

**Cudgen Lakes Sand Quarry
Independent Environmental Audit**



**Assessment of Cudgen Lakes Sand Quarry
Against the Project Approval MP 05_0103B Modification 2**

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1. Executive Summary

This is the first independent environmental audit of the Cudgen Lakes Sand Quarry completed in accordance with the requirements of Project Approval MP 05_0103B Modification 2 Schedule 5 Condition 14 & 15. The audit was conducted by AQUAS (Annabelle Tungol – Lead Auditor) between 18 November 2019 and 5 February 2020.

The Proposal by Gales-Kingscliff Pty Ltd to develop and operate the sand extraction and processing operation was approved on 16 June 2009 and last modified on 22 January 2019. The first extraction campaign for the Cudgen Lakes Sand Quarry commenced on 30 October 2017 and concluded on 8 February 2018 with up to 352 195m³ of sand hydraulically transferred to the Cudgen Heights fill site. No sand has been processed or transported by road and no Virgin Excavated Natural Material (VENM) has been imported onto the Quarry Site to date.

Based on the Modification 2 of the project approval, all management plans have been revised and submitted to Department of Planning Industry and Environment (DPIE) for approval. Currently the site is not operational and awaiting for the approval of management plans. This audit relies on the records of the previous operations and current situation of the site.

Overall, the project was generally compliant with the conditions of approval except for the non-compliances raised against the implementation of monitoring programs [Schedule 5 (3), Statement of Commitment (SOC) 9.3 & 9.5] and not meeting the timing set for Conditions Schedule 3 (28) agreement with Tweed Sand Quarry for the cost sharing for the maintenance of Altona Road.

The project demonstrated a satisfactory environmental performance in implementing mitigation measures on site based on the following key strengths noted during this audit:

- Consultations with the stakeholders, community and sensitive receivers were well managed;
- The process for reporting incidents, complaints and non-conformances has been implemented and recorded;
- Reporting of Annual Reviews;
- Maintenance of the project website;
- Records keeping;
- Update of environmental management plans covering the Project Approval Modification 2 Conditions for Department approval;
- Environmental mitigation measures have been implemented such as:
 - erosion and sedimentation controls;
 - boundary markings;
 - bunding pond;
 - vegetation screening and fencing; and
 - the site was maintained in a clean and tidy condition.

Summary of Audit Findings

Based on the document and records reviewed and site inspection, there were a total of 248 Project Approval Conditions and statement of commitment that have been reviewed during this audit under Project Approval MP05_0103B Modification 2, Environment Protection Licence (EPL) 12385 and Water Access Licence 40902. Out of these conditions, there were 5 non-compliances identified, 137 compliant items, and 106 not triggered items.

The following non-compliances and opportunities for improvement were identified during this audit:

Non-Compliances

- **NC-01 - Schedule 2 (2a)** : Based on the non-compliances recorded against Project Approval Schedule 2 (28), Schedule 5 (3) and Statement of Commitment (SOC) 9.3 and 12.5, a non-compliance on Schedule 2 (2a) condition was raised.
- **NC-02 – Schedule 3 (28)**: A draft agreement between Gales and the owner of the Tweed Sand Quarry, in consultation with Council, was referred to the Secretary on 25/9/2019. It is noted that some areas remained in dispute. An extension to the timeframe had also been sought from the Department (Evidence sighted: CL_18-2019_Time Extension Request for Altona Road Maintenance Agreement - Hanson and Gales). However, the extension letter to DPIE was sent on 21 August 2019. Therefore, this is a non-compliant to the requirement of this condition based on not achieving the timing set before 20 August 2019.
- **NC-03 – Schedule 5 (3)**: Non-compliant to the implementation of the monitoring programs for dust and water quality as indicated in the approved AQMP and SWMP was raised.
- **NC-04 – Statement of Commitment (SOC) 9.3**: Water monitoring was not undertaken at all sites at the frequency required by the existing SWMP. This was reported as an incident on 4 and 11 March 2019.
- **NC-05 – Statement of Commitment (SOC) 12.5**: Dust monitoring was not conducted as per the AQMP.

Opportunity for Improvement

The following four (4) opportunities for improvement were noted:

- **OFI-01 – Schedule 2 (20)**: Opportunity for Improvement to ensure that the compliance with the Project Approval is included in the induction package / presentation that will be given to all employees/workers on site prior to commencing their work.
- **OFI-02 – Schedule 3 (20)**: Opportunity for improvement to develop drawings showing erosion and sedimentation controls to be implemented at the site and progressive update and maintenance during operations be implemented.
- **OFI-03 – Schedule 3 (26)**: An opportunity for improvement to develop the traffic control plan to ensure that all heavy vehicle access to and from the site is via the Tweed Coast Road/Crescent Street/Altona Road route and heavy vehicles must not travel via Crescent Street through Cudgen Village, except for local deliveries to Cudgen Village.
- **OFI-04 – Schedule 3 (31)**: Opportunity for improvement to ensure that the Traffic Management Plan will be reviewed and updated accordingly to cover the requirements of Conditions of Approval under Modification 2 prior resuming operations.

