drink can) and empty vehicle maintenance fluid receptacles (empty 10L bottles) which were removed and placed back in the workshop. Outside of this, key environmental controls appeared well maintained:

- Drainage controls in place and operating effectively
- Erosion and sediment controls were in place and maintained
- Waste management including waste separation and appropriate disposal of waste
- Waste oil disposal adequate
- Spill kits adequately stocked and sufficiently placed
- Hazardous material segregation
- Land application area (effluent waste) well maintained
- Dust suppression with a water cart as needed
- Clearly delineated site boundaries, clearing boundaries and environmental protection (No Go) zones.

Representative site photographs are provided in Appendix G.

3.13. Site interviews

Site interviews occurred with the Quarry Operations Manager during the course of the audit. The interviews found that the Operations Manager understood the requirements of the plans.

3.14. Improvements opportunities

The audit found that Newman Quarrying exhibits sound environmental management practices. It was noted, however, that non-compliances with project management plans were evident whereby the mitigation measures themselves in the management planning documentation, required deletion and/ or amendment.

It is therefore recommended that Newman Quarry consider drafting a Management of Change Procedure (MOC), to capture the sound site-based practices that are either not consistent or currently reflected, within approved management plans. The MOC process would also include a requirement to update the Plan(s) in question, to be reviewed and approved by DPE. This MOC process could be a simple one-page flow chart that includes steps to identifying the mitigation measure(s) that require amendment; updating the management plan; and the requirement for the updated management plan to then be approved by the DPE.

It was also noted that there is no clear way to lodge a compliant should anyone within the community wish to do so. Updating the front notice board and/ or the website with the contact details (presently clear and visible), plus how to a lodge a complaint, is recommended.

Aside from these two recommendations and closing out the non-compliance raised in this audit, there are no further improvement opportunities are identified.

3.15. Key strengths

The key strength of this project is the committed and knowledgeable Operations Manager. The Operations Manager has a good understanding of the conditions and has dedicated sufficient resources to manage the site. Newman Quarrying represents an owner-manager private business, with an economic imperative to operate to the satisfaction of NSW regulatory departments. This imperative was evident as demonstrated by the preparedness for the audit and comprehensive understanding of consent conditions and licencing requirements.

4. Recommendations

4.1. Summary of compliance and non-compliance against conditions

Three (3) non-compliances were raised in this audit.

Note: In relation to the tally, whole conditions of consent have been used to generate the tally. i.e. where a condition contains part a), b), c) etc this has been counted as one condition.

Slys Quarry Expansion Project



Table 4-1 Conditions of Consent 6624, summary of non-compliances

#	Assessment requirement	Comment	Audit classification	Response/ Action		
Sched	Schedule 2					
2 (b)	The Applicant shall carry out the development generally in accordance with the conditions of this consent and the Development Layout Plans.	The audit found NC's against Consent Conditions as below, therefore the development has not been carried out in accordance with the full conditions of consent	NC	Complete actions listed below		
Sched	ule 3		1			
21	The Applicant must implement the approved Soil and Water Management Plan as approved from time to time by the Secretary.	Soil and Water Management Plan (SWMP, Rev 5), was prepared and approved in December 2022 to the satisfaction of the Secretary, however the audit found that site practice does not comply with one mitigation measure within the SWMP: Mitigation measure SW02	NC	Refer Table 3-3 below.		
31 (h)	The Applicant must prepare a Biodiversity and Rehabilitation Management Plan for the development to the satisfaction of the Secretary. This plan must: include a detailed description of the measures that would be implemented over the next 3 years (to be updated for each 3 year period following initial approval of the plan)	The Biodiversity and Rehabilitation Management Plan (BRMP, Rev 0) was prepared in 2017 to the satisfaction of the Secretary. Since this date, at the time of audit no further revisions to the BRMP that had been approved by the Secretary, were available. It was noted that at the time of reporting, a revised BRMP document (Rev 6) had been submitted for and approved by DPE (18 th May 2023).	NC	Ensure BRMP document is updated every 3 years (on/ before May 2026).		

Independent Audit Slys Quarry Expansion Project

NGH

#	Assessment requirement	Comment	Audit classification	Response/ Action
31 (h)	 including the procedures to be implemented for: establishing vegetation screening to minimise the visual impacts of the site on surrounding receivers. 	The Biodiversity and Rehabilitation Management Plan (BRMP, Rev 0) was prepared in 2017 to the satisfaction of the Secretary, however the BRMP document reviewed at the time of the audit, lacked this detail. It was noted that at the time of reporting, a revised BRMP document (Rev 6) was prepared and approved by DPE (18 th May 2023). A revised mitigation measure contained within Table 4-1 Environmental controls and mitigation measures was inserted to address this requirement (newly created B13).		
31 (h)	• ensuring no obstruction of legal public access along the Crown public road referred to as 'Slys Road' in accordance with public rights of access under the Roads Act 1993.	The Biodiversity and Rehabilitation Management Plan (BRMP, Rev 0) was prepared in 2017 to the satisfaction of the Secretary, however the BRMP document reviewed at the time of the audit, lacked this detail. It was noted that at the time of reporting, a revised BRMP document (Rev 6) was prepared and approved by DPE (18 th May 2023). A revised mitigation measure contained within Table 4-1 Environmental controls and mitigation measures was inserted to address this requirement (newly created B14).		
31 (h)	• controlling access to Slys Road, including managing public safety risks associated with rights of access over Slys Road by installing appropriate fencing and signage.	The Biodiversity and Rehabilitation Management Plan (BRMP, Rev 0) was prepared in 2017 to the satisfaction of the Secretary. however the BRMP document reviewed at the time of the audit, lacked this detail. It was noted that at the time of reporting, a revised BRMP document (Rev 6) was prepared and approved by DPE (18 th May 2023). A revised mitigation measure contained within Table 4-1 Environmental controls and mitigation measures was inserted to address this requirement (newly created B15).		
32	The applicant must implement the approved Biodiversity and Rehabilitation Management Plan as approved from time to time	The Biodiversity and Rehabilitation Management Plan (BRMP, Rev 0) was prepared in 2017 to the satisfaction of the Secretary, however the audit found that site practice does not comply with five mitigation measures within the BRMP: Mitigation measure B7	NC	Refer Table 3-3 above.

NGH

#	Assessment requirement	Comment	Audit classification	Response/ Action
	by the Secretary.	Mitigation measure B8		
		Mitigation measure B9		
		Mitigation measure B13		
		Mitigation measure B14		

5. Conclusion

The audit found three (3) non-compliances from a total of 84 Conditions of Approval. The document review found that Environmental Management Plans and sub plans are relevant to the site and are generally being implemented, with updates to the SWMP and BRMP required.

Condition Part	Compliant	Non-Compliances	Not triggered
Schedule 2	17	1	3
Schedule 3	38	2	1
Schedule 4	2	-	-
Schedule 5	15	-	-
Appendix 4	4	-	-
Appendix 5	1	-	-

NGH

Appendix A Auditor team approval

Department of Planning and Environment



Mr Mark Newman Newman Quarrying Pty Ltd PO Box 292 Yamba, NSW 2464 Our Ref: SSD-6624-PA-26

31 March 2023

Dear Mr Newman,

Sly's Quarry Expansion Project (SSD-6624) Auditors Request for Approval Response

I refer to your request to the Department of Planning and Environment ('**NSW Planning**') (Ref: SSD-6624-PA-26) seeking the Planning Secretary's approval of suitably qualified, experienced and independent experts for the upcoming Independent Environmental Audit ('**the IEA**') of Newman Quarry (also referred to by NSW Planning as Sly's Quarry), in accordance with Schedule 5, Condition 11 of the MP 06_0159 ('**the Consent**), as modified.

Having considered the qualifications and experience of the proposed audit team, the Planning Secretary endorses the appointment of the following to undertake the audit and prepare the audit report.

- Olivia Merrick Lead Auditor.
- Whitney Heiniger Support Auditor.
- Natascha Arens Technical and QA Review.

This approval is conditional on the audit team being independent of Newman Quarry. Please ensure this correspondence, including the Independent Audit Declaration Form (Appendix E of the *Post Approval Independent Audit Guidelines* (May, 2020) are appended to the Independent Audit Report.

The IEA is to be conducted in accordance with the requirements of Schedule 5, Condition 11 of the Consent. Auditors may wish to have regard to the Independent Audit Post Approval Requirements (May, 2020). A copy of this guideline can be located at

<u>https://www.planning.nsw.gov.au/Assess-and-Regulate/About-compliance/Inspections-and-enforcements</u> /Independent-audit-post-approval-requirements.

The audit report is to include the following:

- a) Consultation with the relevant agencies and (if established) the CCC;
- b) An assessment of the environmental performance of the development and whether it is complying with the relevant requirements in the Consent and any relevant EPL or necessary water licences for the development (including any assessment, strategy, plan or program required under these approvals);
- c) Recommended actions in response to any identified non-compliances;

Department of Planning and Environment



- d) A review the adequacy of strategies, plans or programs required under the Consent; and
- e) Appropriate measures or actions to improve the environmental performance of the development, and/or any assessment, strategy, plan or program required under the abovementioned approvals.

Within 12 weeks of commencing the IEA, Newman Quarry is to submit a copy of the IEA report to the Planning Secretary, Council, the EPA and any other NSW agency that requests it, together with its response to any recommendations contained in the audit report and a timetable to implement the recommendations.

Prior to submitting the IEA report to the Planning Secretary, it is recommended that you review the report to ensure it complies with the relevant consent condition.

If you wish to discuss the matter further, please contact me on (02) 6670 8652.

Yours sincerely

NICK Ballard

Nick Ballard A/Team Leader – Far North Region Compliance

As nominee of the Planning Secretary



Appendix B Audit table

NGH Pty Ltd | 230086 - Draft

Development Consent and EPL Compliance Status - April 2023

Reference	Approval or licence requirement	Evidence collected	Audit Finding	Compliance status
	nt Consent (SSD 6422) Administrative Conditions			
	o minimise harm to the environment			
1	In addition to meeting the specific criteria in this consent, the Applicant shall implement all reasonable and feasible measures to prevent and/or minimise any harm to the environment that may result from the construction, operation, or rehabilitation of the development.	Visual inspection, documented routine inspections, site records. Site practices appear sound. No reportable environmental incidents for the audit period, indicating nil reported system failures therefore limited potential for environmental incidents to occasion environmental harm.	Environmental management measures in place, in tact and operating sufficiently.	Compliant
Terms of cor	isent		1	
	The Applicant shall carry out the development generally in accordance with the a) EIS and SEE (Mod 1); and	Visual inspection of site, clearing records, annual reporting data and interview with Quarry Operation Manager. Total impact less than predicted in EIS based on available disturbance footprint not having been cleared in totality at time of audit.	Operations generally in accordance with the EIS and the MOD	Not-compliant
	(b) in accordance with the conditions of this consent and the Development Layout Plans.	Visual inspection, survey records and interview with quarry operations manager, site boundaries maintained, quarry benching and rehabilitation practices complaint, maximum excavation depth not breached	The audit found 2 NC's against Consent Conditions.	
3	If there is any inconsistency between the documents in condition 2(a), the most recent document shall prevail to the extent of the inconsistency. However, the conditions of this consent shall prevail to the extent of any inconsistency.	Noted		Compliant
	Applicant must comply with any requirement/s of the Secretary arising from the Department's assessment of: (a) any strategies, plans, programs, reviews, audits, reports or correspondence that are submitted in accordance with this consent (including any stages of these documents);	Noted, Management Plans reviewed as part of the audit had been updated in varying stages throughout the auditable period. Of note, the Traffic Management Plan has been updated following Secretary's direction in consultation with TfNSW. Traffic Management Plan (Rev 5, GHD) updated as per direction of Secretary in relation to TfNSW concerns regarding the maximum trucking rate, the intersection of Tullymorgan-Jackybulbin Road and Pacific Highway and whether this could operate at a control delay level of no less than Level of Service C. TfNSW also requested the Drivers Code of Conduct (DCC) to include contingencies for managing traffic impacts at the intersection during school holidays and seasonal peak times. These items were addressed adequately in TMP Rev 5, that was approved by Secretary in September 2022.		
	(b) any reviews, reports or audits undertaken or commissioned by the Department regarding compliance with this consent; and	Soil and Water Management Plan Rev 5: The Soil and Water Management Plan (SWMP) was updated as per 2021 Audit findings, within 3 months of those findings, to include: • the new storage / sediment basin that has been constructed since 2017 and any other modifications to drainage lines or sediment and erosion control measures; • revised frequency of monitoring of baseline water quality of drainage lines at locations WQ1 and WQ2. Noted that the frequency of this monitoring was reduced to "at least once every quarter" as per letter from DPIE dated 04/02/2021; • revised frequency of monitoring of groundwater monitoring bores (GW1, GW2 and GW3). The frequency of this monitoring was reduced from quarterly to "annually, where adequate water is available for sampling" as per letter from DPIE dated 04/02/2021. It has been noted by GHD that DPIE has agreed that monitoring of groundwater can be reduced to annually and via dipping, rather than loggers (email B. Luffman, GHD 21/04/21).	Soil and Water Management Plan updated to Rev 3 in 2021 as per previous audit finding . SWMP is now at Rev 5 (GHD, 2022).	Not-compliant

	c) The implementation of any actions or measures contained in these documents.	Mitigation measures specific to the two above mentioned updated management plans (TMP and SWMP) were not complied with at the time of audit. TMP>125 laden trucks outside the approved increase period (see Condition 8 below) stockpile management non-compliant with in SWMP (see condition 21 below).	Compliant	
Limits on cor	nsent			
Quarrying op	perations			
5	The Applicant may carry out quarrying operations on the site until 31 May 2041. Note: Under this consent, the Applicant is required to rehabilitate the site and carry out additional undertakings to the satisfaction of the Secretary. Consequently, this consent will continue to apply in all other respects other than the right to conduct quarrying operations until the rehabilitation of the site and those undertakings have been carried out to a satisfactory standard.	Noted	Noted	Compliant
6	The Applicant must not undertake quarrying operations below a level of 44 m AHD.	Survey plans were cited and RL depth confirmed. Maximum depth of 44m AHD is the existing quarry floor and no excavations deeper have occurred during the auditable period.		Compliant
7	The Applicant must not extract more than 500,000 tonnes of quarry products from the site in any financial year.	Sales and blasting records viewed (blast report annual tonnages m3 to tonnes). Extraction rates were also reported on for the previous financial year in Annual Report and found to be compliant.	Extraction rates were also reported on for the previous financial years in Annual Report (GHD, 2022) and found to be compliant.	Compliant
Quarry Prod	uct Transport			
	The Applicant: (a) must not transport more than 500,000 tonnes of quarry products from the site during any financial year;	extraction values, transport dockets and weight records viewed. Extraction volumes are calculated in m3; the Annual Reports prepared for the financial years that fell within the audit period (20/21; and 21/22 FY) converted this value to tonnes. Operations is compliant what this condition for the audit period.	Sales/ Transported values were also reported on for the previous financial years in Annual Report (GHD, 2022) and found to be compliant.	
	(b) must not receive more than 10,000 tonnes of topsoil and 5,000 m3 of mulch during any financial year;	Noted, no topsoil or mulch had been received for the audit period	Compliant	
8	(c) must not receive or dispatch more than 125 laden trucks from the site on any day, except as specified in condition 8(d) below; and	Truck movement chart available on Newman Quarrying website. PHUP was active in December 2021, completed that month. On letter dated 21st September 2022, Secretary conditionally approved 150 laden trucks/ day. Trucking records show: 128 laden trucks 6th September 2022 (PHUP complete) , however inspecitng the load dockets, four loads were for firewood. The total daily laden truck movements form the quarry wiht sandsotne procuts was 124.	Compliant	Compliant
	(d) may receive or dispatch up to 150 laden truck from the site on any day until the completion of the PHUP, unless otherwise agreed by the Secretary. Note: Dispatch of laden trucks is also controlled under condition 1 of Schedule 3.	Transport for NSW confirm PHUP was active until Decmeber 2021 (email verification recived by Newman Quarrying from TfNSW taskforce). On letter dated 21st September 2022, Secretary	Compliant	
84	Following the completion of the PHUP, should the Applicant wish to continue trucking rates in accordance with condition 8(d) of this Schedule, the Applicant must prepare a Traffic Impact Assessment to the satisfaction of the Secretary. This must: (a) be prepared in consultation with RMS and Council; (b) include a detailed assessment of the potential impacts of project-related traffic on the capacity, safety and efficiency of the intersection of Tullymorgan-Jackybulbin Road and Pacific Highway; (c) demonstrate that this intersection could operate at a control delay level of no less than Level of Service C in accordance with Traffic Modelling Guidelines (RMS, 2013), or most recent version; and	TMP updated September 2022 (GHD) and included this detail	Updated TMP (Rev 5) that included this detail was approved DPE (December 2022, GHD)	Compliant
	(d) include a program to review and report on the control delay level of the intersection, to ensure that a level of no less than Level of Service C is achieved. If a control delay level of Level of Service C cannot be achieved, the Applicant must reduce trucking rates to the rates specified in condition 8(c) of this Schedule.			
9	The delivery of topsoil and mulch permitted by condition 8 (c) above must be transported by backfilled quarry product trucks only.	This is understood by Quarry Operations Manager, however no such material was purchase or imported during the audit period		Compliant
Surrender of	existing development consents		l	