2. Introduction

2.1 Background

This audit was conducted to satisfy the following Project Approval MP 05_0103B Modification 2 Schedule 5 (14 & 15) conditions:

Project Approval Condition	Requirement
Schedule 5 (14)	<p>INDEPENDENT ENVIRONMENTAL AUDIT</p> <p>Within two years of the commencement of quarrying operations and every 3 years thereafter, unless the Secretary directs otherwise, the Proponent must commission and pay the full cost of an Independent Environmental Audit of the project. The primary purposes of the audit are to ascertain information in relation to the environmental performance of the project and the adequacy of strategies, plans and programs. Audits must:</p> <ul style="list-style-type: none"> (a) be led and 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 the CCC; (c) assess the environmental performance of the project and whether it is complying with the relevant requirements in this approval and any relevant EPL or water licences for the project (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 project, 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. <p><i>Note: This audit team must be led by a suitably qualified auditor and include experts in any fields specified by the Secretary.</i></p>
Schedule 5 (15)	<p>Within 12 weeks of commencing each audit, unless otherwise agreed by the Secretary, the Proponent must submit a copy of the audit report to the Secretary and any other agency that requests it, together with its response to any recommendations contained in the audit report, and a timetable for the implementation of the recommendations. The Proponent must implement these recommendations, to the satisfaction of the Secretary.</p>

2.2 Project Details

Project Name	Cudgen Lakes Sand Quarry
Project Application Number	Project Approval MP 05_0103B Modification 2
Project Address	The Cudgen Lakes Sand Quarry is located on Altona Road in Cudgen north-eastern NSW, approximately 8 km south of the New South Wales/Queensland Border.
Project Phase	Non-operational since 8 February 2018.
Project Description	The Proposal by Gales-Kingscliff Pty Ltd to develop and operate the sand extraction and processing operation was approved on 16 June 2009 and last modified on 22 January 2019. The approved quarry provides for the

Project Name	Cudgen Lakes Sand Quarry
	<p>hydraulic delivery of sand within two pipeline corridors for use as fill at nominated locations within the local area to raise the elevation of land for development in accordance with a proposed strategic development plan. The quarry will also supply construction materials to the surrounding region and receive virgin excavated natural material (VENM) for back filling and rehabilitation purposes.</p> <p>The sand resource within the approved extraction areas totals approximately 7.275 million m³. The maximum approved annual extraction rate is 650,000m³ of which up to 300,000tpa of products, including fine-grained concrete/construction sand, mortar sand/brickies loam and fill sand, may be transported from site by road registered trucks.</p> <p>The first extraction campaign for the Cudgen Lakes Sand Quarry commenced on 30 October 2017 and concluded on 8 February 2018 with up to 352 195m³ of sand hydraulically transferred to the Cudgen Heights fill site. No sand has been processed or transported by road and no VENM has been imported onto the Quarry Site to date.</p> <p>Following rehabilitation, it is proposed to retain the extraction pond as a recreational lake tying into the broader strategic development plan of Gales-Kingscliff Pty Ltd.</p>

2.3 Audit Team

Details of the AQUAS independent environmental auditor for this audit are as follows:

Name	Company	Position	Certification
Annabelle Tungol	AQUAS	Lead Environmental Auditor	Exemplar Global Lead Environmental Auditor – Certificate No. 119536

The independent audit declaration form is attached as **Appendix C**.

2.4 Audit Objectives

The objective of this audit was to undertake the initial independent environmental audit in compliance with the Project Approval MP 05_0103B Modification 2 Schedule 5 (14 & 15), and in accordance with the Department of Planning Industry and Environment Independent Audit Post Approval Requirements June 2018 (DPAR 2018).

2.5 Audit Scope

The scope of this audit comprised of the following:

- Review of compliance against Project Approval MP 05_0103B Modification 2:
- Review of requirements of EPL 12385;
- Review of requirements of Water Licence 40902;
- Review of implementation of the following management plans:
 - 61723a_Environmental_Management_Strategy_Approved, 5July2017;
 - 61711_Air_Quality_Monitoring_Program_final_Approved 14 May 2014 ;

- 61713_ Aboriginal_Cultural_Heritage_Management_Plan_final_Approved 14 May 2014 ;
- 61715_Soil_Water_Management_Plan_final_Approved 14 May 2014 ;
- 61737a_Noise Management Plan Final for Approval 14 May 2014;
- 61710_Landscape_Management_Plan_July_2016
- Site inspection conducted on 18 November 2019;
- Desktop Review of documents and environmental records provided by R.W. Corkery & Co Pty Ltd on 6 January 2020; and
- Consultation with stakeholders was conducted prior to the audit.

2.6 Audit Period

This was the first independent environmental audit carried out on the project which was undertaken through a desktop review of records and documentations available from 2009 to 2019.

3. Audit Methodology

3.1 Approval of Auditors

Gales-Kingscliff Pty Ltd engaged Annabelle Tungol of AQUAS as the independent environmental auditor to conduct this audit. The auditor details and certification were discussed in Section 2.3 of this report. Auditor's approval letter from DPIE is attached as **Appendix B**.

3.2 Audit scope development

AQUAS developed the audit scope and a checklist based on the Project Approval MP 05_0103B Modification 2 and statement of commitments, requirements of Environment Protection License (EPL) 12385 and requirements of Water License 40902. Refer to **Appendix A** of this report.

3.3 Audit Process

Due to the project being currently non-operational, the audit activities included the following:

- A site walk to review implementation of mitigation measures and environmental controls on 18 November 2020 accompanied by the Assistant Site Manager;
- Desktop review of the project documentation (EMP and its sub-plans) to verify compliance with the Project Approval, EPL and WAL requirements;
- Desktop audit following the checklist that was prepared based on the Project Approval by reviewing available records on the project website, records provided by R.W. Corkery & Co. Pty Ltd (Operator's environmental consultant/representative) on 6 January 2020 as evidence of compliance; and
- Submission of draft report to R.W.Corkery & Co Pty Ltd for review prior to finalisation of report and submission to DPIE.

3.4 Interviewed Persons

Name and position of persons interviewed:

Name	Organisation	Position
Scott Hollamby	R.W. Corkery & Co Pty Ltd	Senior Environmental Consultant
Brad Holloway	JBM Development Group Pty Ltd	Assistant Site Manager

3.5 Details of Site Inspection

A site walk around the quarry was conducted with focus on the following controls:

- Erosion and sedimentation controls including sediment fences and controls around drainage;
- Pond bunding;
- Presence of Blue Green Algae on the lake;
- Stabilised access/egress;
- Roads surrounding the site for dust/mud tracking;
- Dust management;
- Wastes management;
- Site fence and vegetation screening;
- Boundary markers;
- Site signage; and
- General housekeeping.

Photos taken during site inspection are included in the **Appendix E**.

3.6 Consultation

Consultation was undertaken with relevant stakeholders to request feedback regarding the project and highlight any areas for review by AQUAS during the audit. Refer to **Appendix F** for consultation records.

Contact	Agency	Comment
Phillip Rose Compliance Officer Planning Services Far Northern Region	NSW Department of Planning, Industry and Environment	Implementation of monitoring programs as per management plans i.e. water quality, air quality, and blue green algae. Considering the pending approval of the revised plans as per Modification 2, implementation of the existing approved plans prevails. Completion of this audit and submission of audit report to DPIE within 12 weeks from commencement of audit.
Dr John Griffin Chair CCC	Community Consultative Committee	Don't have any areas of concern just noting that meeting has not been conducted since the pumping operations ceased.
Denise Galle Murwillumbah NSW Team Leader Development Assessment	Tweed Shire Council	Cross checking request for the extent of on ground restoration/landscape actions prescribed under the current Landscape Management Plan (LMP) Cudgen Lakes Sand Quarry dated July 2016 prepared by R.W Corkery & Co Pty Ltd and reported in the 2018/2019 Annual Review. Review of 2018-2019 Annual Report was conducted and no further comment from the Council.
Geff Cramb Operations Officer – Environment Management Unit North Coast, NSW	Environment Protection Authority	The EPA does not have any areas of concern that needs to be focused on during this audit.
Ellie Randall Water Regulation Officer	Natural Resources Access Regulator Water Regulation (East)	NRAR would like to see the audit address all areas of the Conditions of Approval including water specific plans. Furthermore a focus on relevant licenses/approvals such as Water Access Licences and water take is occurring in accordance with relevant approvals.

The above concerns were checked and reviewed during the site inspection and review of records. Refer to **Appendix A-** Audit Table for the details of findings and site photos included in **Appendix E**.

3.7 Audit Compliance Status Descriptors

The following audit criteria were used for the rating of audit findings.

Status	Description
Compliant	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	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	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.

In addition to the compliance status descriptors, the auditor may make such observations and notes, including identifying any opportunities for improvement, as they see fit in relation to any compliance requirement or any other aspect of the development.