	Within 12 months of the date of this consent, or as otherwise agreed by the Secretary, the Applicant must surrender all existing development consents for extractive industry for the site in accordance with the EP&A Regulation. Note: This requirement does not extend to the surrender of construction and occupation certificates for existing and proposed building works under Part 4A of the EP&A Act. Surrendering of consent should not be understood as implying that works legally constructed under a valid consent can no longer be legally maintained or used.	Interview with Operations Manger: this was understood		Compliant
11	Prior to the surrender of existing development consents, the conditions of this consent shall prevail to the extent of any inconsistency with the conditions of these consents.	Interview with Operations Manger: this was understood		Compliant
Structural A	dequacy		•	
12	The Applicant must ensure that all new buildings and structures, and any alterations or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the BCA. Notes: • Under Part 4A of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for the proposed building works; and • Part 8 of the EP&A Regulation sets out the requirements for the certification of the development or project.	Not applicable		Not triggered
Demolition	The Applicant must ensure that all demolition work is serviced out in accordance with Australian			
13	The Applicant must ensure that all demolition work is carried out in accordance with Australian Standard AS 2601-2001: The Demolition of Structures, or its latest version.	Not applicable		Not triggered
Protection o	f public infrastructure			
	The Applicant must: (a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the development; and	Not applicable		
14	(b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development. Note: This condition does not apply to damage to roads caused as a result of general road usage or otherwise addressed by contributions required by condition 19 of this consent.	Not applicable		Not triggered
Operation of	f plant and equipment		•	
15	The Applicant must ensure that all the plant and equipment used at the site is: (a) maintained in a proper and efficient condition; and	maintenance logs (contractor; Dan White Grafton onsite mobile mechanic). Phone app for pre-starts. Site audit included visual inspection and fleet's appearance appeared to be in sound condition	Plant and equipment at Newman Quarrying maintained in proper and efficient condition.	Compliant
15				Compliant
15 Production o	(a) maintained in a proper and efficient condition; and (b) operated in a proper and efficient manner.	Site audit included visual inspection and fleet's appearance appeared to be in sound condition visibly evident from site inspection, speed limits adhered to and no excessive black smoke or other	proper and efficient condition. Plant and equipment at Newman Quarrying is operated in	Compliant
	(a) maintained in a proper and efficient condition; and (b) operated in a proper and efficient manner.	Site audit included visual inspection and fleet's appearance appeared to be in sound condition visibly evident from site inspection, speed limits adhered to and no excessive black smoke or other	proper and efficient condition. Plant and equipment at Newman Quarrying is operated in proper and efficient condition.	Compliant Compliant
Production c	 (a) maintained in a proper and efficient condition; and (b) operated in a proper and efficient manner. data The Applicant must: (a) provide annual quarry production data to DRG using the standard form for that purpose; 	Site audit included visual inspection and fleet's appearance appeared to be in sound condition visibly evident from site inspection, speed limits adhered to and no excessive black smoke or other emissions observed. Pre-starts viewed also. Extractive Material Return data is available in the Annual Reports, forms viewed during the on-site	proper and efficient condition. Plant and equipment at Newman Quarrying is operated in proper and efficient condition.	
Production o	 (a) maintained in a proper and efficient condition; and (b) operated in a proper and efficient manner. data The Applicant must: (a) provide annual quarry production data to DRG using the standard form for that purpose; and 	Site audit included visual inspection and fleet's appearance appeared to be in sound condition visibly evident from site inspection, speed limits adhered to and no excessive black smoke or other emissions observed. Pre-starts viewed also. Extractive Material Return data is available in the Annual Reports, forms viewed during the on-site audit	proper and efficient condition. Plant and equipment at Newman Quarrying is operated in proper and efficient condition. Annual quarry production data provided. Annual quarry production data included in Annual Reports relevant to the audit period (i.e. 2020/21 financial year and	
Production o	 (a) maintained in a proper and efficient condition; and (b) operated in a proper and efficient manner. data The Applicant must: (a) provide annual quarry production data to DRG 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). 	Site audit included visual inspection and fleet's appearance appeared to be in sound condition visibly evident from site inspection, speed limits adhered to and no excessive black smoke or other emissions observed. Pre-starts viewed also. Extractive Material Return data is available in the Annual Reports, forms viewed during the on-site audit	proper and efficient condition. Plant and equipment at Newman Quarrying is operated in proper and efficient condition. Annual quarry production data provided. Annual quarry production data included in Annual Reports relevant to the audit period (i.e. 2020/21 financial year and	

18	While quarrying operations are being carried out, the Applicant must ensure that these boundaries are clearly marked at all times in a manner that allows operating staff to clearly identify the approved limits of extraction.	Survey pegs in place,GPS coordinate points are on Quarry Operations mobile phone and limits monitored via this GPS interface as well as on ground survey pegs.	Limits of extraction boundaries are clearly marked in the filed with survey pegs and high visibility flagging on the pegs.	Compliant
Contribution	ns to Council		1	1
19	The Applicant must pay to Council an annual financial contribution toward the maintenance of Tullymorgan-Jackybulbin Road. The contribution must be determined in accordance with the Maclean Shire Council S.94 Contribution Plan for Maintenance of Quarry Roads, November 1994, or any subsequent relevant contributions plan adopted by Council. The annual contribution must be paid to Council prior to 31 July each year and reported in the Annual Review required in condition 9 of Schedule 5.	Financial contribution receipt lodged with CVC and replicated in Annual Report for audit period	The annual contribution has been paid to Council prior to 31 July each year for the audit period and reported in the 2021 and 2022 Annual Reports.	Compliant
20	and comply with, the conditions of this consent relevant to their respective activities.	Site induction and specific Toolbox Training Sessions e.g. as Pollution Incidence Response (PIRMP), Vegetation Clearing and requirements.	Employees, contractors and sub-contractors are made aware of, and comply with, the conditions of this consent relevant to their respective activities and this has been achieved through awareness and training; actively visible mitigation measures installed and maintained on site; and no recorded environmental incidents.	Compliant
	Environmental Performance Conditions			
NOISE				
Hours of Op				
1	Table 1: Operating Hours Activity Permissible Hours Employee artival • From 6:30 am Monday to Saturday inclusive Employee artival • From 7:30 am Sundays or public holidays if engaged in maintenance, sets executivy or other similar activities Quarrying operations including loading and dispatch of laden trucks • T am to 6 pm Monday to Friday 7 am to 6 pm Monday to Friday • T am to 6 pm Sturday if fulfiling a contract for the supply of quarry products to the Pacific Highway update project (SSD 4963)* 8 • A no time on Sundays or public holidays 9 am to 3 pm Monday to Friday (except public holidays) Maintenance • May be conducted at any time, provided that these activities are not audited at any time unately-owned residence *Note: Evidence of contracts that cover those periods during which extended Saturday afternoon operating hours are undertaken must be reported in the Annual Review required by condition 9 of Schedue 5.	Site inspection, records and interview with Quarry Operations Manager. Sign on sheet and time sheets viewed, no Saturdays were worked. Truck dockets also viewed to confirm Hours of Operation 7am - 4:30pm. Front signage also lists Hours of Operation	Newman Quarrying complies with the operating hours set out in Table 1.	Compliant
2	The following activities may be carried out on the site outside the hours specified in condition 1: (a) delivery or dispatch of materials as requested by Police or other authorities; and (b) emergency work to avoid the loss of lives, property and/or to prevent environmental harm. In such circumstances, the Applicant must notify the Secretary and affected residents prior to undertaking the activities, or as soon as is practical thereafter.	Interview with Quarry Operations Manager and no such requests nor out of hours works were required for the audit period Interview with Quarry Operations Manager and no such requests nor out of hours works were required for the audit period	Not Triggered Not Triggered	Not triggered
Noise Impac	t Assessment criteria			
3	The Applicant must ensure that the noise generated by the development does not exceed the criteria in Table 2 at any residence on privately-owned land. Noise generated by the development is to be measured in accordance with the relevant requirements and exemptions (including certain meteorological conditions) of the NSW Industrial Noise Policy. Appendix 4 sets out the meteorological conditions under which these criteria apply and the requirements for evaluating compliance with these criteria. However, the noise criteria in Table 2 do not apply if the Applicant has an agreement with the relevant landowner to exceed the noise criteria, and the Applicant has advised the Department in writing of the terms of this agreement. Table 2: Noise criteria dB(A) Table 2: Noise criteria dB(A) Receiver Lav(15 mean) Receiver Lav(15 mean) All privately-owned 35 35 35	In 2018, Newman Quarrying requested that noise monitoring cease based on consistent results within the required criteria listed in Table 2: Noise Criteria dB(A). This request was approved by DPE in October 2018. Subsequent to this, the NMP was revised to include this change in monitoring requirements and the revised NMP approved by the Department in September 2020.		Compliant
Operating co	onditions			

	The Applicant must: (a) implement best practice management to minimise the operational and road transportation noise of the development; (b) minimise the noise impacts of the development during meteorological conditions when the noise criteria in this consent do not apply (see Appendix 4);	Site inspection (satisfactory operating practices) complaints register (nil complaints), truck movement s/ traffic management measures and interview with Quarry Operations Manager confirm operational and road transportation noise for the project are minimised such that no sensitive receivers have been affected. interview with Quarry Operations Manager, such conditions (conditions specified in Appendix 4) haven't occurred however in the event they did, site operations would be scaled back, shut down	Site operations employ mitigation measures to minimise noise and transport related road noise Conditions as per Appendix 4 were note encountered within the audit period.	
4	(c) carry out noise monitoring (at least every 3 months or as otherwise agreed with the Secretary) to determine whether the development is complying with the relevant conditions of this consent; and	Noise monitoring ceased as agreed by Secretary in letter dated October 2018, historical records of constituted compliance with relevant conditions of consent relating to noise levels		Compliant
	(d) regularly assess noise monitoring data and modify and/or stop operations on site to ensure compliance with the relevant conditions of this consent, to the satisfaction of the Secretary. Note: Required frequency of noise monitoring may be reduced if approved by the Secretary.	Noted and note required, Newman Quarrying requested that noise monitoring cease based on consistent results within the required criteria listed in Table 2: Noise Criteria dB(A). This request was approved by DPE in October 2018. Subsequent to this, the NMP was revised to include this change in monitoring requirements and the revised NMP approved by the Department in September 2020.		
Noise Mana	gement Plan		L	
5	The Applicant must prepare a Noise Management Plan (NMP) for the development to the satisfaction of the Secretary. This plan must: (a) be prepared in consultation with the EPA; (b) be submitted to the Secretary within 6 months of the date of this consent, unless otherwise agreed by the Secretary; (c) describe the measures that would be implemented to ensure: • compliance with the noise criteria in this consent; • best practice management is being employed; and • the noise impacts of the development are minimised during meteorological conditions under which the noise criteria in this consent system; and (e) include a monitoring program to be implemented to measure noise from the development against the noise criteria in Table 2 and the road noise criteria in the EIS, and which evaluates and reports on the effectiveness of the noise management system; and	The NMP prepared was approved by the Secretary and was found to be compliant by the previous audit. A review of the Plan was undertaken for this audit and no items of concern raised.		Compliant
6	The Applicant must implement the approved Noise Management Plan as approved from time to time by the Secretary.			Compliant
BLASTING				
Blasting Imp	hact Assessment Criteria The Applicant must ensure that blasting on site does not cause any exceedance of the criteria			
7	in Table 3. However, these criteria do not apply if the Applicant has a written agreement with the relevant owner to exceed the limits in Table 3, and the Applicant has advised the Department in writing of the terms of this agreement.	Blast reports/ result viewed and all blasts were within required criteria.	Blasting on site has not caused any exceedances of the blast criteria	Compliant
Blasting Free	l quency		1	

					-		
8	The Applicant may carry out a maximum of 2 blasts per calendar month, unless an additio blast is required following a blast misfire. This condition does not apply to blasts required ensure the safety of the quarry or workers on site. Note: For the purposes of this condition a blast refers to a single blast event, which m involve a number of individual blasts fired in quick succession in a discrete area of the quarry nditions				Blast reports/ results viewed and number of blasts average approx. 6 blast year	Maximum of two blasts per calendar month was not exceeded. On average 6 blasts were performed per calendar year for the audit period (April 2021 through o April 2023).	Compliant
Operating co	onditions						
9	During blasting operations, the Ap (a) implement best practice mana • protect the safety of people and • protect public or private infrast blasting operations; • minimise the dust and fume em	gement to: I livestock in th ructure/prope	rty in the surrounding a		Interview with Quarry Operations Manager, daily diary of road blocks - blasting contractor's Exclusion Zone Plan . Local residents sent a text message to ensure residents are informed with up-to-date information and so any livestock in the vicinity are protected. Newman Quarrying also would close local roads to protect safety of people and road users.	During blasting operations, the required conditions of consent were found to be compliant.	Compliant
	(b) operate a suitable system to enable the local community to get up-to-date information on the proposed blasting schedule on site; and (c) carry out regular monitoring to determine whether the development is complying with the relevant conditions of this consent, to the satisfaction of the Secretary.				Text messages sent to local residents; front entry signage message board lists blast dates/ upcoming blasts; listed on website also blast monitoring results within required criteria		
Blast Manag	ement Plan	t, to the satisfa	action of the secretary.				
10 AIR QUALITY	The Applicant must prepare a Blast Management Plan (BMP) for the development to th satisfaction of the Secretary. This plan must: (a) be submitted to the Secretary for approval within 6 months of the date of this consent unless otherwise agreed by the Secretary; (b) describe the measures that would be implemented to ensure compliance with the blas criteria and operating conditions of this consent; (c) include measures to manage fly rock (d) include a monitoring program for evaluating and reporting on compliance with the blastin criteria in this consent; (e) include community notification procedures for the blasting schedule, in particular to nearb residences; and (f) include a protocol for investigating and responding to complaints.		e date of this consent, mpliance with the blast pliance with the blasting	The BMP prepared was approved by the Secretary and was found to be compliant by the previous audit. A review of the Plan was undertaken for this audit and no items of concern raised.	BMP compliant with the conditions of this consent	Compliant	
	mpact Assessment Criteria						
11	The Applicant must implement th time by the Secretary.	e approved Bla	ast Management Plan as	approved from time to	Current Ballast Management Plan evident on site and available on company's website.		Compliant
	The Applicant must ensure that a are employed so that particulat cause exceedances of the criteria Pollutant Particulate matter < 10 µm (PM ₁₀) Particulate matter < 10 µm (PM ₁₀) Total suspended particulates (TSP) © Deposited dust	e matter emis	criterion Criterion a.d.30 µg/m ^D 50 µg/m a.d.90 µg/m	e development do not ly-owned land.			

	Notes to Table 4: a Cumulative impact (i.e. increase in concentrations due to the development plus background concentrations due to all other sources). b incremental impact (i.e. increase in concentrations due to the development alone, with zero allowable exceedances of the criteria over the life of the development. c Deposited dust is to be assessed as insoluble solids as defined by Standards Australia, AS/NZS 3580.10.1:2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulate Matter - Deposited Matter - Gravimetric Method. d Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents or any other activity agreed by the Secretary. e "Reasonable and feasible avoidance measures" includes, but is not limited to, the operational requirements in conditions 13, 14 and 15 to develop and implement an air quality management system that ensures operational responses to the risks of exceedance of the criteria.	Criteria met, air blast pressure records viewed.	No exceedances in audit period	Compliant
Operating Co	onditions		1	
	The Applicant must: (a) implement best practice management to minimise the dust emissions of the development;			
	(b) regularly assess meteorological and air quality monitoring data and relocate, modify and/or stop operations on site to ensure compliance with the air quality criteria in this consent;	Interview with Operation Manager: this we misunderstood and there is the capacity to stop works should that be required. Dust particulate monitoring also undertaken form an airborne silica perspective - below OHS requirements for silica		
	(c) minimise the air quality impacts of the development during adverse meteorological conditions and extraordinary events (see note d under Table 4);	interview with Operations Manager: this was understood		Compliant
	(d) monitor and report on compliance with the relevant air quality conditions in this consent; and	noted, site monitoring had ceased however daily visual monitoring was evident.		
	(e) minimise the area of surface disturbance and undertake progressive rehabilitation of the site, to the satisfaction of the Secretary.	Interview with Operations Manager: approximate 3 year look ahead whereby areas for extraction would be cleared approaching the estimated extraction period. Verified by interview that this condition is understood adequality and that site practice generally adheres to minimising the area of disturbed ground for as long as is reasonable (some areas were inspected during the audit that were cleared and extraction had not started. this was due to ground conidiations and safety reasons)	Site practice generally adheres to minimising the area of disturbed ground for as long as is reasonable	
а			1	
	The Applicant must prepare an Air Quality Management Plan for the development to the satisfaction of the Secretary. This plan must: (a) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agree by the Secretary; (b) describe the measures that would be implemented to ensure: • compliance with the relevant conditions of this consent; • best practice management is being employed; and • the air quality impacts of the development are minimised during adverse meteorological conditions and extraordinary events;	AQMP GHD - reviewed and approved by DPE, letter of acceptance viewed. A review of this Plan for the audit found it to comply with these consent conditions AQMP GHD - reviewed and approved by DPE, letter of acceptance viewed. A review of this Plan for the audit found it to comply with these consent conditions		
14	(c) describe the proposed air quality management system;	AQMP GHD - reviewed and approved by DPE, letter of acceptance viewed. A review of this Plan for the audit found it to comply with these consent conditions		Compliant
	 (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. 	AQMP GHD - reviewed and approved by DPE, letter of acceptance viewed. A review of this Plan for the audit found it to comply with these consent conditions		
15	The Applicant must implement the approved Air Quality Management Plan as approved from time to time by the Secretary.	AQMP GHD - reviewed and approved by DPE, letter of acceptance viewed. A review of this Plan for the audit found it to comply with these consent conditions		Compliant
Meteorologi	ical Monitoring			
	For the life of the development, the Applicant must ensure that there is a suitable meteorological station operating in the vicinity of the site that complies with the requirements in the Approved Methods for Sampling of Air Pollutants in New South Wales guideline.			Compliant

Greenhouse	Gas Emissions			
17	The Applicant must implement all reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site.	new equipment; non-Smokey Euro 4/5 . Add Blue additives waste segregation. Biobanking site established		Compliant
SOIL and WA	ATER			
water				
18		series of dams an ponds and pump around system. construction water re-used on site, released under EPL guidance. Further water sources on the property. Purchase water/ scale back to stop washing sand to sell only rock products (not was sand and therefore not produce sand)		Compliant
Water discha	arges			•
19	The Applicant must comply with the discharge limits in any EPL, or with section 120 of the POEO Act.	refer EPL		Compliant
Soil and Wat	ter Management Plan			
20	The Applicant must prepare a Soil and Water Management Plan for the development to the satisfaction of the Secretary. This plan must: (a) be prepared by suitably qualified and experienced person/s approved by the Secretary; (b) be prepared in consultation with the EPA and DPI Water; (c) be submitted to the Secretary for approval within 6 months of the date of this consent, unless otherwise agreed by the Secretary; and (d) include the EPA's requirements as set out in Appendix 5; (i) Site Water Balance that includes: • details of: o sources and security of water supply; o water use and management on site; o any off-site water transfers; and o reporting procedures; and • measures that would be implemented to minimise clean water use on site; (ii) Surface Water Management Plan, that includes: • a program for obtaining detailed baseline data on surface water flows and quality in water bodies that could potentially be affected by the development; • a detailed description of the surface water management system on site including the: o clean water diversion system; o erosion and sediment controls; o dirty water management system; o water storages; and • meaging to monitor and report on: o any surface water discharges; o the effectiveness of the water management system, o the quality of water discharges; o the user diversion and quality in local watercourses; (iii) Groundwater Management Plan that includes: a provision that requires the Applicant to obtain appropriate water licence(s) to cover the volume of any unforeseen groundwater inflows into the quary from the quary face or floor; and • a monitoring program to manage potential impacts, if any, on the alluvium and associated surface water source near the proposed extraction area that includes: o admining metasures in the event of a breach of thresholds; and	SWMP GHD - reviewed and approved by DPE, letter of acceptance viewed. A review of this Plan for the audit found it to comply with these consent conditions	Compliant	Compliant
21	 a program to regularly report on monitoring. The Applicant must implement the approved Soil and Water Management Plan as approved from time to time by the Secretary. 	site practise was not strictly in a accordance with mitigation measures identified within the SWMP.	SWMP, #SW02 not complied with (sediment fence around stockpile absent, stockpile had been stabilised with vegetation cover)	Not-compliant
TRANSPORT				
Monitoring o	of Product Transport			

·				
	The Applicant must keep accurate records of all laden truck movements to and from the site			
22	(including time of arrival and dispatch) and publish a summary of records on its website every 6	Published on website January/ July		Compliant
	months.			
Operating Co	Inditions			
	The Applicant must:	Interview with Operations Manager, loads are covered and checked on weigh bridge. Ion the event		
	(a) ensure that all laden trucks entering or exiting the site have their loads covered, with the	they aren't covered, customers would be asked to tip off to get a over; or borrow cover.		
	exception of loads consisting solely of boulders greater than one tonne in weight;			
	b) ensure that all laden trucks eviting the site are cleaned of material that may fall on the road	Quarry can not control the state of customers trucks however they do regularly clean the road, which		
	before leaving the site;	has the same effect.		Compliant
25	before leaving the site,	lids the same effect.		compilant
	(c) use its best endeavours to ensure that appropriate signage is displayed on all trucks used to	signaga annyanyiata		
	transport product from the development so they can be easily identified by road users; and	signage appropriate		
	(d) if a second			
		Interview with Operations Manage, quarry front gates open early to remove potential for any queuing		
	within the site to avoid queuing on Tullymorgan-Jackybulbin Road. gement Plan	trucks	ļ I	
	The Applicant must prepare a Traffic Management Plan for the development to the satisfaction			
	of the Secretary. This plan must:			
	(a) be prepared in consultation with the RMS and Council;			
	(b) be submitted to the Secretary for approval within 6 months of the date of this consent,			
	unless otherwise agreed by the Secretary;			
	(c) describe the processes in place for the control of truck movements entering and exiting the			
	site;			
	(d) include a review of the existing intersection at the entrance to the quarry on Tullymorgan-			
	Jackybulbin Road, which involves:			
	(I) undertaking a survey of the dimensions of the existing intersection to assess whether it			
	meets the minimum road design dimensions for a BAR/BAL treatment in accordance with the			
	relevant road design guideline and/or standard; and			
	(ii) if found to not meet these dimensions, propose a works program for the upgrade of the			
	intersection to meet the relevant road design guideline and/or standard and a timeframe for			
24	completion of the works;	TMP, GHD - reviewed and approved by DPE, letter of acceptance viewed. A review of this Plan for the		Compliant
		audit found it to comply with these consent conditions		compliant
	(e) include a Drivers' Code of Conduct that details the safe and quiet driving practices that			
	must be used by drivers transporting products to and from the quarry, with a particular focus			
	on:			
	(I) ensuring truck drivers are aware of the school bus stop and turning area adjacent to the			
	intersection of Tullymorgan-Jackybulbin Road and the Pacific Highway, its likely hours of use			
	and take appropriate measures to avoid interacting with school buses and school pupils; and			
	(ii) minimising the potential for fauna strike on Tullymorgan-Jackybulbin Road; and			
	(f) describe the measures that would be put in place to ensure compliance with the Drivers'			
	Code of Conduct;			
	(g) propose measures to minimise the transmission of dust and tracking of material onto the			
	surface of the public road from vehicles leaving the quarry; and			
	(h) propose measures to accommodate the parking of early-arriving trucks within the site,			
	rather than on the public road network.			
25	The Applicant must implement the approved Traffic Management Plan as approved from time	site inspection and review of the DCoC. Interview with Operations Manager and TMP measures		Compliant
23	to time by the Secretary.	understood		compliant
ABORIGINAL	HERITAGE			
	If any item or object of Aboriginal heritage significance is identified on site, the Applicant must			
	ensure that:			
	(a) all work in the immediate vicinity of the suspected Aboriginal item or object ceases			
		this process was evident in site induction and via awareness training. No artefacts found or suspected		
26		during the audit period		Compliant
	(c) the OEH 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 National Parks and Wildlife Act 1974. TY AND REHABILITATION			
BIODIVERSI				

27	The Applicant must assess in detail the biodiversity values of its proposed Biodiversity Offs Strategy (described in the EIS and shown conceptually in Appendix 6) using the BioBanking Assessment Methodology (OEH, 2014) and must retire ecosystem and species credits as so out in Table 5, to the satisfaction of the Secretary. Table 5: Biodiversity credits to be retind <u>Credit type</u> NR 115 Blackbutt-bloodwood dry heathy open forest Species Credits Bordered Guines Flower (Hibbertia marginata) 15,820 Koala (Phascolarctos cinerus) 317 Squirel glider (Petaurus norfolcensis) 268 Brush-tailed phascogale (phascogale tapoatafa)		Compliant	
Security of	Offsets Within 18 months of this consent, unless otherwise agreed with the Secretary, the Applica must make suitable arrangements to provide appropriate long-term security for the Biodiversity Offset Strategy, to the satisfaction of the Secretary. Note : Mechanisms to provide appropriate long-term security to the land within the Biodiversity Offset Strategy in accordance with the NSW Biodiversity Offset Policy for Majc Projects 2014, include a Biobanking Agreement, Voluntary Conservation Agreement or an alternative mechanism that provides for a similar conservation outcome. Any mechanism is remain in force in perpetuity.	r 2017/ 2018 - Biobanking stewardship site established	Compliant	
Rehabilitat	tion Objectives			
29	The Applicant must rehabilitate the site to the satisfaction of the Secretary. This rehabilitate must be generally consistent with the rehabilitation strategy in the EIS and the conceptual rehabilitation plan in Appendix 3 and must comply with the objectives in Table 6. Table 6: Rehabilitation Objectives Objective Site (as a whole) Colspan="2">Site (as a whole) Site (as a whole) Colspan="2">Colspan="2">Site (as a whole) Site (as a whole) <td c<="" td=""><td></td><td>listed in the Compliant</td></td>	<td></td> <td>listed in the Compliant</td>		listed in the Compliant
Progressiv	e Rehabilitation			
30	The Applicant must rehabilitate the site progressively, that is, as soon as reasonably practi 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 t are not active and which are not ready for final rehabilitation. Note: It is accepted that parts of the site that are progressively rehabilitated may be subjec- further disturbance in future.	 Interview with Operations Manager: Area B and Area C rehabilitating; site inspection older portions of Area A rehabilitation established. It is noted that areas of disturbance are evident in Stage 2 north and Stage 2 south; vegetation has bene cleared however extraction had not commenced yet due to wet site conditions. Understorey vegetation acting as ground cover was regenerating, lessening the 	Compliant	
Biodiversit	ty and Rehabilitation Management Plan			
	The Applicant must prepare a Biodiversity and Rehabilitation Management Plan for the development to the satisfaction of the Secretary. This plan must: (a) be prepared in consultation with OEH and Council; (b) be submitted to the Secretary for approval within 6 months of the date of this consent, unless the Secretary agrees otherwise; (c) be approved by the Secretary, prior to commencing quarrying operations in Stages 2 or ((refer Appendix 2), unless the Secretary agrees otherwise			

	(d) provide details of the conceptual final landform and associated land uses for the site;			
	(e) describe how the implementation of the Biodiversity Offset Strategy would be integrated			
	with the overall rehabilitation of the site;			
	(f) include detailed performance and completion criteria for evaluating the performance of the			
	Biodiversity Offset Strategy and rehabilitation of the site, including triggers for any necessary			
	remedial action;			
	(g) describe the short, medium and long term measures that would be implemented to:			
	 manage remnant vegetation and habitat on site, including within the Biodiversity Offset 			
	Strategy area; and			
	 ensure compliance with the rehabilitation objectives and progressive rehabilitation obligations in this consent; 			
	obligations in this consent,			
	(h) include a detailed description of the measures that would be implemented over the next 3			
	years (to be updated for each 3 year period following initial approval of the plan) including			
	the procedures to be implemented for:			
	 maximising the salvage of environmental resources within the approved disturbance area, 			
	including tree hollows, vegetative and soil resources, for beneficial reuse in the enhancement			
	of the offset area or site rehabilitation; • restoring and enhancing the quality of native vegetation and fauna habitat in the biodiversity	BRMP, GHD - reviewed and approved by DPE. A review of this Plan for the audit found it did not		
31	offset and rehabilitation areas through assisted natural regeneration, targeted vegetation	comply with some subpoints of this consent conditions	The audit found non-compliances with the highlighted red text.	Not-compliant
	establishment and the introduction of fauna habitat features;			
	• protecting and conserving habitat for the Bordered Guinea Flower (Hibbertia marginata);			
	 protecting vegetation and fauna habitat outside the approved disturbance area on-site; 			
	 minimising the impacts on native fauna, including undertaking pre-clearance surveys; 			
	• establishing vegetation screening to minimise the visual impacts of the site on surrounding			
	 receivers; ensuring minimal environmental consequences for threatened species, populations and 			
	habitats;			
	avoiding and minimising the spread of Exotic Rust Fungi of the order Uredinales pathogenic			
	on plants of the family Myrtaceae (Myrtle Rust), Phytophthora cinnamomi (Phytophthora) and			
	Chytrid fungus;			
	collecting and propagating seed; a control line words and forel mosts:			
	 controlling weeds and feral pests; controlling erosion; 			
	ensuring no obstruction of legal public access along the Crown public road referred to as			
	'Slys Road' in accordance with public rights of access under the Roads Act 1993; and			
	 controlling access to Slys Road, including managing public safety risks associated with 			
	rights of access over Slys Road by installing appropriate fencing and signage; and			
	 managing bushfire risk; 			
	(I) include a program to monitor and report on the effectiveness of these measures, and			
1	progress against the performance and completion criteria;			
	(j) identify the potential risks to the successful implementation of the Biodiversity Offset Strategy, and include a description of the contingency measures that would be implemented to			
	mitigate these risks; and			
	(k) include details of who would be responsible for monitoring, reviewing, and implementing			
	the plan.			
32	The Applicant must implement the approved Biodiversity and Rehabilitation Management Plan	The BRMP has not been implemented in its entirety as per detail above		Not-compliant
Conservati	as approved from time to time by the Secretary. on and Rehabilitation Bond			
comocritati				
	Within 6 months of the approval of the Biodiversity and Rehabilitation Management Plan, the			
	Applicant must lodge a Biodiversity and Rehabilitation Bond with the Department to ensure			
	that the Biodiversity Offset Strategy and rehabilitation of the site are implemented in			
	accordance with the performance and completion criteria set out in the plan and relevant conditions of this consent. The sum of the bond must be determined by:			
1	 (a) calculating the cost of implementing the Biodiversity Offset Strategy over the next 3 years; 			
	(-,			
1	(b) calculating the cost of rehabilitating the site, taking into account the likely surface			
I	disturbance over the next 3 years of quarrying operations; and			

33	 (c) employing a suitably qualified quantity surveyor or other expert to verify the calculated costs, to the satisfaction of the Secretary. Notes: Alternative funding arrangements for long term management of the Biodiversity Offset Strategy, such as provision of capital and management funding as agreed by OEH as part of a Biobanking Agreement, or transfer to conservation reserve estate can be used to reduce the liability of the Conservation and Rehabilitation Bond. If capital and other expenditure required by the Biodiversity and Rehabilitation Management Plan is largely complete, the Secretary may waive the requirement for lodgement of a bond in respect of the remaining expenditure. If the Biodiversity Offset Strategy and/or rehabilitation of the site area are completed (or partially 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 Secretary will call in all or part of the bond, and arrange for the completion of the relevant bart. 	Letter from DPE (ref # DOC22/756198) confirming site actions and release of bond for BSA 402 Tabbimobile site (stewardship/ biobank site). September 2022	Compliant	Compliant
34	 Within 3 months of each Independent Environmental Audit (see condition 10 of Schedule 5), the Applicant must review, and if necessary revise, the sum of the Conservation and Rehabilitation Bond to the satisfaction of the Secretary. This review must consider the: (a) effects of inflation; (b) likely cost of implementing the Biodiversity Offset Strategy and 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 Biodiversity Offset Strategy and rehabilitation of the site to date. 	Letter form DPE (Biodiversity Conservation Trust) confirming BCT completed annual(August) audit of the active management actions and advises that the required actions had been satisfactorily completed. The BCT will be releasing your annual management payment which will be deposited into your nominated bank account within 20 working days. Please note that payment has been adjusted for the Consumer Price Index as per your agreement.	Within three months of each IEA (last IEA June 2021, annual letter dated August therefore within three months).	Compliant
VISUAL	The Applicant must implement all reasonable and feasible measures to minimise the visual and			
35	off-site lighting impacts of the development to the satisfaction of the Secretary, including those mitigation measures listed in the EIS.	Interview with Operation Manager: early morning floodlights around the shed are only "dark" time lighting used.		Compliant
WASTE	The Applicant must:		1	
36	 (a) manage on-site sewage treatment and disposal in accordance with the requirements of its EPL, and to the satisfaction of the EPA and Council; (b) minimise the waste generated by the development; 	waste segregated; onsite drinking water for bottle fill ups.		Compliant
	 (c) ensure that the waste generated by the development is appropriately stored, handled, and disposed of; and (d) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary. 	segregated; annual reviews for audit period sighted		
37	disposed of; and (d) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary. Except as expressly permitted in an EPL, the Applicant must not receive waste at the site for	segregated; annual reviews for audit period sighted		Compliant
	disposed of; and (d) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary. Except as expressly permitted in an EPL, the Applicant must not receive waste at the site for storage, treatment, processing, reprocessing or disposal.	segregated;		Compliant
LIQUID STO	disposed of; and (d) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary. Except as expressly permitted in an EPL, the Applicant must not receive waste at the site for storage, treatment, processing, reprocessing or disposal. RAGE The Applicant must ensure that all tanks and similar storage facilities (other than for water) are protected by appropriate bunding or other containment, in accordance with the relevant Australian Standards.	segregated; annual reviews for audit period sighted		Compliant Compliant
LIQUID STO 38 DANGEROU 39	disposed of; and (d) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary. Except as expressly permitted in an EPL, the Applicant must not receive waste at the site for storage, treatment, processing, reprocessing or disposal. RAGE The Applicant must ensure that all tanks and similar storage facilities (other than for water) are protected by appropriate bunding or other containment, in accordance with the relevant Australian Standards.	segregated; annual reviews for audit period sighted noted and wasn't applicable for the audit period		
LIQUID STO 38 DANGEROU	disposed of; and (d) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary. Except as expressly permitted in an EPL, the Applicant must not receive waste at the site for storage, treatment, processing, reprocessing or disposal. RAGE The Applicant must ensure that all tanks and similar storage facilities (other than for water) are protected by appropriate bunding or other containment, in accordance with the relevant Australian Standards. IS GOODS The Applicant must ensure that the storage, handling, and transport of dangerous goods is done in accordance with the relevant Australian Standards, particularly AS1940 and AS1596, and the Dangerous Goods Code.	segregated; annual reviews for audit period sighted noted and wasn't applicable for the audit period above ground fuel contained in cement bund		Compliant
LIQUID STO 38 DANGEROU 39	disposed of; and (d) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary. Except as expressly permitted in an EPL, the Applicant must not receive waste at the site for storage, treatment, processing, reprocessing or disposal. RAGE The Applicant must ensure that all tanks and similar storage facilities (other than for water) are protected by appropriate bunding or other containment, in accordance with the relevant Australian Standards. JS GOODS The Applicant must ensure that the storage, handling, and transport of dangerous goods is done in accordance with the relevant Australian Standards, particularly AS1940 and AS1596, and the Dangerous Goods Code. The Applicant must: (a) prepare a Bushfire Management Plan to the satisfaction of the RFS;	segregated; annual reviews for audit period sighted noted and wasn't applicable for the audit period above ground fuel contained in cement bund bunded and SMS Bushfire Management Plan viewed and RFS input noted		Compliant
LIQUID STO 38 DANGEROU 39 BUSHFIRE	disposed of; and (d) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary. Except as expressly permitted in an EPL, the Applicant must not receive waste at the site for storage, treatment, processing, reprocessing or disposal. RAGE The Applicant must ensure that all tanks and similar storage facilities (other than for water) are protected by appropriate bunding or other containment, in accordance with the relevant Australian Standards. IS GOODS The Applicant must ensure that the storage, handling, and transport of dangerous goods is done in accordance with the relevant Australian Standards, particularly AS1940 and AS1596, and the Dangerous Goods Code.	segregated; annual reviews for audit period sighted noted and wasn't applicable for the audit period above ground fuel contained in cement bund bunded and SMS		Compliant
LIQUID STO 38 DANGEROU 39 BUSHFIRE	disposed of; and (d) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary. Except as expressly permitted in an EPL, the Applicant must not receive waste at the site for storage, treatment, processing, reprocessing or disposal. RAGE The Applicant must ensure that all tanks and similar storage facilities (other than for water) are protected by appropriate bunding or other containment, in accordance with the relevant Australian Standards. JS GOODS The Applicant must ensure that the storage, handling, and transport of dangerous goods is done in accordance with the relevant Australian Standards, particularly AS1940 and AS1596, and the Dangerous Goods Code. The Applicant must: (a) prepare a Bushfire Management Plan to the satisfaction of the RFS; (b) ensure that the development is suitably equipped to respond to any fires on site; and (c) assist the Rural Fire Service and emergency services as much as possible if there is a fire in	segregated; annual reviews for audit period sighted noted and wasn't applicable for the audit period above ground fuel contained in cement bund bunded and SMS Bushfire Management Plan viewed and RFS input noted water, fire extinguishers		Compliant
LIQUID STO 38 DANGEROL 39 BUSHFIRE 40 41	disposed of; and (d) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary. Except as expressly permitted in an EPL, the Applicant must not receive waste at the site for storage, treatment, processing, reprocessing or disposal. RAGE The Applicant must ensure that all tanks and similar storage facilities (other than for water) are protected by appropriate bunding or other containment, in accordance with the relevant Australian Standards. IS GOODS The Applicant must ensure that the storage, handling, and transport of dangerous goods is done in accordance with the relevant Australian Standards, particularly AS1940 and AS1596, and the Dangerous Goods Code. The Applicant must: (a) prepare a Bushfire Management Plan to the satisfaction of the RFS; (b) ensure that the development is suitably equipped to respond to any fires on site; and (c) assist the Rural Fire Service and emergency services as much as possible if there is a fire in the vicinity of the site.	segregated; annual reviews for audit period sighted noted and wasn't applicable for the audit period above ground fuel contained in cement bund bunded and SMS Bushfire Management Plan viewed and RFS input noted water, fire extinguishers noted and not applicable for audit period		Compliant Compliant Compliant