4. Document Review

The following documents were reviewed and/or sighted as part of this audit and were provided to auditor between 18 November 2019 and 5 February 2020:

- Environment Protection License 12385
- Project Website - http://www.galeskingscliff.com.au/cudgen_lakes_project.htm
- 61737f_Environmental Management Strategy_2019042261710_Landscape_Management_Plan_July_2016
- 61711_Air_Quality_Monitoring_Program_final_Approved
- 61713_Aboriginal_Cultural_Heritage_Management_Plan_final_Approved
- 61723f_Soil_&_Water_Management_Plan_Final
- 2009-2010 AEMR
- 2010-2011 Annual Review
- 2011-2012 Annual Review
- 2012-2013 Annual Review
- 2013-2014 Annual Review
- 2014-2015 Annual Review
- 2015-2016 Annual Review
- 2016-2017 Annual Review
- 2017-2018 Annual Review
- 2018-2019 Annual Review
- 2017-2018 Annual Production Report (Form S1) Submission
- 2018-2019 Annual Production Report (Form S1) Submission
- Council Letter re Deferment of S94 Contributions_07 September 2016
- Email to DPE re Pipeline Corridor to Cudgen Heights_05 July 2017
- Email to DPE re Pipeline Corridor to Cudgen Heights_19 July 2017
- DPE Approval Letter for Pipeline to Cudgen Heights_31 July 2017
- Survey of MOD2 Extraction Boundary & Marker Locations
- Time Extension Request for Altona Road Maintenance Agreement - Hanson and Gales_21 August 2019
- Annual Reviews 2010 to 2016 Submission Evidence
- 2016_2017 Annual Review Submission Evidence
- 2017_2018 Annual Review Submission Evidence
- 2018_2019 Annual Review Submission Evidence
- Post Dredging Survey Plan & Cross Section_13 February 2018
- Monitoring Calibration Certificates
- DPE Letter re M.Plans_19 April 2019
- DPE Letter re M.Plans_04 June 2019
- 2019 Management Plan Correspondence
- Water Access Licence 40902
- Flood Capacity Calculations_2018
- Traffic Management Plan Correspondence (Stage 1 and Stage 2)
- Correspondence re: Bonds
- Aboriginal Cultural Heritage Management Plan Correspondence
- Correspondence re: Penalty Infringement Notice/ Official Caution – 2016/2017
- DPE Approval of Revised EMS, EMonP, AHMP_June17
- DPE Management Plan Approval Letter May 2014

- CCC Meeting Minutes
- PA 05_0103 Non-Compliance Notification_04 March 2019
- PA 05_0103 Non-Compliance Incident Report DPE Response_15 March 2019
- 617 Cudgen - Julius Agreement
- 61735_Appendix 3_August 2018 Acid Sulphate Soil Audit Report
- http://www.galeskingscliff.com.au/community_consultation.htm
- http://www.galeskingscliff.com.au/pdf/20191116_Cudgen_Lakes_Sand_PIRMP_ax.pdf
- http://www.galeskingscliff.com.au/pdf/617_EPL%2012385MonitoringData_2016AnnualReturn.pdf
- http://www.galeskingscliff.com.au/pdf/617_ComplaintsRegister.pdf
- http://www.galeskingscliff.com.au/pdf/617_ProjectStatus.pdf

5. Audit Findings

This audit was completed to assess the implementation of Cudgen Lakes Project - Management Plans and environmental controls established Gales-Kingscliff Pty Ltd against the requirements of Project Approval 05_0103B Modification 2.

The following table summarises the audit findings by rating category:

Findings Rating	Findings
Compliant	137
Non-Compliant	5
Not Triggered	106

5.1 Assessment of Compliance

Overall, the project was compliant with the Conditions of Approval MP 05_0103B Modification 2, Environmental Assessments for the original approval, Modification 1 and Modification 2 except for three aspects resulting in 5 non-compliances. The project demonstrated a satisfactory environmental performance in implementing environmental mitigation measures on site.

The comparison of audit requirements against the compliance ratings is as follows:

Project Approval Requirements	Requirements	Findings
Schedule 2 - Administrative Conditions	25	Compliant – 14
		Non-Compliant – 1
		Not Triggered – 10
SCHEDULE 3 - SPECIFIC ENVIRONMENTAL CONDITION	43	Compliant – 33
		Non-Compliant – 1
		Not Triggered – 9
SCHEDULE 4 - ADDITIONAL PROCEDURES	2	Compliant – 0
		Non-Compliant – 0
		Not Triggered – 2
SCHEDULE 5 - ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING	16	Compliant – 10
		Non-Compliant – 1
		Not Triggered – 5
	91	Compliant – 30

APPENDIX 2 - STATEMENT OF COMMITMENTS		Non-Compliant – 2
		Not Triggered – 59
APPENDIX 3 - NOISE COMPLIANCE ASSESSMENT	3	Compliant – 0
		Non-Compliant – 0
		Not Triggered – 3
Environment Protection Licence 12385	61	Compliant – 44
		Non-Compliant – 0
		Not Triggered – 17
Water Access Licence 40902	7	Compliant – 6
		Non-Compliant – 0
		Not Triggered – 1
Total Requirements	248	Compliant – 137
		Non-Compliant – 5
		Not Triggered – 106

5.2 Notices, Incidents and Complaints

In the 2017 Annual Review under Section 11 it was reported that a penalty infringement notice was issued by DPIE on 5 December 2016 for failing to establish and maintain the vegetation screen around the extraction area. Upon appeal and provision of further information, the penalty infringement notice was retracted and an official caution issued with a voluntary undertaking which included planting of additional trees and shrubs by 30 September 2017.