NOTIFICATIO	N OF LANDOWNERS			
1	As soon as practicable after obtaining monitoring results showing: (a) an exceedance of any relevant criteria in Schedule 3, the Applicant must notify the affected landowners in writing of the exceedance, and provide regular monitoring results to each affected landowner until the development is again complying with the relevant criteria; and (b) an exceedance of any relevant air quality criteria in Schedule 3, the Applicant must send a copy of the NSW Health fact sheet entitled "Mine Dust and You" (as may be updated from time to time) to the affected landowners and current tenants of the land (including the tenants of	noted and not applicable for audit period		Compliant
INDEPENDEN	land which is not privately-owned).			
2	If an owner of privately-owned land considers the development to be exceeding the relevant criteria in Schedule 3, then he/she may ask the Secretary in writing for an independent review of the impacts of the development on his/her land. If the Secretary is satisfied that an independent review is warranted, then within 2 months of the Secretary's decision, the Applicant must: (a) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Secretary, to: • consult with the landowner to determine his/her concerns; • conduct monitoring to determine whether the development is complying with the relevant criteria in Schedule 3; and • if the development is not complying with these criteria, then identify measures that could be implemented to ensure compliance with the relevant criteria; and (b) give the Secretary and landowner a copy of the independent review.	noted and not applicable for audit period		Compliant
Schedule 5 -	Environmental Management, Reporting and Auditing		ł	
	NTAL MANAGEMENT			
Environment	tal Management Strategy			
1	 If the Secretary requires, the Applicant must prepare an Environmental Management Strategy for the development to the satisfaction of the Secretary. This strategy must: (a) be submitted to the Secretary for approval within 6 months of the Secretary requiring preparation of the strategy by notice to the Applicant; (b) be prepared in consultation with Council; (c) provide the strategic framework for environmental management of the development; (d) identify the statutory approvals that apply to the development; (e) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development; (f) describe the procedures that would be implemented to: 	EMS Rev 5 reviewed and contains required detail as per this condition		Compliant
1A	Where consultation with any public authority is required by the conditions of this consent, the Applicant must: (a) consult with the relevant public authority prior to submitting the required document to the Secretary for approval; (b) submit evidence of this consultation as part of the relevant document; (c) describe how matters raised by the authority have been addressed and any matters not resolved; and (d) include details of any outstanding issues raised by the authority and an explanation of disagreement between any public authority and the Applicant.	Noted and not applicable for audit period	Noted and not applicable for audit period	Compliant

2	The Applicant must implement any Environmental Management Strategy as approved from	Requirements of the EMS found to be implanted on site for the audit period	Compliant
	time to time by the Secretary.		
3	impuedo una environmentar performance or the development, and	Management Plans required under consent conditions (SSD-6624) were prepared by GHD and reviewed and approved to the satisfaction of the Secretary.	Compliant
	Within 3 months of the submission of an:		
4 Updating ar	 (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 must review the strategies, plans and programs required under this consent, to 	Each Annual Report notes "reviewing management plans" as activities proposed for the next reporting period. There is no specific evidence that such reviews have been undertaken to the satisfaction of the Secretary. Owing to Annual Reports being submitted however, to the Secretary (DPE), with no feedback to suggest otherwise, it is therefore assumed that the statement to "review management plans" is satisfactory, to DPE.	Compliant

	To ensure that strategies, plans or programs required under this consent are updated on a			
	regular basis, and that they incorporate any appropriate additional measures to improve the			
	environmental performance of the development, the Applicant may at any time submit revised			
	strategies, plans or programs for the approval of the Secretary. With the agreement of the			
	Secretary, the Applicant may also submit any strategy, plan or program required by this			
	consent on a staged basis.			
	The Secretary may approve a revised strategy, plan or program required under this consent, or			
	the staged submission of any of these documents, at any time. With the agreement of the			
	Secretary, the Applicant may prepare a revision of or a stage of a strategy, plan or program			
	without undertaking consultation with all parties nominated under the applicable condition in			
	this consent.			
	While any strategy, plan or program may be submitted on a staged basis, the Applicant will			
5	need to ensure that the operations associated with the development are covered by suitable	noted and not applicable for audit period		Compliant
-	strategies, plans or programs at all times.			
	If the submission of any strategy, plan or program is to be staged; then the relevant strategy,			
	plan or program must clearly describe the specific stage/s of the development to which the			
	strategy, plan or program applies; the relationship of this stage/s to any future stages; and the			
	trigger for updating the strategy, plan or program.			
	Notes:			
	While any strategy, plan or program may be submitted on a staged basis, the Applicant will need to			
	ensure that the operations associated with the development are covered by suitable strategies, plans or			
	programs at all times.			
	 If the submission of any strategy, plan or program is to be staged; then the relevant strategy, plan or 			
	program must clearly describe the specific stage/s of the development to which the strategy, plan or			
	program applies; the relationship of this stage/s to any future stages; and the trigger for updating the			
	strategy, plan or program.			
Adaptive Ma	anagement			
	The Applicant must assess and manage development-related risks to ensure that there are no			
	exceedances of the criteria and/or performance measures in Schedule 3. Any exceedance of			
	these criteria and/or performance measures constitutes a breach of this consent and may be			
	subject to penalty or offence provisions under the EP&A Act or EP&A Regulation.			
	Where any exceedance of these criteria and/or performance measures has occurred, the			
	Applicant must, at the earliest opportunity:			
	(a) take all reasonable and feasible steps to ensure that the exceedance ceases and does not			
6	reoccur;			Compliant
6				Compliant
	(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;			
	(c) within 14 days of the exceedance occurring, submit a report to the Secretary describing			
	these remediation options and any preferred remediation measures or other course of action;			
	and			
	(d) implement remediation measures as directed by the Secretary;			
	to the satisfaction of the Secretary.			
Community	Consultative Committee			
	If directed by the Secretary, the Applicant must establish and operate a Community			
1	Consultative Committee (CCC) for the development to the satisfaction of the Secretary. Any			
	such CCC must be operated in general accordance with the Department's Community			
	Consultative Committee Guidelines, November 2016 (or its latest version).			
7	Notes:	CCC not established		Not triggered
	 The CCC is an advisory committee. The Department and other relevant agencies are responsible for 			
	ensuring that the Applicant complies with this consent.			
1	 In accordance with the guidelines, the Committee should comprise an independent chair and 			
	appropriate representation from the Applicant, Council and the local community.			
REPORTING				
Incident Rep	orting			
incluent nep				
	The Applicant must immediately notify the Secretary (using the contact name, email address	n stiftsbile in sidents fallen des Aberl Casel, buckfinger af Aberlandsternter burgt in 1		Consultant
8	and phone number provided by the Department from time to time) and any other relevant	notifiable incidents following the Myal Creek bushfires of the burnt septic; burnt nest boxes.		Compliant
L	agencies of any incident.		1	

Segue Transmission The Application must provide regular reporting on the environmental performance of the feedborners on its weaking, in accordance with the regorting arrangements in any plans of the development on the sourcemental performance of the feedborners on the sourcemental performance of the feedborners on the sourcemental performance of the development in the incomparison of the feedborner in the sourcemental performance on the perfor	8A	Within 7 days of the date of the incident, the Applicant must provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested. This report must include the time and date of the incident, details of the incident, measures implemented to prevent re-occurrence and must identify and non-compliance with this consent.	The information for these incidents following the bushfire were uploaded on the NSW Portal	Compliant
9 development on its scatchics with the reporting anongements in any plans of Weble contains all reports and monitoring events Security of the scatching of the scatching of the scatching of the scatching events Security of the scatching of the scatching of the scatching of the scatching events Security of the scatching event events Secu	Regular Repo	rting		
9r, the null of spectment catury uses, or their timing as may the agreed by the Sectory, the Application trait revew here wromstal performance of the development. In the sector time is the sector tim sector tim sector time is the sector time is the sec	9	development on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this consent.	Website contains all reports and monitoring events	Compliant
Applicant must revel the environmental performance of the development to be statisfactor for de-development (including any rehabilitation) that was carried out in the previous financial year, and the development that is proposed to be carried out or the carrent financial year, and the development that is proposed to be carried out or the carrent financial year, and the development that is proposed to be carried out or the carrent financial year, and the development that is proposed to be carried out or the carrent financial year, and the development that is proposed to be carried out or the carrent financial year. In the monitoring results of provide to propose the carrent down of the development, finite appendixme measure (richard) evelopment that dury regiments of applicat or propose measure (richard) evelopment that dury regiments of applicat or propose measure (richard) evelopment that dury regiments of the development; (i) disertly any non-complicated) years and evelopment the source or plant development; (i) disertly any non-complicated) years and evelopment the source or plant development; (i) disertly any non-complicated) years and evelopment the source or plant development; (i) disertly any non-complicated) years and evelopment the source or plant divergence; and directs otherwise, the Applicant must commission, commence and pay the full cost of an holoppendic trivionmental performance of the development; (i) alter the relevant performance of the development; (i) alter conducted way sublice, pass or oprogram required under the above (ii) factor the relevant performance of the development; (ii) alter conducted way sublice, pass or oprogram required under the above (iii) the conducted way abase of the development; (iii) alter with development;	1			
Image: a directs otherwise, the Applicant must commission, commence and pay the full cost of an independent tarn/ironmental Audit of the development. This audit must: Image: a directs otherwise, the Applicant must commission, commence and pay the full cost of an independent tarn of experts whose appointment has been endorsed by the Secretary; Image: b conducted by a subbly qualified, experienced and independent tarn of experts whose appointment has been endorsed by the Secretary; Image: b conducted by the Sec	10	Applicant must review the environmental performance of the development to the satisfaction of the Secretary. This review must: (a) describe the development (including any rehabilitation) that was carried out in the previous financial year, and the development that is proposed to be carried out over the current financial year; (b) include a comprehensive review of the monitoring results and complaints records of the development over the previous financial year, which includes a comparison of these results against the: • relevant statutory requirements, limits or performance measures/criteria; • requirements of any plan or program required under this consent; • monitoring results of previous years; and • relevant predictions in the documents listed in condition 2(a) of Schedule 2; (c) identify any non-compliance over the past financial 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 financial year to improve the environmental performance of the development.	annual reviews completed by GHD each September	Compliant
Within 12 weeks of commencing this audit, or as otherwise agreed by the Secretary, the	11	directs otherwise, the Applicant must commission, commence and pay the full cost of an Independent Environmental Audit of the development. This audit must: (a) be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary; (b) include consultation with the relevant agencies and (if established) the CCC; (c) assess the environmental performance of the development and whether it is complying with the relevant requirements in this consent and any relevant EPL or necessary water licences for the development (including any assessment, strategy, plan or program required under these approvals); (d) review the adequacy of strategies, plans or programs required under the abovementioned approvals; (e) recommend appropriate measures or actions to improve the environmental performance of the development, and/or any assessment, strategy, plan or program required under the abovementioned approvals; and (f) be conducted and reported to the satisfaction of the Secretary. <i>Note: This audit team must be led by a suitably qualified auditor and include experts in any fields specified</i>		Compliant
	INDEPENDEN	IT ENVIRONMENTAL AUDIT		
Applicant must submit a copy of the audit report to the Secretary, Council, the EPA and any other NSW agency that requests it, together with its response to any recommendations contained in the audit report. The Applicant must implement these recommendations, to the satisfaction of the Secretary.	12	Applicant must submit a copy of the audit report to the Secretary, Council, the EPA and any other NSW agency that requests it, together with its response to any recommendations contained in the audit report.	noted and the IEA will be made available	Compliant
ACCESS TO INFORMATION	ACCESS TO IN	IFORMATION		

13	 Within 6 months of the date of this consent, the Applicant must: (a) make the following information publicly available on its website: the documents listed in condition 2(a) of Schedule 2; current statutory approvals for the development; all approved strategies, plans and programs required under the conditions of this consent; a comprehensive summary of the monitoring results of the development, reported in accordance with the specifications in any conditions of this consent, or any approved plans and programs; a complaints register, updated monthly; the annual reviews of the development; any independent environmental audit, and the Applicant's response to the recommendations in any other matter required by the Secretary; and (b) keep this information up-to-date, to the satisfaction of the Secretary. 	Newman Quarry website contains this required information		Compliant
Appendix 4	- Noise Compliance Assessment			
Applicable N	Aeteorological Conditions			
1	The noise criteria in Table 2 are to apply under all meteorological conditions except the following: a) wind speeds greater than 3 m/s at 10 m above ground level; or b) temperature inversion conditions between 1.5°C and 3°C/100 m and wind speed greater than 2 m/s at 10 m above ground level; or c) temperature inversion conditions greater than 3°C/100 m.	noted - meteorological station installed don top of the weigh bridge office		Compliant
Determinati	on of Meteorological Conditions			
2	Except for wind speed at microphone height, the data to be used for determining meteorological conditions must be that recorded by the meteorological station required under condition 16 of Schedule 3.	noted		Compliant
Compliance	Monitoring		•	
3	A noise compliance assessment must be undertaken within two months of commencement of the proposed increased extraction rate. The assessment must be conducted by a suitably qualified and experienced acoustical practitioner and must assess compliance with noise criteria presented above. A report must be provided to the EPA within 1 month of the assessment.	Noise Compliance Assessment undertaken report and issued to EPA on 24/11/2016		Compliant
	Unless the Secretary agrees otherwise, this monitoring is to be carried out in accordance with the relevant requirements for reviewing performance set out in the NSW Industrial Noise Policy (as amended from time to time), in particular the requirements relating to: a) monitoring locations for the collection of representative noise data;			
4	b) equipment used to collect noise data, and conformity with Australian Standards relevant to such equipment;	Noise Compliance Assessment undertaken report and issued to EPA on 24/11/2016		Compliant
	c) modifications to noise data collected, including for the exclusion of extraneous noise and/or penalties for modifying factors apart from adjustments for duration; and			
	d) the use of an appropriate modifying factor for low frequency noise to be applied during compliance testing at any individual residence if low frequency noise is present (in accordance with the INP) and before comparison with the specified noise levels in the consent.			
Appendix 5	EPA's requirements for the soil and water management plan			
	The Soil and Water Management Plan required under condition 20 of Schedule 3 must: a) describe stormwater management measures to control pollutants at the source and contain them within the site; b) describe erosion and sediment control measures to minimise disturbance of land, minimise water flow through the site and filter, trap or detain sediment;			

1	 c) describe measures to maintain and monitor any stormwater controls; d) describe methods of storage of topsoil and associated erosion and sediment control measures; e) describe waste water treatment measures, including systems for the reuse and/or recycling of waste water and measures for treating the unavoidable discharges from the site to meet specific water quality requirements; 	SWMP (Rev 5) reviewed and approved by DPE	Compliant
	f) describe the size and location of sediment basins for each stage of the quarry development in accordance with the sizing requirements of the Managing Urban Stormwater Soils and Construction: Volume 1 and 2E guidelines based on a minimum standard of 90th percentile five- day rainfall event (75 mm); and		
	g) include a water balance to ensure the design of the volume of sediment basins required for stormwater capture and treatment is not compromised by water storage required for re-use purposes. Such dual purpose basins must be designed and managed to accommodate both stormwater management and water re-use objectives.		