There no other agency notices, orders, penalty notices or prosecutions have been issued, and no reportable environmental incidents that constitute material harm to the environment have occurred to date.

A Complaints Register was in place where complaints details were recorded including resolution reached which was posted on the project website and last updated in October 2019. (http://www.galeskingscliff.com.au/pdf/617_ComplaintsRegister.pdf)

5.3 Previous Audit Recommendations

This is the first Independent Environmental Audit for Cudgen Lakes Sand Quarry against Project Approval MP 05_0103B Modification 2. Therefore, there was no previous audit recommendation.

5.4 Audit Site Inspection

The site inspection was conducted at 12 pm on 18 November 2019 by AQUAS auditor assisted by Brad Holloway (Assistant Site Manager). There was no operations or any other activities being undertaken on site during this inspection.

The site environmental controls and mitigation measures were implemented on site i.e. erosion and

sedimentation controls including sediment fences and controls around drainage,

- bunding around the lake,
- no Blue Green Algae was present on the lake,
- stabilised access/egress, roads surrounding the site were free of dust/mud, dust management – area was mostly vegetated,
- haul roads were stabilised,
- no wastes on site,
- site fence and vegetation screening were noted in good condition,
- boundary markers were noted, site signage were installed, and
- site was clean and tidy.

No issues noted during site inspection. Please refer to photos of the site inspection in **Appendix E**.

5.5 Suitability of Plans and the EMS

Environmental Management System (EMS) was robust with strengths in communication processes, documentation and record keeping, induction, training and competence, environmental controls and non-conformance/corrective action processes.

Revision of all management plans was conducted to comply with Project Approval Modification 2. All required management plans have been revised and submitted to DPIE for approval within the timeframe as per the approval conditions. During this audit all management plans are still awaiting for DPIE approval. Pending the approval of the revised plans, implementation of the current approved plans prevails.

5.6 Additional Matters Raised During Consultation

Additional matters raised during consultation were discussed as follows.

- Tweed Shire Council - Cross checking the extent of on ground restoration/landscape actions prescribed under the current 2016 Landscape Management Plan and reported in the 2018/2019 Annual Review.

As part of the site visit ground stabilisation and landscaping works were inspected. All reported stabilisation works appeared to have been satisfactorily completed and consistent with that reported in the 2018/2019 Annual Review.

- NRAR - Water Access Licences and water take is occurring in accordance with relevant approvals.

As outlined within the respective Annual Reviews, applicable water licencing held for the Quarry operations include Water Supply Works and Use Approval 30CA321269 and Water Access Licence (WAL) 40902, which has a water share component of 700ML. The Quarry Site is located within the *Water Sharing Plan for the North Coast Coastal Sands Groundwater Sources 2016*, which commenced on 1 July 2016.

Water take only occurred during the 2017/2018 period with a reported take of 355.3ML. As there have been no operations during other periods, there has been no other take of water.

5.7 Key Strengths

Overall, the project environmental performance in compliance with Project Approval MP 05_0103B Modification 2 was satisfactorily met with the following key strengths noted:

- Consultation with the stakeholders, community and sensitive receivers were well managed;
- The process for reporting incidents, complaints and non-conformances has been implemented and recorded;
- Reporting of Annual Reviews;
- Maintenance of the project website;
- Records keeping;
- Update of environmental management plans covering the Project Approval Modification 2 Conditions for Department approval;
- Environmental mitigation measures have been implemented such as:
 - erosion and sedimentation controls;
 - boundary markings;
 - bunding pond;
 - vegetation screening and fencing; and
 - the site was maintained in a clean and tidy condition.

5.8 Audit Findings and Recommendation

The table following outlines the identified non-compliances and opportunities for improvement as well the auditor's recommendations. Auditor's notes are detailed in the attached **Appendix A – Audit Table**.

5.8.1 Non-Compliant

Finding Number	PA Condition Number	Project Approval Condition Requirement	Audit Findings	Recommendations
NC-01	Schedule 2 (2)	The Proponent, in acting on this approval, must carry out the project in accordance with: (a) the conditions of this approval; and (b) all written directions of the Secretary	<p>Non-compliances have been recorded against Conditions of Approval Schedule 2 (28), Schedule 5 (3) and Statement of Commitment (SOC) 9.3 and 12.5.</p> <p>Based on the non-compliances raised against the conditions of the Project Approval, a non-compliance to this requirement is raised.</p>	It is recommended to address all the non-compliances to be compliant to this condition.
NC-02	Schedule 3 (28)	28. By 20 August 2019, the Proponent must enter into a cost sharing agreement with the owner of the Tweed Sand Quarry, in consultation with Council, for the maintenance of Altona Road between the site entrance and intersection with Crescent Street. This agreement must:	<p>A draft agreement between Gales and the owner of the Tweed Sand Quarry, in consultation with Council, was referred to the Secretary on 25/9/2019. It is noted that some areas remained in dispute. An extension to the timeframe had also been sought from the Department.</p> <p>Evidence sighted: CL_18-2019_Time Extension Request for Altona Road Maintenance Agreement - Hanson and Gales.</p> <p>However, The extension letter to DPIE was sent on 21 August 2019. Therefore, this is non-compliant to the requirement of this condition based on not achieving the timing set before 20 August 2019.</p>	It is recommended to ensure that documents required by DPIE are submitted within the required timeframe. A regular compliance tracking review (e.g. quarterly) is recommended to ensure compliances with the Conditions of Approval are met.

Finding Number	PA Condition Number	Project Approval Condition Requirement	Audit Findings	Recommendations
NC-03	Schedule 5 (3)	The Proponent must continue to apply existing approved management plans, strategies or monitoring programs that have most recently been approved under this approval, until the approval of a similar plan, strategy or program following a modification to this approval.	<p>Deposited dust monitoring has not been undertaken in accordance with the existing AQMP which did not explicitly confirm that monitoring was not required during non-operational periods. This has been amended in the updated AQMP, however, its approval remains pending.</p> <p>Water monitoring was also not undertaken at all sites at the frequency required by the existing SWMP. This was reported as an incident on 4 and 11 March 2019. Refer to Sections 4.3, 5 and 11.1 of this report for further information.</p> <p>Non-compliant to the implementation of the monitoring programs for dust and water quality as indicated in the approved AQMP and SWMP was raised.</p>	It is recommended that the requirements of the approved AQMP and SWMP are implemented until the approval of the modified plans under the Modification 2 has been acquired.
NC-04	Statement of Commitment 9.3	Undertake frequent and regular monitoring of temperature, dissolved oxygen, nutrients, colour and concentrations of blue-green algae.	<p>No monitoring was undertaken during the non-operational days.</p> <p>Water monitoring was not undertaken at all sites at the frequency required by the existing SWMP. This was reported as an incident on 4 and 11 March 2019.</p>	It is recommended that the requirements of the approved SWMP be implemented until the approval of the modified plans under the Modification 2 has been acquired.

Finding Number	PA Condition Number	Project Approval Condition Requirement	Audit Findings	Recommendations
NC-05	Statement of Commitment (SOC) 12.5	Undertake monitoring in accordance with the Air Quality Monitoring Program.	Deposited dust monitoring has not been undertaken in accordance with the existing AQMP which did not explicitly confirm that monitoring was not required during non-operational periods. This has been amended in the updated AQMP, however, its approval remains pending.	It is recommended that the requirements of the approved AQMP are implemented until the approval of the modified plans under the Modification 2 has been acquired.

5.8.2 Opportunity for Improvement

Finding Number	PA Condition Number	Project Approval Condition Requirement	Audit Findings	Recommendations
OFI-01	Schedule 2 (20)	The Proponent must ensure that all of its employees, contractors (and their sub-contractors) are made aware of, and are instructed to comply with, the conditions of this approval relevant to activities they carry out in respect of the project.	As no operations were being undertaken during this audit this requirement cannot be reviewed during this audit. However, an opportunity for improvement was noted under recommendation column.	Opportunity for Improvement to ensure that the compliance with the Conditions of Approval are included in the induction package / presentation that will be given to all employees/workers on site prior to commencing to their work.
OFI-02	Schedule 3 (20a)	be consistent with the relevant requirements of the Department of Housing's Managing Urban Stormwater: Soil and Construction Manual, the NSW Acid Sulphate Soil Advisory Committee's Acid Sulphate Soil Manual, and relevant Council codes, or most recent versions of these documents;	Soil and Water Management Plan for the Cudgen Lakes Sand Quarry Version 4b dated 08/07/2019 Section 4 defined the process for erosion and sedimentation controls. Sections 4.1 and 5.1 of SWMP. However, an opportunity for improvement was noted under recommendation column.	Opportunity for improvement to develop drawings showing erosion and sedimentation controls to be implemented at the site and progressive update and maintenance during operations be implemented.