Appendix C Audit plan

NGH Pty Ltd | 230086 - Draft





Audit Plan

Sly's Quarry Independent Environmental Audit (SDD – 6624)

April 2023

Project Number: 230086



Document verification

Project Title:	Sly's Quarry Independent Environmental Audit (SDD – 6624)
Project Number:	230086
Project File Name:	Audit Plan 20230403

Revision	Date	Prepared by	Reviewed by	Approved by
Final	3/04/2023	O. Merrick	N. Arens	N.Arens

NGH Pty Ltd is committed to environmentally sustainable practices, including fostering a digital culture and minimising printing. Where printing is unavoidable, NGH prints on 100% recycled paper.



NSW • ACT • QLD • VIC ABN 31124 444 622 ACN 124 444 622 W, www.nghconsulting.com.au E. ngh@nghconsulting.com.au

BEGA - ACT & SOUTH EAST NSW

Suite 11, 89-91 Auckland Street (PO Box 470) Bega NSW 2550 T, (02) 6492 8333

BRISBANE T3, Level 7, 348 Edward Street Brisbane QLD 4000 T. (07) 3129 7633

CANBERRA - NSW SE & ACT

Unit 8, 27 Yallourn Street (PO Box 62) Fyshwick ACT 2609 T. (02) 6280 5053

GOLD COAST 2B 34 Tallebudgera Creek Road Burleigh Heads QLD 4220 (PO Box 424 West Burleigh QLD 4219) T. (07) 3129 7633

MELBOURNE Level 14, 10-16 Queen Street Melbourne VIC 3000

NEWCASTLE - HUNTER & NORTH COAST

Level 1, 31-33 Beaumont Street Hamilton NSW 2303 T, (02) 4929 2301

SYDNEY REGION Unit 17, 21 Mary Street

Surry Hills NSW 2010 T. (02) 8202 8333 TOWNSVILLE

Level 4, 67-75 Denham Street Townsville QLD 4810 T. (07) 4410 9000

WAGGA WAGGA - RIVERINA & WESTERN NSW 35 Kincaid Street (PO Box 5464) Wagga Wagga NSW 2650 T. (02) 6971 9696

WODONGA Unit 2, 83 Hume Street (PO Box 506) Wodonga VIC 3690 T. (02) 6067 2533

Sly's Quarry Expansion Audit Plan (Agenda) 2023

AUDITED ORGANISATION	PROJECT
Newman's Quarrying Pty Ltd	Sly's Quarry Expansion
LOCATION OF AUDIT	PROPOSED DATE OF SITE AUDIT
Sly's Quarry	Thursday 21 st April 2023
Lot 2 Jackybulbin Road,	
Mororo, NSW	
DEPTH OF AUDIT	SCOPE OF AUDIT
Environmental Approval	Compliance with: State Significant Development Conditions of Consent
	(SDD- 6624)
AUDIT CRITERIA	PROPOSED AUDIT DETAILS
• SDD - 6624	Opening Meeting – 21 st April 2023, 08:30
	Closing Meeting – 21 st April 2023, 15:30
PROJECT REPRESENTATIVES PRESENT	AUDIT TEAM
To be advised	Olivia Merrick, NGH – Lead Auditor
	Whitney Heiniger, NGH – Auditor
AUDIT REPORT	
A final Audit Report is provided to Newman's C	Quarrying at the completion of the audit process.
PREVIOUS AUDIT DATE	PREVIOUS AUDIT REFERENCE
April 2021	Audit Report – Independent Environmental Audit - Sly's Quarry Expansion, Tim Fitzroy and Associates (2021)



Appendix D Independence Declarations and Auditors CVs

6. Appendices

Appendix A – Declaration of Independence Form Template

Declaration of Independence - Auditor

Project Name 514's Quaring
Consent Number 5500 - 6624
Description of Project sandstone + sand quary expansion for cet
Description of Project sand stone + sand quary expension forject Project Address Lot 2 Jackey bulbin Load, Mororo
Proponent Neuman Quarying Pity Ltd
Date 29-03-2023 phy Ltd

I declare that:

- I am not related to any proponent, owner, operator or other entity involved in the delivery of the project. Such a relationship includes that of employer/employee, a business partnership, sharing a common employer, a contractual arrangement outside an Independent Audit, or that of a spouse, partner, sibling, parent, or child;
- ii. I do not have any pecuniary interest in the project, proponent or related entities. Such an interest includes where there is a reasonable likelihood or expectation of financial gain (other than being reimbursed for performing the audit) or loss to the auditor, or their spouse, partner, sibling, parent, or child;
- iii. I have not provided services (not including independent reviews or auditing) to the project with the result that the audit work performed by themselves or their company, except as otherwise declared to the Department prior to the audit;
- iv. I am not an Environmental Representative for the project; and
- v. I will not accept any inducement, commission, gift or any other benefit from auditee organisations, their employees or any interested party, or knowingly allow colleagues to do so.

Notes:

a) Under section 10.6 of the *Environmental Planning and Assessment Act 1979* a person must not include false or misleading information (or provide information for inclusion in) in a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is false or misleading in a material respect. The proponent of an

approved project must not fail to include information in (or provide information for inclusion in) a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is materially relevant to the monitoring or audit. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000; and

 b) The Crimes Act 1900 contains other offences relating to false and misleading information: section 307B (giving false or misleading information – maximum penalty 2 years imprisonment or 200 penalty units, or both)

Name of Proposed Auditor

RAB QSA

Signature

Qualification

Company

) Monagement System Audits. Olivia eadin



KEY PROJECTS

Environmental Management

- Stewardship Maintenance Contract, Sydney West Zone (NSW).
 Environmental approvals for development, post-approval documentation (CEMP and subplans)
- Woolgoolga to Ballina (W2B) Pacific Highway upgrade New South Wales (WSP/ Transport for NSW).
 Environmental management for compliant site-based construction activities, post-approval documentation (CEMP and subplans)
- Wheatstone Liquified Natural Gas construction (W.A). Environmental project management, contractor CEMP and subplan approval, contractor Audits and inspections.
- Harcourt Modernisation water pipeline project (Vic). CEMP drafting and implementation, audits and inspections.
- Gladstone LNG Upstream Roma Coal Seam Gas Compressor station construction (QInd). Lead environmental project management and compliance assurance for all construction activities, post-approval documentation (CEMP and subplans)
- Macedon Gas Plant Onshore Domestic Gas Plant development (W.A.). Lead compliance assurance for all construction activities, postapproval documentation (CEMP and subplans)

Certifications

- Rail Industry Safety Induction (RSN00162392 100 –N.S.W.)
- National OHS General Induction Training – White Card
- Advanced (Level 3) First Aid certification (HLTFA402B)

Olivia Merrick

B. Env Sci (Honours) Law Masters (Construction)

Principal Consultant – Environmental Management

Olivia is environmental management professional, experienced in leading teams to deliver environmental compliance excellence. She has over 20 years consulting, industry and public sector experience. She has delivered complex multidisciplinary projects for major infrastructure construction (rail, highway, pipeline, power transmission); and large-scale resources development (exploration; underground mining; upstream and downstream oil & gas) from a technical base that spans ecology, rehabilitation, acid sulfate soils, contaminated sites, erosion and sediment control and noise management. Olivia has supported clients across Australia.

Her breadth of experience covers heavily scrutinised construction projects. She has been responsible for environmental project management, leading project-scale Management of Change processes (project modifications/ amendments and cascading those to compliance initiatives), developing and implementing compliance tracking programs and establishing environmental management systems. Olivia has also worked extensively on site, developing practical solutions to achieve a best for project result.

Olivia has led audit teams for independent environmental audits in NSW and Western Australia, along with internal environmental due diligence reviews in Victoria and Queensland. She has vast experience in preparing preapproval environmental assessment documentation; and post-approval Construction and Environmental Management Plans and sub-plans. She has held independent environmental representative roles, overseeing and reviewing the delivery of infrastructure projects against environmental management requirements. Oliva has managed and mentored large and diverse teams of environmental professionals. In her role as Principal Consultant (Compliance) at NGH, Olivia uses her expertise to assist the Environmental Management team to deliver environmental compliance excellence for our clients.

Tertiary Qualification

Murdoch University

Bachelor of Science (Environmental Science), Honours

Melbourne Law School

Law Masters (Construction), graduation expected 2024

Environmental Impact Assessment and Planning

- Review of Environmental Factors (REF) for Transport for NSW Environmental Manager for Galston Gorge slope remediation and culvert upgrade works. Extensive traffic management planning and community consultation (road closure and associated detour assessment); significant European heritage considerations (circa 1821 sandstone culverts); and biodiversity values (threatened flora species and fauna habitat)
- Review of Environmental Factors (REF) for Transport for NSW Environmental Manager for Canoelands road upgrade. Extensive government and community consultation (crown lands).
- State Significant Infrastructure (SSI) Transport for NSW, Pacific Highway Upgrade Consistency Assessments for Portion D – Environmental Lead
- State Significant Infrastructure (SSI) Transport for NSW, Ballina Bypass Environmental Impact Assessment Environmental Lead
- Petroleum Pipeline Lease (PPL) Chevron, Wheatstone field Environmental Impact Assessment Environmental Lead
- Project Modifications (4) Gladstone LNG (Qld) Roma Field Environmental Lead
- Environmental Impact Assessment (EIS) Horizontal Directional Drilling and Onshore Pad Macedon Gas Project – Environmental Lead
- Transmission Line Route Selection Studies and Options Analysis (W.A) Environmental Manager
- Environmental Impact Assessment (EIS) Highland Source Project (NSW) Water pipeline route selection
- Review of Environmental Factors (REF) Australian Nuclear Science Technology Organisation (NSW), Expansion Project – Environmental Manager

Environmental Representative

- Environmental Representative (ER) for the Coliban Water Harcourt Modernisation Project, Supply and installation of 45km of HDPE pipeline, transfer pump station construction, Vic.
- Support Environmental Management Representative (EMR) for Pacific Highway Woolgoolga to Ballina, NSW
- Support Environmental Management Representative (EMR) for Pacific Highway Ballina Bypass, NSW

Key Auditing Roles

- Environmental Audit of Portion C construction, Woolgoolga to Ballina Pacific Hwy Upgrade, NSW
- Environmental Audit of the Ballina Bypass construction, NSW
- Environmental Compliance Audit, Macedon Gas Plant construction, W.A.
- Environmental Compliance Audit, Wheatstone Gas Plant construction, W.A

Key Due Diligence reviews

- Environmental Due Diligence, Fairview Coal Seam Gas Hub, Qld
- Environmental Due Diligence, Roma Coal Seam Gas Hub, Qld
- Environmental Due Diligence, Coliban Water Pipeline, Vic.



Key Projects

- Snowy 2.0 Transmission
 Connection CEMP and
 Management Plans
- Visy Pulp and Paper Mill
 Independent Environmental Audit
- Visy Paper Mill Albury
 Independent Environmental Audit
- Jandra Quarry Independent Environmental Audit
- Teven Quarry Independent Environmental Audit
- Catherine McAuley College Medowie Independent Environmental Audit
- Donnybrook Quarry EPBC Audit
- Clarke Creek Wind Farm cBoP
 Environmental Management plans and procedures
- Clarke Creek Wind Farm eBoP
 Environmental Management plans and procedures
- Snowy 2.0 Ravine Road ESC Action Plan
- AIMS Townsville Earthworks Management Plan and Erosion and Sediment Control Plan
- Bango Wind Farm Stockpile Management Plan
- Schmidt Road Realignment ESCP and Site Auditing
- Walla Walla Solar Farm CEMP and Management Plans
- Snowy 2.0 Transmission
 Connection Operational
 Vegetation Management Plan
- Cliff Drive Leura CEMP and ESCP
- Kosciuszko Road Rehabilitation ESCP
- Marshalls Creek Bridge Replacement CEMP and subplans
- Mt Isa Increased Structural Gauge Project PEPA and EDR

Whitney Heiniger

Bachelor of Science (Marine Biology), Bachelor of Environmental Science (Honours), Graduate Certificate in Environmental Management CPESC (Associate)

Senior Environmental Consultant – Environmental Management

Whitney is an environmental professional with nearly five years' experience specialising in environmental management.

Whitney's career to date has focused on providing independent environmental advice on complex civil infrastructure projects. She is a Certified Professional in Erosion and Sediment Control – In Training (CPESC-IT) and has completed Lead Auditor in Environmental Management Systems (ISO 14001:2015 and 19001:2018) training through SAIGlobal.

Whitney is experienced in the development and implementation of environmental management plans, troubleshooting environmental issues that arise on site, auditing and compliance. Her clients have included a wide range of public and private sector organisations on a variety of projects in road and rail infrastructure, water infrastructure. the renewable energy sector, extractive industries and manufacturing. Her auditing experience includes various State Significant Development (SSD) Projects, EPBC-referred Projects and contractually required audits across NSW and Qld.

Tertiary Qualification

RMIT University (Online) Graduate Certificate in Geospatial Science (2022 - Present)

University of Queensland (St Lucia) Graduate Certificate in Environmental Management (2018)

University of Technology (Sydney) Bachelor of Science (Honours) in Environmental Science (2016)

University of Technology (Sydney) Bachelor of Science in Marine Biology (2013 - 2015)

Professional Experience

Environmental Coordinator, Fulton Hogan Construction – 2018 – 2021

 Advising on a comprehensive range of environmental aspects throughout civil construction projects across Queensland and New South Wales as both a sole project Environmental Advisor and as part of small project environmental teams.

 Serviced a range of clients on projects ranging from \$6million to \$850million in value including the Department of Transport and Main Roads, Transport for NSW, Department of Defence, Seqwater, Brisbane City Council, Queensland Rail and Brisbane Airport Corporation.

- Advising on over four regional projects at a time, managing them concurrently.
- Development and implementation of Environmental Management Plans, written in accordance with relevant state and federal legislation as well as client specifications and contractual requirements.
- Environmental aspects managed include legislative permits and approvals; erosion and sediment control; flora, fauna and biosecurity; heritage (Indigenous and European); air quality; water quality; waste and resources; acid sulfate soils (AASS and PASS); contamination; noise and vibration; and chemical management.

Additional Qualifications, Training and Skills

- Certified Professional in Erosion and Sediment Control (CPESC) Associate IECA, 2021
- International Erosion Control Association (IECA) Member
- Infrastructure Sustainability Accredited Professional (ISAP) ISCA, 2021
- Lead Auditor in Environmental Management Systems ISO 14001:2015 & ISO 19011:2018 SAIGlobal, 2019
- ICAM Lead Investigator 2021
- Current Senior First Aider incl. CPR 2021
- Current Mental Health First Aider 2021
- Current Queensland Construction White Card, 2018
- Environmental Awareness and Spill Kit Induction with Practical Spill Response Absorb Environmental, 2020
- National Red Imported Fire Ant Eradication Program Awareness Training DAF, 2019
- Mates in Construction Mental Health Connector 2020
- Full C-Class and R-Class QLD Driver's Licence (Manual)



KEY PROJECTS

Key Road Infrastructure

- Albion Park Rail Bypass
- Heathcote Road
- Empire Bay Road Upgrade
- M7 Motorway & M2 Motorway
- Bringelly Road Upgrade
- Camden Valley Way Upgrade
- Schofields Road Upgrade
- Bega Bypass
- Conjola Mountain Princes Highway
- Karuah to Bulahdelah Bypass
- Bonville Bypass
- Nabiac Bypass
- Nepean River Green Bridge
- Karuah Bypass
- Liverpool to Parramatta Transitway
- Princes Highway Nowra
- Bangor Bypass
- Northern Hum Alliance
- Woomargama Bypass
- Albury Bypass

Marina's and Wharves

- Elizabeth Bay Marina
- Manly Ferry Wharf
- HMAS Platypus
- National Maritime Museum Wharf
- Balls Head Coal Loader Wharf historic site
- Church Point Cargo and Ferry wharves
- Stockton Boat Harbour and Swing Mooring

Department of Planning approved independent auditor for:

- St Marys Intermodal
- Sutherland, Griffith Base, New Maitland & Bowral Hospitals
- Campbelltown Hospital redevelopment
- Albury Bypass Post approval
- Bangor Bypass Post approval

Natascha Arens

BAppSc, MB&EnvMgt CEnvP, MEIANZ

GM – Operations

Natascha launched the Sydney Branch of NGH in 2006. She has around 30 years of professional experience in environmental management and impact assessment and began her career as an ecologist in South Eastern NSW.

She has worked in both the public and private sector in a number of senior management and policy roles. Natascha has a wealth of experience in environmental impact assessment for large infrastructure projects. She is an Exemplar Global Principal Environmental Auditor and has extensive auditing experience across a range of industries, with a focus on infrastructure. She has worked across a diverse range of environments from dry arid areas to alpine environments and subtropical areas.

The diversity of her planning experience coupled with her onsite and project management experience has equipped her with an excellent understanding of environmental issues, legislation and planning in regional and urban environments. Natascha gives clients assurance that NGH will use innovation and breadth of company history to drive sustainable outcomes for projects.

Natascha has a leading role in the operational performance of the company. Instigating improved environmental performance is something Natascha pursues with enthusiasm.