Finding Number	PA Condition Number	Project Approval Condition Requirement	Audit Findings	Recommendations
OFI-03	Schedule 3 (26)	26. The Proponent must ensure that all heavy vehicle access to and from the site is via the Tweed Coast Road/Crescent Street/Altona Road route. Heavy vehicles must not travel via Crescent Street through Cudgen Village, except for local deliveries to Cudgen Village.	There was no operations during this audit. A Traffic Management Plan has been prepared previously. However, an opportunity for improvement under the recommendation column was noted.	An opportunity for improvement to develop the traffic control plan to ensure that all heavy vehicle access to and from the site is via the Tweed Coast Road/Crescent Street/Altona Road route and heavy vehicles must not travel via Crescent Street through Cudgen Village, except for local deliveries to Cudgen Village.
OFI-04	Schedule 3 (31)	The Proponent must prepare a Traffic Management Plan for the project to the satisfaction of the Secretary. This plan must:	Approval for the staged submission of the Traffic Safety Plan was issued by DPE on 9 September 2016. The 'Stage 1' Traffic Management Plan, for physical commencement activities, was prepared in consultation with Council and RMS and approved by DPE 12/09/16. The 'Stage 2' Traffic Management Plan for works to enable commencement of dredging was prepared in consultation with Council and RMS and approved by DPE 25/05/17. An opportunity for improvement was noted under recommendation column.	Opportunity for Improvement to ensure that the Traffic Management Plan will be reviewed and updated accordingly to cover the requirements of Conditions of Approval under Modification 2 prior resuming operations.

Appendix A. Independent Audit Table

ID No.	CoA Part No.	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
1			SCHEDULE 2 ADMINISTRATIVE CONDITIONS			
2			OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT			
3	Sch 2	1	In addition to meeting the specific performance measures and criteria established under this approval, the Proponent must implement all reasonable and feasible measures to prevent, and if prevention is not reasonable and feasible, minimise any material harm to the environment that may result from the construction and operation of the project, and any rehabilitation required under this approval.	Operations at the Quarry were physically commenced on 13 September 2016, site establishment activities commenced on 26 June 2017 and the first extraction campaign commenced 30 October 2017 and ceased on 8 February 2018. The determination of Modification 2 was released on 22 January 2019. All management plans have been updated and are under approval process by the DPIE. The site environmental controls have been maintained and in good condition as per the site inspection conducted during this audit.		Compliant
4	Sch 2		TERMS OF APPROVAL			
5	Sch 2	2	The Proponent, in acting on this approval, must carry out the project in accordance with: (a) the conditions of this approval; and (b) all written directions of the Secretary	Non-compliance has been recorded against Conditions of Approval Schedule 2 (28), Schedule 5 (3) and Statement of Commitment 9.3 and 12.5.	A non-compliance against this condition was raised based on the non-compliances raised noted. It is recommended to address all the non-compliances to be compliant to this condition.	Non-Compliant NC-01

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
6	Sch 2	3	The Proponent, in acting on this approval, must carry out the project generally in accordance with the EA, EA (Mod 1), EA (Mod 2) and project layout			Compliant
7	Sch 2	4	The conditions of this approval and directions of the Secretary prevail to the extent of any inconsistency, ambiguity or conflict between them and a document referenced in condition 3 of this Schedule. In the event of an inconsistency, ambiguity or conflict between any of the documents referenced in condition 3 of this Schedule, the most recent document prevails.	Noted		Compliant
8	Sch 2	5	Consistent with the requirements of this approval, the Secretary may make written directions to the Proponent in relation to:	Noted no direction received from the Secretary during this audit period.		Not Triggered
9			(a) the content of any strategy, study, system, plan, program, review, audit, notification, report or correspondence submitted under or otherwise made in relation to this approval, including those that are required to be, and have been, approved by the Secretary; and			
10			(b) the implementation of any actions or measures contained in any such document referred to in (a) above			
11			LIMITS ON APPROVAL			
12			Quarrying Operations			
13	Sch 2	6	The Proponent may carry out quarrying operations on the site until 31 December 2047	The Proposal by Gales-Kingscliff Pty Ltd to develop and operate the sand extraction and processing operation was approved on 16 June 2009 and last modified on 22 January 2019. The first extraction campaign		Compliant

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
				for the Cudgen Lakes Sand Quarry commenced on 30 October 2017 and concluded on 8 February 2018 with up to 352 195m ³ of sand hydraulically transferred to the Cudgen Heights fill site. No sand has been processed or transported by road and no Virgin Excavated Natural Material (VENM) has been imported onto the Quarry Site to date.		
14	Sch 2	7	The Proponent must not undertake extraction of extractive materials to a depth greater than -20 metres AHD.	To date extraction has reached a maximum depth of approximately -12m AHD. Evidence sighted were: -CL_23a-2019_Postdredge Survey 180213-Plan - CL_23b-2019_Postdredge Survey 180213-Xsects Extraction ceased in February 2018 and will resume upon the approval of management plans which are still pending.		Compliant
15	Sch 2	8	The Proponent must not extract more than 650,000 cubic metres of quarry products from the site in any financial year.	As per the records provided a total of up to 352,195m ³ of sand was extracted prior to this audit. There was no operations during the conduct of this audit. Evidence sighted was CL_11-2019_2017-2018 Annual Production Report (Form S1) Submission.		Compliant
16			Quarry Product Transport			