Tertiary Qualification

Southern Cross University, Lismore

Bachelor of Applied Science (Conservation Technology and Management) (1991)

University of Newcastle

Master of Business and Environmental Management (2006)

Professional Experience

GM Operations - NGH Pty Ltd

- Maintenance and compliance with the company Quality & OHS&R System
- Review and monitor major projects, including large Pacific Highway Upgrades, Princes Highway Upgrades, Water and energy infrastructure, M2 and M7 upgrades and maintenance, recreation spaces and masterplans, renewable energy projects and Biodiversity Strategies

Manager Environmental Technology Branch – RTA

 Management of the three sections within the branch (up to 18 full time staff)

- Facilitate improvement of environmental management within the RTA
- Reviewing and overseeing major projects, including major freeway and Highway upgrades. Eg: M7 Motorway, Bulahdelah Bypass

Biodiversity and Sustainability Policy Officer – RTA

- Respond to ministerial enquiries.
- Comment on state and federal legislation changes
- Prepare policy on biodiversity and sustainability
- Prepare and implement RTAs Sustainability Action Plan
- Manage funding for Roadside Environment Committee
- Manage biodiversity related research projects

Environmental Officer, Environmental Projects Section – RTA

- Environmental Management Systems (EMS) auditing
- Preparation of Environmental Management Plans (EMP)
- Review of RTA environmental G specifications and procedures. Update the RMS EMS

Manager Environmental Projects Section (secondment) - RTA

- Maintain registers of projects, financial performance and provide reporting to the branch manager
- Marketing and promotions of services
- Expert Advisor for environmental assessments, management and planning including Pacific Highway Upgrades, and M7 Motorway

Environmental Officer, Environmental Assessments – RTA

- Management and Preparation of Environmental Impact Assessments including Review of Environmental Factors and EIS, including Robinvale Murray River Bridge replacement REF
- Preparation of Representation Reports, proposals and briefing documents, major projects included Liverpool to Parramatta Transitway and Karuah – Bulahdelah EIS and representations report

Environmental Consultant – NGH Pty Ltd

Species impact statements, design and implementation of fauna and flora survey; Preparation of environmental assessment documents in areas where development may impact on the natural environment

Eden District Technical Officer, Threatened Species Unit – NSW NPWS

Update Eden District Incident Action Plan; Implement and maintain fauna databases, TSU GIS management; Process data from field surveys, targeting endangered and locally significant fauna; Liaison and negotiation with NSW State Forest regarding data collection and exchange; Provide technical and professional advice to 33 landholders in preparing a Plan of Management for a Voluntary Conservation Agreement (VCA). Flora and fauna surveys

Additional Qualifications and Skills

- Exemplar Global Certified Environmental Management Systems Auditor (ISO 14001)
- Soil and water and erosion and sediment control training
- Certified Environmental Practitioner
- EIANZ Member
- Certificate II in Bush Regeneration
- Senior First Aid Certificate
- Certificate IV in Assessment and Workplace Training



Appendix E Agency consultation

Olivia Merrick

From:	Development North <
Sent:	Friday, 28 April 2023 1:19 PM
То:	Olivia Merrick
Subject:	NTH13/00051/11 - Upcoming Sly's Quarry expansion project (SSD 6624) scheduled independent
	env audit
Attachments:	NTH13/00051/10 - Pre-DA Advice - Sly's Quarry Traffic Assessment

Hi Olivia

Thank you for contacting Transport for NSW.

It is understood that an Independent Environmental Audit (IEA) of quarry operations under SSD_6624 is being undertaken in accordance with Condition 11 of Schedule 5 of the development consent.

Our key interests are the safety and efficiency of the transport network, the needs of our customers and the integration of land use and transport in accordance with *Future Transport Strategy 2056*.

TIt is requested the audit consider the following;

- Verify that the approved development is operating in accordance with Schedule 2, Condition 8 and 8A.
- Verify records of laden truck movements and the publication of such records in accordance with Schedule 3, Condition 22.
- Review procedures relating to the management of vehicles under Schedule 3, Condition 23 to confirm appropriate measures are in place to ensure vehicles comply with requirements.
- Review the Traffic Management Plan (TMP) required under Schedule 3, Condition 24 of the consent to confirm that all required actions have been completed, in particular the upgrade of the site access to Tullymorgan-Jackybulbin Road and the adoption of a Drivers Code of Conduct.
- Review operating procedures to ensure that measures identified under TMP are being implemented as required under Schedule 3, Condition 25.

TfNSW was recently asked to provide Pre-DA modification advice on a proposed daily increase in laden trucks. This Pre-DA advice identified safety concerns with the U-turn facilities and is considered relevant to the IEA (email of 30 August 2022 attached).

If you would like to further discuss this advice, please contact myself on the number below or Development Services Team on 1300 207 783.

Kind regards

Leisa Sedger

Development Services Case Officer Community and Place | Region North Regional and Outer Metropolitan Transport for NSW

W_transport.nsw.gov.au

76 Victoria Street Grafton NSW 2460

I work flexibly. Unless it suits you, I don't expect you to read or respond to my emails outside of your normal work hours.



Transport for NSW



I recognise and acknowledge that modern New South Wales is an overlay on Aboriginal land and that many of the transport routes of today follow songlines Aboriginal people have followed for tens of thousands of years. I pay my respects to the Aboriginal people of NSW and Elders past and present.

From: Olivia Merrick <olivia.m@nghconsulting.com.au>
Sent: Wednesday, 12 April 2023 1:47 PM
To: Development North <Development.North@transport.nsw.gov.au>
Subject: Upcoming Sly's Quarry expansion project (SSD 6624) scheduled independent env audit

You don't often get email from olivia.m@nghconsulting.com.au. Learn why this is important

CAUTION: This email is sent from an external source. Do not click any links or open attachments unless you recognise the sender and know the content is safe.

Assign to Leisa

Hi Zac,

Thanks for returning my call, I wanted to make contact with TfNSW as we have the next IEA for this project as per consent conditions 6624 (Schedule 5, condition 10) due this month.

We plan to undertake the site audit component 28th April 2023 and are looking to consult with Transport generally, as to any issues or compliance matters you would like us to pay particular attention to.

I've attached the previous audit report undertaken by Tim Fitzroy for reference.

If you have any queries please feel free to give me a call/ email.

Thanks again and chat soon,

Cheers

R dyld#P huulfn# Sulqflsdd#Igylurqp hqwddF rp sddqfh

p 1\$734#85#597# h1 <u>rdyblp C qjkfrqvxodqj frp bbx</u> z 1 <u>gjkfrqvxodqj frp bbx</u>

Olivia Merrick

From:	Olivia Merrick
Sent:	Wednesday, 26 April 2023 12:49 PM
То:	Phil Rose
Subject:	RE: Sly Quarry - DPE Contact

Hi Phil,

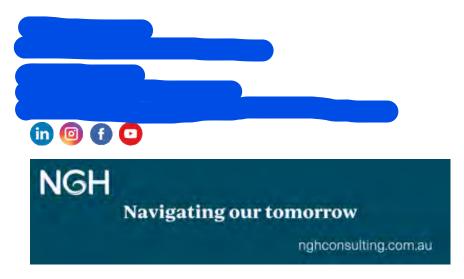
Thanks again for the email follow up, from the desktop components of the audit we've been working through – the quarry appears to be operating as predicted/ assessed; in accordance with development consent and the EPL requirements.

We will visit site this week to undertake the site audit component; is there any items/ issues the Department would like us to specifically address?

If no concerns I will note as such.

Thanks again Phil, have a lovely week,

Cheers



From: Phil Rose <Phillip.Rose@planning.nsw.gov.au>
Sent: Monday, April 17, 2023 11:30 AM
To: Olivia Merrick <olivia.m@nghconsulting.com.au>
Subject: Sly Quarry - DPE Contact

HI Olivia,

I tried calling you today but was unable to get through. So I am providing you with this email with all my contact details if you wish to make contact and discuss any concerns.

Kind Regards

Phillip Rose A/Senior Compliance Officer Planning & Assessment | Department of Planning and Environment



The Department of Planning and Environment acknowledges that it stands on Aboriginal land. We acknowledge the traditional custodians of the land and we show our respect for elders past, present and emerging through thoughtful and collaborative approaches to our work, seeking to demonstrate our ongoing commitment to providing places in which Aboriginal people are included socially, culturally and economically.

If you are submitting a compliance document or request as required under the conditions of consent or approval, please note that the Department is no longer accepting lodgement via <u>compliance@planning.nsw.gov.au</u>.

The Department has recently upgraded the Major Projects Website to improve the timeliness and transparency of its post approval and compliance functions. As part of this upgrade, proponents are now requested to submit all post approval and compliance documents online, via the Major Projects Website. To do this, please refer to the instructions available <u>here</u>.

Olivia Merrick

From:	Olivia Merrick
Sent:	Thursday, 20 April 2023 12:59 PM
То:	Jonathan Yantsch
Cc:	Whitney Heiniger
Subject:	RE: Sly's Quarry expansion project, Mororo - Independent Env. Audit

Hi Jonathan,

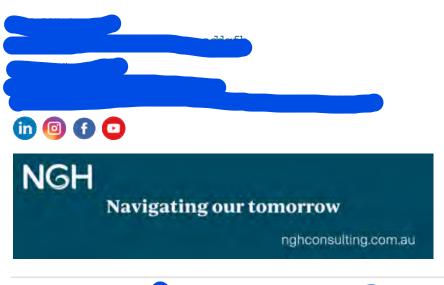
Thank you for the follow up, much appreciated.

The scheduled audit incorporates a review of the management plan documents; inclusive of the Soil and Water Management Plan.

Any deviations noted on site to the requirements of the above mentioned Plan (which was approved by DPE and established to protect surface water quality and therefore the impacts of runoff/ sedimentation to such sensitive receivers) shall be noted. Should any NCRs be found relating to surface water/ sedimentation; recommendations would be put forward for the Quarry management team for action.

Thanks again for the feedback and if there is anything else of concern you would like us to note, by all means feel free to email or phone.

Cheers,



From: Jonathan Yantsck

Sent: Tuesday, April 18, 2023 2:23 PM

To: Olivia Merrick

Subject: RE: Sly's Quarry expansion project, Mororo - Independent Env. Audit

Hi Olivia

Thank you for providing Dpi Fisheries with the opportunity to comment.

For the current audit, DPI Fisheries would reiterate our comments made on the previous audit undertaken by Tim Fitzroy and Associates – refer to Pg. 19.

Please contact me if you have any questions.

Regards

Jonathan

P

Jonathan Yantsch Senior Fisheries Manager, Coastal Systems (North Coast) Marine Estate Management Department of Regional NSW

regional.nsw.gov.au

Wollongbar Agricultural Institute



We stand on Country that always was and always will be Aboriginal land. We acknowledge the Traditional Custodians of the land and waters, and we show our respect for Elders past, present and emerging. We are committed to providing places in which Aboriginal people are included socially, culturally and economically through thoughtful and collaborative approaches to our work.

From: Olivia Merrick Sent: Thursday, 13 April 2023 9:04 AM To: Jonathan Yantsch Subject: Sly's Quarry expansion project, Mororo - Independent Env. Audit

Hi Jonathan,

We have been commissioned by Newman Quarrying to undertake their next scheduled IEA; we plan to attend site 28th April.

I wanted to consult with the Department generally on any issues or concerns wrt to the project.

I've included a link to the previous audit, undertaken by Tim Fitzroy; for reference.

Report Template (newmanquarrying.com.au)

Thanks Jonathon and look forward to hearing back soon,

Cheers





Appendix F Audit frequency direction (DPE)



Mr. Mark Newman 2 Wentworth Street PALMERS ISLAND NSW 2463

13/08/2021

Dear Mr Newman

Sly's Quarry Expansion (SSD-6624) Independent Environmental Audit

Reference is made to the Independent Environmental Audit (IEA) report and Response to Audit Recommendations (RAR) for the Sly's Quarry Expansion, prepared as required by Schedule 5, Condition 11 of SSD-6624 (the **approval**) and submitted to the Department of Planning, Industry and Environment (the **Department**) on 30 June 2021.

The Department considers that the IEA report generally satisfies the reporting requirements of the approval. Please note that acceptance of this report is not endorsement of the compliance status of the project.

As a result of the review, the Department notes the following concerns and/or improvements:

- a) Schedule 5, Condition 13 of SSD-6624 requires a complaint register to be updated monthly. After a review of the project website it appears that the complaint register has not been updated since January 2020. This is a contravention of Schedule 5, Condition 13. Please ensure the information on the project website is updated by 10 September 2021.
- b) Section 5.6.10 of the audit report highlights a concern for the build-up of sediment in the basin that services the wash-down bay for trucks and other site vehicles. The RAR provides a solution by increasing the frequency of maintenance of the basin from six monthly to quarterly. Please provide an update on this matter in the next Annual Review.

The Department highlights that the submission of the IEA was not in accordance with the timing prescribed in Schedule 5, Condition 11. While an extension of time was requested and approved by the Department to June 2021, please be mindful that the next IEA is due by 30 June 2023 in accordance with Schedule 5, Condition 11.

Non-compliances identified in the IEA have been assessed in accordance with the Department's Compliance Policy with the Department on this occasion, determining to record the breaches with no further enforcement action. However, please note that recording the breach does not preclude the Department from taking alternative enforcement action, should it become apparent that an alternative response is more appropriate.

Please include a status update for all actions provided in the RAR in the next Annual Review, until all actions are completed.

If you wish to discuss the matter further, please call Phillip Rose on (02) 6670 8657.

Yours sincerely

Q

Shelley McPhee Compliance Team Leader Compliance As nominee of the Planning Secretary

Independent Audit Slys Quarry Expansion Project

NGH

Appendix G Site photographs

Site inspection photos







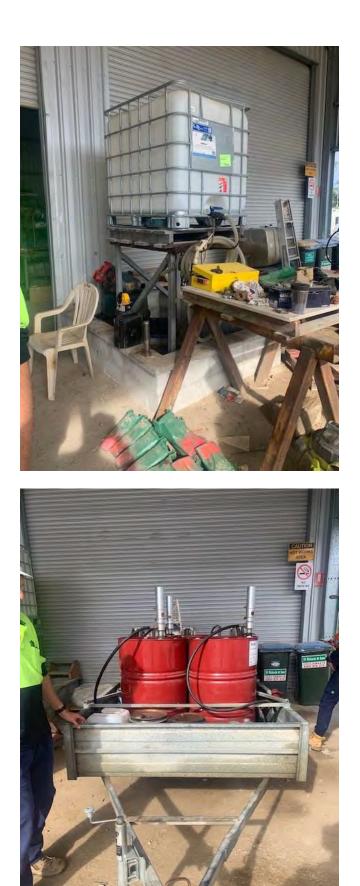




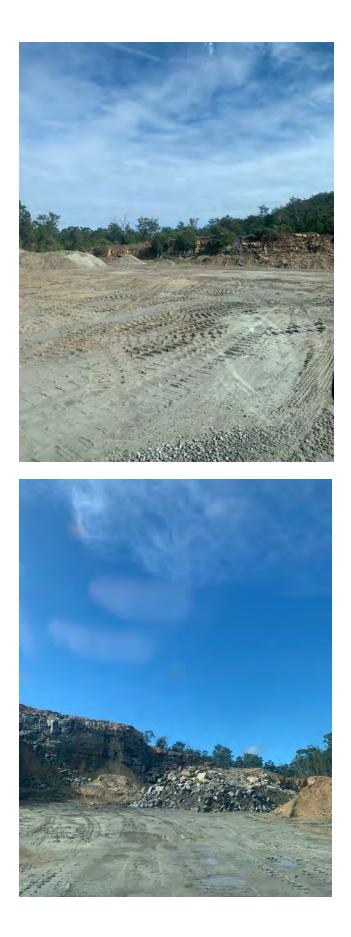




















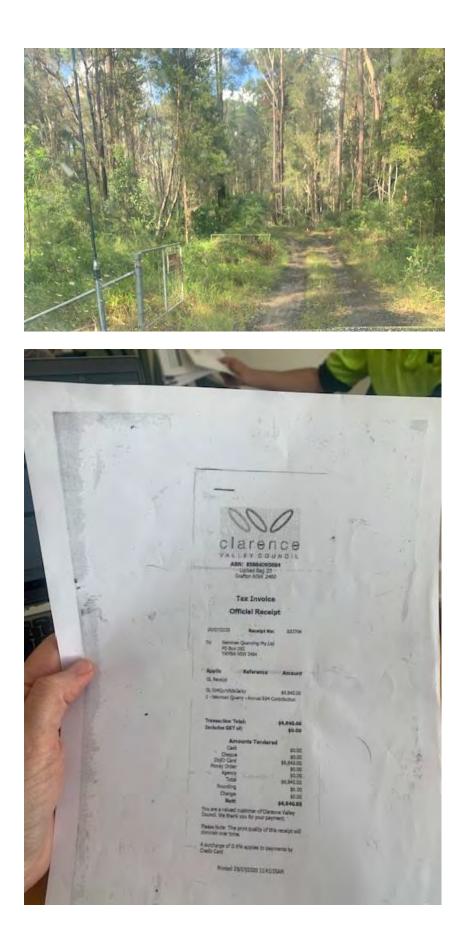




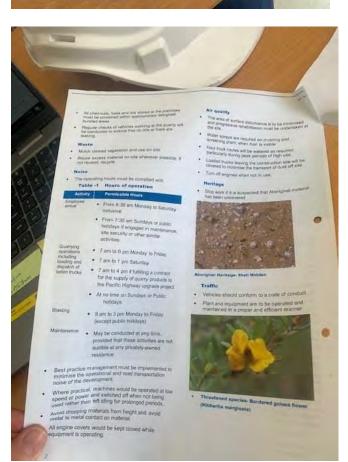












Training Cou	Form 7.5 SHE	Training Date(s)	12-6-18			
Trainers Nam	Transes Name: Sam Turbill		Location: QUARCH			
Trainee No	Traines's Full name	Trainde's Company	Traines Signature (to confirm alteridation)			
	Jeel Boumant Objis Lack CHRIS BEARD Kale Bigs Jonatha Haran Mother Halman miched Hall Star Control Plark Neuman Ala Rolison Statin Folgy	Na Na Na Na Na Na Na Na Na Na Na	And			
am 1	UIAII Crain	ers Signature	Date 13 16118			

20	023 Cur	rent	Pla	nne	r					
F	SAN JANK	112	ALLANY -			APPE		U.P	294	
2.40										
Tat			71	1			-	7. T.		
The		1	ar		71		-	1	1	
Ŧn		- 3		1	E			K.	-	
Sat		4		4		1			1	
Son		1		1		1	10	1 8	1	
Mon	1	1		7		3	15	1	1	
Wet		R		1		1	4	10.	1	
Thu	15 45	1	Z	1			-	41		
Fit	1 1	前		12		1	3	17	3	
Set	1	11				8		18	10	
Sun	*	12		tI-	34	4		.16	12	-
Mon Tue	16	14		14	6	11		16	13	
Wet		15	1)	15		12			36	
Thu	12	38		18.1		13		.18	15	
Ŧri						16		19	16	
Sat	14	18		18		13		23	17.	
Sim	19	19		15		語		31	178	
Mon	15	20	1	70		11	Ţ	122	20	
Tun	17	21		21	.10	1.19		24	21	
Wid	18	22		22	1.9	20		25	22	
the	18 20 32 5~~	24	14	24		21	7		21	
Fri	21 6	10	-14	IN.	q	12		22	24	
Sun	77	T		178		E		28	3	
Man	23	27		17		24	F	- 79	70	
Ten	H J.	28		78	8	15		30	-77	
Weit	25			25	ß	1/201	IT.		78	
Thu	26			30/		27	-2-	+	19	
Fri	17			35		211			30	
Sir	m iz	-				20		1		
Sun	28 8.7					30				
	30	1								
	21 27									
Tue	JAYNIANY	-	TRACET	-	ARREN.	100				

NGH

NGH Pty Ltd

NSW • ACT • QLD • VIC

ABN 31 124 444 622 ACN 124 444 622

E: ngh@nghconsulting.com.au

GOLD COAST

2B 34 Tallebudgera Creek Road Burleigh Heads QLD 4220 (PO Box 424 West Burleigh QLD 4219)

T. (07) 3129 7633

SYDNEY REGION

Unit 17, 21 Mary Street Surry Hills NSW 2010

T. (02) 8202 8333

BEGA

Suite 11, 89-91 Auckland Street (PO Box 470) Bega NSW 2550

T. (02) 6492 8333

MELBOURNE

Level 14, 10-16 Queen Street Melbourne VIC 3000

T: (03) 7031 9123

TOWNSVILLE

Level 4, 67-75 Denham Street Townsville QLD 4810 T. (07) 4410 9000

1. (01) 1110 0000

BRISBANE

T3, Level 7, 348 Edward Street Brisbane QLD 4000

T. (07) 3129 7633

NEWCASTLE - HUNTER & NORTH COAST

Level 1, 31-33 Beaumont Street Hamilton NSW 2303

T. (02) 4929 2301

WAGGA WAGGA - RIVERINA & WESTERN NSW

35 Kincaid Street (PO Box 5464) Wagga Wagga NSW 2650

T. (02) 6971 9696

CANBERRA

Unit 8, 27 Yallourn Street (PO Box 62) Fyshwick ACT 2609

T. (02) 6280 5053

SUNSHINE COAST

Suite 101, Level 2/30 Main Drive Birtinya QLD 4575

(07) 4410 9000

WODONGA

Unit 2, 83 Hume Street (PO Box 506) Wodonga VIC 3690 T. (02) 6067 2533

Appendix D Nest Box Monitoring report



Ref: 3702223: NewmansQuarrying/NestBoxMonitoringEpisode7

20th August 2022 Newman's Quarrying PO Box 292 Yamba NSW 2464 Attention: Mark Newman

Re: Nest Box Monitoring - Episode 7 of Stage 1 - Lot 2 DP 1055044 Tullymorgan-Jackybulbin Road

1.0 - Introduction

The proposal to expand quarrying operations at Lot 2 DP 1055044 Tullymorgan-Jackybulbin Road was approved by the Minister for Planning on the 5th May 2016 (SSD 6624). The preparation of a Nest Box Management Plan was identified as an additional requirement from the EIS (GHD 2015) and Biodiversity and Rehabilitation Management Plan (GHD 2017). This Plan identified nest boxes be installed in a number of stages, the first stage specified that prior to the clearing of vegetation, 12 nest boxes would be installed to provide habitat for any displaced hollow dependent fauna. These were installed in February 2018 followed by additional stages of nest box installation over three separate time periods in October, November and December of 2021 to accommodate the remainder of clearing operations associated with the approved expansion.

In accordance with the Nest Box Plan of Management, monitoring must be undertaken twice per year for a period of five years.

The following is a summary of past nest box monitoring events:

Year 1 with episode 1 performed in October 2018. This survey found three of the 12 (25%) nest boxes showed signs of occupation. Two of the medium sized nest boxes (numbers 6 and 8) had glider leaf nests in them whilst the large nest box designed for small owls had been recently used by a possum, presumably a Common Brushtail Possum (*Trichosurus vulpecula*). The second round of monitoring in April 2019 (episode 2) found six of the 12 (50%) nest boxes showed signs of occupation. This included a Gould's Long-eared Bat (*Nyctophilus gouldi*) using Nest Box 1 (two chamber bat box) along with an active marsupial glider nests in Nest Box 4 (Parrot design), Nest Box 6 (parrot design) and Nest Box 8 (rear entry glider). Older signs of occupation were recorded in Nest Box 3 (small possum) with a disused glider nest and Nest Box 10 (small owl) with a possum nest.

At the end of Year 1, no feral species (i.e. European Honey Bee or Common Myna) were recorded using the nest boxes and only some minimal maintenance was required to remove ants using a medium sized parrot box (Nest Box 9) and some repositioning of Nest Box 11 so that it remained in a firm position in the recipient tree.



Year 2 where the first round of monitoring was performed shortly after the Myall Creek Bushfire which burnt through the site on the 20-21 November 2019. Sampling on the 28th December 2019 (episode 3) found eight of the 12 (67%) nest boxes had been destroyed by the fire. Of the remaining four nest boxes, two were found to contain wildlife with two Sugar Gliders (*Petaurus breviceps*) using Nest Box 4 and a Common Brushtail Possum (*Trichosurus vulpecula*) using Nest Box 11. A follow up survey in September 2020 (episode 4) found both of the nest boxes had been unused for some time. From a maintenance perspective, no feral species (i.e. European Honey Bee or Common Myna) were recorded using the four nest boxes that remain undamaged from the fire and there was a recommendation to replace those boxes lost in the fire during the next round of monitoring.

Year 3 with episode 5 performed on the 2nd May 2021 where three of the twelve (25%) nest boxes showed recent signs of use by native wildlife. Nest Box 1 was occupied by two Gould's Long-eared Bats (*Nyctophilus gouldi*) whilst a Sugar Glider (*Petaurus breviceps*) was found in Nest box 10. Some leaves consistent with Brushtail Possum was observed in Nest box 2 and is likely to be a Common Brushtail Possum (*Trichosurus vulpecula*). Two of the inhabited nest boxes were replacement boxes installed after the 2019 wildfire. During the second round of sampling in September 2021, just one of the twelve nest boxes showed recent signs of use by native wildlife. Nest box 8 was a replacement nest box following the fires and contained some leaves that weren't present during the last round of monitoring. A number of the remaining nest boxes showed aged signs of use which has been captured during previous monitoring events.

The current round of monitoring represents:

- The first episode for Year 4 for the 12 nest boxes installed back in February 2018 and
- First episode for Year 1 for the 72 nest boxes installed in spring/summer of 2021.

2.0 - Episode Six Monitoring Details

The site was accessed on the 12 and 13th August 2022 for the purposes of inspecting all 84 installed nest boxes. Nest boxes from Stage 1 were originally scheduled for inspection in Autumn 2022 but this was delayed whilst the nest boxes from Stage 2 (installed in spring/summer 2021) had sufficient establishment time and for the clearing operations to have been finalized in Stage 2 works area.

A ladder with a fall arrest (belay and harness) system was used to access each nest box so that wildlife could be positively identified and any 'quick fix' maintenance activities could be performed at that time.



3.0 - Monitoring Results

Eleven (13%) of the 84 nest boxes showed signs of use by native wildlife. This included observations of Sugar Glider in two nest boxes where at least two individuals and Gould's Long-eared Bat at two boxes where single individuals were recorded (Plate 3-1). Indirect signs in the form of nesting materials were observed at the remaining eight boxes and included glider nests, ringtail nests and a shallow cupped area of leaves indicative of brushtail possum use.

No feral or pest species in the form of introduced birds or bee hives were recorded. Termites and Golden Spiny Ant were recorded in or near a number of the nest boxes.

Maintenance activities were limited to some rewiring works, nest box repositioning and some lid adjustments. Termites are still active in Nest Box 4, a parrot design box that has been previously used by Sugar Glider in the past. This box remains in a functional state but is not likely to for much longer. A number of the newly installed nest boxes have been constructed in such a way there is large gaps present in the floor and walls of the nest box or with the drying of the timber they have split (Plate 3-2).



Plate 3-1. Twin chambered bat box utilized by Gould's Long-eared Bat.





Plate 3-2. Recently installed nest box with ringtail possum use. Note the large splits in the rear timber wall.



4-0 - Discussion and Conclusion

Eighty-four (84) or 56% of the proposed 150 nest boxes have now been installed and considered operational as part of the nest box plan of management (GHD 2017). This represents the 12 nest boxes from stage 1 and 72 (96%) of the 75 nest boxes from stage 2 (Table 4-2 in GHD 2017). It is unclear when the remaining 67 nest boxes will be installed as the clearing and expansion is staged.

This round of monitoring required the inspection of substantially more nest boxes than previous monitoring episodes (e.g. Lewis 2018; Lewis 2019; Lewis 2020; Lewis 2021). With this, there were more observations of fauna and the fact that animals were detected in the recently installed nest boxes suggests that it has assisted in providing refuge, roost and den opportunities during and immediately after the staged clearing. It has therefore been a successful mitigation technique.

Nest box inspections recorded two types of possum, one type of glider and bat using the boxes but not birds, scansorial mammals (i.e. antechinus) or arboreal reptiles (i.e. Lace Monitor). This is not an uncommon finding and is consistent with past nest box monitoring on large linear projects such as the Pacific Motorway Upgrade (e.g. Lewis 2011; Lewis 2017). Although the study site and surrounding landscape contains numerous tree hollows, fauna populations are likely to be recovering from the wildfire event in November 2019 which burnt all of the site and surrounding landscape. This fire also destroyed numerous hollow bearing trees including a large number of prominent overstorey eucalypts, some of which remain now as stags (i.e. dead trees).

Nest box maintenance requirements were relatively straight forward with some rewiring and repositioning works whilst some screws had to be added to one of the parrot boxes. Most importantly, all of the 84 boxes remained in place and considered functional. It is a little premature to suggest the functionality is compromised in those nest boxes with large gaps (Plate 4-1). A ringtail possum nest was recorded in one of these boxes during this round of monitoring. If these boxes become disproportionally unused during future monitoring episodes some consideration should be given to cladding the gaps.





Plate 4-1. Example of nest box with gaps on the walls and floor allowing sunlight, wind and rain egress.

Should you require any additional information please contact me at your convenience.

Kind Regards,

Ben Lewis Lewis Ecological Surveys



References

GHD (2015). Environmental Impact Statement. Prepared for Proposed Quarry Expansion at Lot 2 DP 1055044, Tullymorgan-Jackybulbin Road, Mororo

GHD (2017). Slys Quarry Nest Box Plan of Management. Report prepared for Newman Quarrying Pty Ltd.

GHD (2017a). Biodiversity and Rehabilitation Management Plan. Prepared for Quarry Expansion at Lot 2 DP 1055044, Tullymorgan-Jackybulbin Road, Mororo

Lewis, B. D (2011). Nest Box Monitoring – Kempsey Bypass Project. Report prepared for Kempsey Bypass Alliance by Lewis Ecological Surveys.

Lewis, B. D (2017). Nest Box Monitoring – Kundabung to Kempsey Pacific Motorway Project. Report prepared the K2K Joint Venture by Lewis Ecological Surveys.

Lewis, B. D (2018). Nest Box Monitoring – Episode 1 (Spring 2018). Stage 1 Slys Quarry Tullymorgan. Report prepared for Newman Quarrying by Lewis Ecological Surveys.

Lewis, B. D (2019). Nest Box Monitoring – Episode 2 (May 2019). Stage 1 Slys Quarry Tullymorgan. Report prepared for Newman Quarrying by Lewis Ecological Surveys.

Lewis, B. D (2020). Nest Box Monitoring – Episode 3 (January 2020). Stage 1 Slys Quarry Tullymorgan. Report prepared for Newman Quarrying by Lewis Ecological Surveys.

Lewis, B. D (2021). Nest Box Monitoring – Episode 6 (September 2021). Stage 1 Slys Quarry Tullymorgan. Report prepared for Newman Quarrying by Lewis Ecological Surveys.



	A1. Nes	Nest							nitoring episo Dctober 2018)		1 - Monitor	ng Episode 2	? (April 2019)	Year 2 -	Monitoring	Episode 3 (D	ecember 2019)	Year	2 - Monitor	ing Episode -	(September 2020)
allation Date	Box Number	Box Size	Nest Box Type	Easting Northing	Tree Species																
						Fauna Use	Feral Animal Activity	Nest Box Condition	Maintenance Requirements	Fauna Use	Feral Animal Activity	Nest Box Condition		Fauna Use	Feral Animal Activity	Nest Box Condition	Maintenance Requirements	Fauna Use	Feral Animal Activity	Nest Box Condition	Maintenance Requirements
								Good	Nil	Gould's Long-		Good	Nil	Nil	Nil	Functional	Survived Fire	Nil	Nil	Functional	Nil
02/2018	1	Small	Microbat (2 chamber)	518703 6758648	Pink Bloodwood	Nil	Nil	Good	Nil	eared Bat	Nil	Good	Nil	na	na	Destroyed	Replace with	na	na	New	Update register to
)2/2018	2	Medium	Barn Owl	518703 6758648	Pink Bloodwood	Nil	Nil	0000		Ants	Nil	0000		na	Па	by fire	new box	na	na	Cyplas Nest Box	"Barn Owl" Installed
02/2010	2	Cmall	Microbat (2	518659	Needlebark	NU	Nil	Good	Nil	Glider nest -	N111	Good	Nil	na	na	Destroyed by fire	Replace with new box	na	na	New Cyplas	Update register to "Microbat Box"
02/2018	3	Small	chamber)	6758655	Stringybark	Nil	INII	Good	Nil	old Glider	Nil	Good	Nil	Sugar Glider x	Nil	Functional	Survived Fire	Old glider	Nil	Nest Box Functional	Installed Cleaned some ant nest and spider web
02/2018	4	Medium	Parrot	518659 6758655	Needlebark Stringybark	Nil	Nil			nest (active)	Nil			2				nest			material from entrance
								Good	Nil			Good	Nil	na	na	Destroyed by fire	Replace with new box	na	na	New Cyplas Nest Box	Update register to new show new tree location and
02/2018	5	Small	Microbat (2 chamber)	518707 6758662	Needlebark Stringybark	Nil	Nil	Cood	NU	Nil	Nil	Cood	NU			Destroyed	Doploco with			Now	"Microbat Box" installed
						Glider nest -		Good	Nil	Glider nest (active) -		Good	Nil	na	na	Destroyed by fire	Replace with new box	na	na	New Cyplas Nest Box	Update register to new show new tree location and
02/2018	L	Madium	Dorrot/pightion	518707 6758662	Needlebark Stringybark	Sugar or Squirrel	Nil			Sugar or Squirrel Glider	Nil										"Parrot/Nightjar Box" installed
02/2018	6	weatum	Parrot/nightjar Microbat (2	518565	Rough- barked	Glider	INII	Good	Nil	Gildei		Good	Nil	na	na	Destroyed by fire	Replace with new box	na	na	New Cyplas	Update register to "Rear Entry Glider
02/2018	7	Small	chamber)	6758642	Apple	Nil	Nil	Good	Nil	Nil Glider	Nil	Good	Nil	na	na	Destroyed	Replace with	na	na	Nest Box New	Box" installed Update register to
					Rough-	Glider nest - Sugar or				nest (active) - Sugar or						by fire	new box			Cyplas Nest Box	"Possum Box" installed
02/2018	8	Medium	Rear Entry Glider	518565 6758642	barked Apple	Squirrel Glider	Nil			Squirrel Glider	Nil										
					Rough-		Ants –	Good	Clean entrance – completed on		Ants –	Good	Clean entrance again – completed	na	na	Destroyed by fire	Replace with new box	na	na	New Cyplas Nest Box	Update register to new show new tree location and "Large
02/2018	9	Large	Glider (large rear entry)	518660 6758644	barked Apple	Nil	native spp		the day	Nil	native spp		on the day								Rear Entry Glider Box" installed
						Possum nest -		Good	Nil	Possum nest (old) -		Good	Nil	na	na	Destroyed by fire	Replace with new box	na	na	New Cyplas Nest Box	Update register to new show new tree location and "Parrot
				510//0	Rough-	Probably Common				Probably Common											Box" installed
02/2018	10	Medium	Parrot Box	518660 6758644	barked Apple	Brushtail Possum	Nil	Good	Readjusted in	Brushtail Possum	Nil	Good	Readjusted in	Nil	Nil	Functional	Survived Fire	Nil	Nil	Functional	Survived Fire
			Dessum	518588	Pink				tree to firmly position –				tree to firmly position –								
02/2018	11	Large	Possum (large)		Bloodwood	Nil	Nil	Good	completed on the day Nil	Nil	Nil	Good	completed on the day Nil	Common	Nil	Functional	Survived Fire	Old	Nil	Functional	Survived Fire
02/2010	12	Medium	Possum	518588	Pink	Nii	Nil			Nil	Nil			Brushtail Possum x 1				signs of brushtail			
02/2018 allation	Nest Box	Nest Box	(small) Nest Box	Easting	Tree			ing Episode 5	(May 2021)			Episode 6 (S	eptember 2021)		Y	ear 4 - Monito	ring Episode 7 (A	possum August 2022)		11
Date	Number	Size	Туре	Northing	Species	Fauna	Feral	Nest Box Condition		Fauna	Feral	Nest Box				Feral Ar		est Box andition	Mainte Reguire		
						Use Gould's	Animal Activity Nil	Functional	·	Use	Animal Activity	Condition	Requirements Nil	Faur	a Use	Activi		munion	Nil		
		Small	Microbat (2 chamber)	518703	Pink Bloodwood	Long- eared															







						Few	Nil	Functional	Nil				Nil	Nil	Nil		Nil
						leaves -											
				518703	Pink	possible											
6/02/2018	2	Medium	Barn Owl	6758648	Bloodwood	possum				Nil	Nil	Functional				Functional	
			Microbat (2	518659	Needlebark	Nil	Nil	Functional	Nil				Nil	Nil	Nil		Nil
6/02/2018	3	Small	chamber)	6758655	Stringybark					Nil	Nil	Functional				Functional	
						Old	Nil	Functional	Nil				Treat for	Nil	Termites	Deteriorating	Monitor until
						glider							termites during				becomes
				518659	Needlebark	nest							next round of				dysfunctional
6/02/2018	4	Medium	Parrot	6758655	Stringybark					Nil	Termites	Functional	monitoring				
			Microbat (2	518707	Needlebark	Nil	Nil	Functional	Nil				Nil	Gould's Long-eared	Nil		Nil
6/02/2018	5	Small	chamber)	6758662	Stringybark					Nil	Nil	Functional		Bat		Functional	
				518707	Needlebark	Nil	Nil	Functional	Nil				Nil	Nil	Nil		Nil
6/02/2018	6	Medium	Parrot/nightjar	6758662	Stringybark					Nil	Nil	Functional				Functional	
					Rough-	Nil	Nil	Functional	Nil				Nil	Nil	Nil		Nil
			Microbat (2	518565	barked												
6/02/2018	7	Small	chamber)	6758642	Apple					Nil	Nil	Functional				Functional	
					Rough-	Nil	Nil	Functional	Nil				Nil	Nil	Nil		Nil
			Rear Entry	518565	barked					Older							
6/02/2018	8	Medium	Glider	6758642	Apple					leaves	Nil	Functional				Functional	
					Rough-	Nil	Nil	Functional	Nil				Nil	Nil	Nil		Nil
			Glider (large	518660	barked												
6/02/2018	9	Large	rear entry)	6758644	Apple					Nil	Nil	Functional				Functional	
					Rough-	Sugar	Nil	Functional	Nil				Nil	Nil	Nil		Nil
				518660	barked	Glider											
6/02/2018	10	Medium	Parrot Box	6758644	Apple					Nil	Nil	Functional				Functional	
			Possum	518588	Pink	Nil	Nil	Functional	Nil				Nil	Nil	Nil		Adjustment
6/02/2018	11	Large	(large)	6758616	Bloodwood					Nil	Nil	Functional				Functional	
			Possum	518588	Pink	Nil	Nil	Functional	Nil				Nil	Nil	Nil		Adjustment
6/02/2018	12	Medium	(small)	6758616	Bloodwood					Nil	Nil	Functional				Functional	



9 | P a g e



Table A2. Nest box register for Stage 2 (southern zone) in Year 1 encompassing monitoring episode 1.

Installation Date	Nest Box Number	Nest Box Size	Nest Box Type	Easting Northing	Tree Species		Year 1 - Mon	itoring Episode 1 (August 2022	?)
						Fauna Use	Feral Animal Activity	Nest Box Condition	Maintenance Requirement
Adjacent Entrance									
Summer 2021	13	Small	Microbat (2 chamber)	518680 6758075	Angophora	Nil	Nil	Functional	Nil
Summer 2021	14	Medium	Parrot Box	518680 6758075	Angophora	Nil	Nil	Functional	Readjust on tree as lid tight
Summer 2021				518675		Nil	Nil	Functional	Nil
Summer 2021	15	Large	Owl	6758071 518675	Coastal Blackbutt	Nil	Nil	Functional	Review the functionality of gaps
Summer 2021	16	Medium	Glider	6758071 518687	Coastal Blackbutt			Functional	Review the functionality of gaps
	17	Large	Cockatoo/Owl	6758069	Swamp Box	Nil	Nil		
South of Stage 2				540(00					
Spring 2021	18	Medium	Possum	518692 6758053	Angophora	Nil	Nil	Functional	Review the functionality of gaps
Spring 2021	19	Medium	Glider	518692 6758053	Angophora	Golden-tailed Spiny Ant	Nil	Functional	Nil
Spring 2021				518682		Nil	Nil	Functional	Nil
Spring 2021	20	Small	Microbat (2 chamber)	6758037 518682	Coastal Blackbutt			Functional	Review the functionality of gaps
Spring 2021	21	Medium	Possum	6758037 518694	Coastal Blackbutt	Nil	Nil Nil	Functional	Nil
	22	Small	Microbat (2 chamber)	6758038	Angophora	1111	1 11		
Spring 2021	23	Medium	Possum	518694 6758038	Angophora	Nil	Nil	Functional	Review the functionality of gaps
Spring 2021	24	Large	Cockatoo/owl	518707 6758021	Angophora	Nil	Nil	Functional but lid starting to delaminate	Monitor
Spring 2021		Ť		518716				Functional	Review the functionality of gaps
Spring 2021	25	Medium	Glider	6758024 518716	Angophora	Nil	Nil	Functional	Review the functionality of gaps
Spring 2021	26	Large	Owl	6758024 518725	Angophora	Nil	Nil	Functional	Review the functionality of gaps
	27	Medium	Lorikeet/Parrot	6758025	Coastal Blackbutt	Nil	Nil		,
Spring 2021	28	Medium	Glider	518725 6758025	Coastal Blackbutt	Nil	Nil	Functional	Lid adjustment
Spring 2021	29	Small	Microbat (2 chamber)	518721 6758010	Needlebark Stringybark	Nil	Nil	Functional	Nil
Spring 2021				518721				Functional	Nil
Spring 2021	30	Medium	Lorikeet/Parrot	6758010 518713	Needlebark Stringybark	Golden-tailed Spiny Ant Nil	Nil Nil	Functional	Nil
	31	Small	Microbat (2 chamber)	6757984 518713	Turpentine			Functional	
Spring 2021	32	Medium	Glider		Turpentine	Golden-tailed Spiny Ant	Nil	Functional	Nil
Spring 2021	33	Large	Owl/Cockatoo			Nil	Nil	Nil	Functional
Spring 2021	34	Medium	Parrot			Nil	Nil	Nil	Functional
Spring 2021	35	Small	Small Glider			Nil	Nil	Nil	Functional
Spring 2021	36	Large	Owl/Cockatoo			Nil	Nil	Nil	Functional
Spring 2021	37	Small	Small Glider			Sugar Glider x 2	Nil	Nil	Functional
Spring 2021	38	Medium	Parrot			Nil	Nil	Nil	Review the functionality of gaps
Spring 2021	39	Small	Small Glider			Individual leaves	Nil	Nil	Functional
Spring 2021	40	Medium	Parrot			Nil	Nil	Nil	Review the functionality of gaps
Spring 2021	41	Small	Microbat (2 chamber)			Nil	Nil	Nil	Functional
Spring 2021	42	Small	Small Glider			Golden-tailed Spiny Ant	Nil	Nil	Functional with re-wire and lid adjustment
Spring 2021	43	Small	Microbat (2 chamber)			Nil	Nil	Nil	Functional
Spring 2021	44	Medium	Possum			Golden-tailed Spiny Ant	Nil	Nil	Functional
Spring 2021	45	Small	Microbat (2 chamber)			Nil	Nil	Nil	Functional

10 | P a g e



) L	E								
	EC	OLC	JGICAL	Easting			Year 1 - Mo	nitoring Episode 1 (August 202	22	
Installation Date	Nest Box Number	Nest Box Size	Nest Box Type	Northing	Tree Species			Nest Box Condition	Maintenance Requirements	
Spring 2021						Fauna Use Golden-tailed Spiny Ant	Feral Animal Activity	Nest Box condition	Functional	
Spring 2021	46	Small	Small Glider			Nil	Nil	Nil	Functional	
Spring 202 i	47	Small	Scansorial			i vii	Nil	Nil		
Spring 2021	48	Medium	Parrot			Nil	Nil	Nil	Functional	
Spring 2021	49	Small	Scansorial			Golden-tailed Spiny Ant	Nil	Nil	Review the functionality of gaps	
Spring 2021	50	Medium	Possum			Common Ringtail Possum	Nil	Nil	Review the functionality of gaps	
Spring 2021	51	Large	Owl/Cockatoo			Nil	Nil	Nil	Functional	
Spring 2021	52	Small	Microbat (2 chamber)			Nil	Nil	Nil	Functional	
Spring 2021	53	Medium	Parrot			Nil	Nil	Nil	Functional	
Spring 2021	54	Small	Microbat (2 chamber)			Nil	Nil	Nil	Functional	
Spring 2021	55	Medium	Parrot			Nil	Nil	Nil	Functional	
Spring 2021	56	Medium	Parrot			Golden-tailed Spiny Ant	Nil	Nil	Functional	
Spring 2021	57	Small	Scansorial			Nil	Nil	Nil	Functional	
ast of stage 2										
ummer 2021	58	Medium	Possum		Grey Ironbark	Nil	Nil	Functional	Nil	
mmer 2021	59	Small	Microbat (2 chamber)		Grey Ironbark	Nil	Nil	Functional	Nil	
mmer 2021	60		Owl		Small-fruited Grey Gum	Nil	Nil	Functional	Nil	
mmer 2021	61	Medium	Possum		Small-fruited Grey Gum	Nil	Nil	Functional	Nil	
mmer 2021	62	Small	Scansorial		Small-fruited Grey Gum	Nil	Nil	Functional	Nil	
mmer 2021	63	Medium	Possum		Small-fruited Grey Gum	Nil	Nil	Functional	Re-wire	
immer 2021	64	Small	Microbat (2 chamber)		Small-fruited Grey Gum	Nil	Nil	Functional	Nil	
ummer 2021	65	Medium	Glider		Small-fruited Grey Gum	Sugar Glider x 2	Nil	Functional	Nil	
immer 2021	66	Medium	Possum		Spotted Gum	Nil	Nil	Functional	Nil	
Immer 2021						Gould's Long-eared Bat x	Nil	Functional	Nil	
ummer 2021	67	Small	Microbat (2 chamber)		Spotted Gum	1		Functional	Review the functionality of gaps	
immer 2021	68	Medium	Possum		Spotted Gum	Nil	Nil	Functional	Nil	
immer 2021	69	Medium	Glider		Spotted Gum Spotted Gum	Nil	Nil	Functional	Nil	
ummer 2021	70	Small	Microbat (2 chamber)		Spotted Gum	Glider nest	Nil	Functional	Nil	
ummer 2021	71	Small	Glider		Small-fruited Grey Gum	Glider nest	Nil	Functional	Nil	
Immer 2021	72	Medium	Parrot		Small-fruited Grey Gum	Nil	Nil	Functional	Nil	
ummer 2021	73	Small	Microbat (2 chamber)		Spotted Gum	Nil	Nil	Functional	Nil	
Immer 2021	74	Small	Glider		Spotted Gum	Nil	Nil	Functional	Nil	
Immer 2021	75	Medium	Parrot		Spotted Gum	Glider nest	Nil	Functional	Nil	
Immer 2021	76	Small	Glider		Spotted Gum	Nil	Nil	Functional	Nil	
mmer 2021	77	Small	Microbat (2 chamber)					Functional	Review the functionality of gaps	
mmer 2021	78	Large	Wood duck / Small Owl		Spotted Gum	Nil	Nil	Functional	Review the functionality of gaps	
mmer 2021	79	Medium	Possum		Grey Ironbark	Nil	Nil	Functional	Nil	
immer 2021	80	Small	Glider		Grey Ironbark Small-fruited Grey Gum	Brushtail Possum – Bark	Nil	Functional	Nil	
	81	Medium	Possum		-	and Leaves				
Immer 2021	82	Small	Microbat (2 chamber)		Small-fruited Grey Gum	Nil	Nil	Functional	Nil	
Immer 2021	83	Medium	Possum		Small-fruited Grey Gum	Nil	Nil	Functional	Nil	
ummer 2021	84	Medium	Parrot		Small-fruited Grey Gum	Glider Nest	Nil	Functional	Re-wire as lid very tight	

11 | P a g e

Appendix E

Water quality results

2.7.22 mark n rain 21 22 wq1 n/a 3 6.3 n/a no n/a n/a surface water >10mm running 2.7.22 mark n rain 21 22 wq2 n/a 1 6.3 n/a no n/a n/a surface water >10mm running 2.7.22 mark n rain 21 22 epl pt 1 no 16 7.2 n/a no no yes 9.8.22 mark n fine 0 0 epl pt 1 no 16 8 n/a no no yes	DEPTH
2.7.22 mark n rain 21 22 wq2 n/a 1 6.3 n/a no n/a n/a surface water >10mm running 2.7.22 mark n rain 21 22 epl pt 1 no 16 7.2 n/a no no yes	
2.7.22 mark n rain 21 22 epl pt 1 no 16 7.2 n/a no no yes	
9.8.22 mark n fine 0 0 epl pt 1 no 16 8 n/a no no yes	
23.8.22 mark n fine 0 0 epl pt 1 no 14 8 n/a no no yes	
4.10.22 mark n cloudy 38 39.5 wq1 n/a 2 6 n/a no n/a n/a surface water>10mm running	
4.10.22 mark n cloudy 38 39.5 wq2 n/a 2.5 6 n/a no n/a n/a surface water>10mm running	
4.10.22 mark n cloudy 38 39.5 epl pt 1 no 32 7.1 n/a no no yes	
10.10.22 mark n rain 1 10 epl pt 1 no 6 7.5 n/a no no yes	
7.12.22 mark n fine 0 4 epl pt 1 no 23 7 n/a no no yes	
7.12.22 mark n fine 0 4 gw1 n/a n/a 5.96 338 no n/a n/a 3	3.5m
0	1.3m
•	2.7m
16.1.23 mark n rain 22.5 22.5 wq1 n/a 4.5 6.9 n/a no n/a n/a surface water>10mm running	
16.1.23 mark n rain 22.5 22.5 wq2 n/a 3 6.3 n/a no n/a n/a surface water>10mm running	
16.1.23 mark n rain 22.5 22.5 epl pt 1 no 20 7.8 n/a no no yes	
10.2.23 mark n fine 0 12 epl pt 1 no 25 8.5 n/a no no yes	
7.3.23 mark n fine 0 34 epl pt 1 no 20 7.8 n/a no no yes	
26.4.23 mark n rain 10 26 wq1 no 5 6 no n/a n/a surface water>10mm running	
26.4.23 mark n rain 10 26 wq2 no 2 6 n/a no n/a n/a surface water>10mm running	
3.5.23 mark n fine 0 0 epl pt 1 no 11 8.1 n/a no no yes	

Appendix F Approval to increase daily trucking

Department of Planning and Environment



Mark Newman Director Newman Quarrying Pty Ltd 2 Wentworth Street Palmers Island, NSW, 2463

21/09/2022

Sly's Quarry Expansion Project (SSD 6624) Request for approval to continue at increased maximum daily trucking rate

Dear Mr Newman

I refer to your request for approval to continue trucking quarry products at an increased maximum daily rate, submitted in accordance with condition 8A of Schedule 2 of the conditions of consent for the Sly's Quarry Extension Project (SSD 6624, the Project).

The Department has considered the request, including the accompanying Traffic Impact Assessment and evidence of consultation with Transport for NSW (TfNSW) and Clarence Valley Council, and is satisfied that at the proposed maximum trucking rate, the intersection of Tullymorgan-Jackybulbin Road and Pacific Highway could operate at a control delay level of no less than Level of Service C. Accordingly, the Secretary approves the proposed continuation of trucking of quarry products at a maximum rate of 150 laden trucks per day.

The Department notes that TfNSW has recommended the Project's Traffic Management Plan (TMP) and Drivers Code of Conduct (DCC) are revised to include contingencies for managing traffic impacts at the intersection during school holidays and seasonal peak times. Please submit a revised TMP (inclusive of DCC) addressing TfNSW's recommendations, to the Secretary for approval within three months of commencement of the proposed trucking.

If you wish to discuss the matter further, please contact Tanvir Islam on (02) 9995 6389 or tanvir.islam@dpie.nsw.gov.au.

Yours sincerely

Ywans

Jessie Evans Director, Resource Assessments Resource Assessments

As nominee of the Planning Secretary



ghd.com

\rightarrow The Power of Commitment