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
17	Sch 2	9	The Proponent must not transport more than 300,000 tonnes of quarry products from the site by road in any financial year.	No material has been transported from the site.		Not Triggered
18	Sch 2	10	The Proponent must not import more than 45,000 tonnes of VENM (or material that otherwise meets the classification of VENM as approved by the EPA) to the site in any financial year. The Proponent must ensure that all VENM imported to the site does not contain waste.	No VENM has been imported to the site.		Not Triggered
19	Sch 2	11	Prior to the upgrade of Altona Road and the Tweed Coast Road / Crescent Street intersection, as required under conditions 27 and 29 of Schedule 3, the Proponent may dispatch up to:	No material has been transported from the site.		Not Triggered
20			(a) 4 laden trucks per hour; and			
21			(b) 10 laden trucks per day; between the hours of 9.00 am and 3.00 pm.			
22	Sch 2	12	Following the completion of road upgrades required under conditions 27 and 29 of Schedule 3, the Proponent must not dispatch more than 12 laden trucks from the site in any hour, during the hours specified in Table 1.	Noted. Upgrade of the road not yet commenced. No material has been transported from the site		Not Triggered
23			Hours of Operation			
24	Sch 2	13	The Proponent must comply with the operating hours set out in Table 1.	Operating hours with those set out in Table 1 during the site establishment (from September 2009) and operations period (October 2017 to February 2018)		Compliant
25	Sch 2	14	The following activities may be carried out outside the hours specified in condition 13 above:	Noted. It is reported that no such circumstances have occurred.		Not Triggered

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
26			(a) delivery or dispatch of materials as requested by Police or other public authorities; and			
27			(b) Emergency work to avoid the loss of lives, property or to prevent environmental harm.			
28			In such circumstances, the Proponent must notify the Secretary and affected residents prior to undertaking the activities, or as soon as is practical thereafter.			
29			STRUCTURAL ADEQUACY			
30	Sch 2	15	The Proponent 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.	No buildings have been constructed onsite.		Not Triggered
31			DEMOLITION			
32	Sch 2	16	The Proponent 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.	No demolition works have been undertaken.		Not Triggered
33			PROTECTION OF PUBLIC INFRASTRUCTURE			
34	Sch 2	17	Unless the Proponent and the applicable authority agree otherwise the Proponent must:	A survey was conducted to prior to operation commencing to locate all utilities and mark the site boundaries. CL_17-2019_23114D - Survey of MOD2 Extraction Boundary & Marker Locations.		Compliant
35			(a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the project; and	Any damage on public property caused by the operations was noted to be fixed at the operator's cost.		

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
36			(b) Relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the project.	No repair works or relocation of infrastructure was required during the reporting period. The previous installation of a culvert beneath Crescent Street for placement of pipelines required repair of the road surface which were completed at the cost of the Company.		
37			OPERATION OF PLANT AND EQUIPMENT			
38	Sch 2	18	The Proponent must ensure that all the plant and equipment used at the site, or to monitor the performance of the project is:	No issues with equipment maintenance or operation arose during the operation period 2016-2018 as per the Annual Review 2016-2017 and 2017-2018. All monitoring equipment (air, water and noise) were properly calibrated. Calibration certificates were provided for review and records were kept. Evidence examples: - 20181128_airmet calibration - Calibration Turbidity 240118 -20181023_ECO Environ Calibration		Compliant
39			(a) maintained in a proper and efficient condition; and			
40			(b) Operated in a proper and efficient manner.			
41			CONTRIBUTIONS			
42	Sch 2	19	The Proponent must pay to Council a financial contribution toward the upgrade and construction of distributor roads (other than Altona Road and the upgrade of the Tweed Coast Road / Crescent Street intersection). The contribution must be:	No road upgrade has been conducted yet. Correspondence from Council dated 7 September 2016 confirms Council's acceptance that the contribution be paid prior to receipt of VENM to the site. Evidence provided: CL_13-2019_Council Letter re Deferment of S94 Contributions_070916		Not Triggered
43			(a) determined in accordance with the Tweed Road Contributions Plan September 2016 (as indexed);			

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
44			(b) paid prior to the dispatch of any laden trucks from the site, unless otherwise agreed by Council;			
45			(c) Reported in the Annual Review.			
46			COMPLIANCE			
47	Sch 2	20	The Proponent must ensure that all of its employees, contractors (and their sub-contractors) are made aware of, and are instructed to comply with, the conditions of this approval relevant to activities they carry out in respect of the project.	This requirement cannot be verified at the time of audit as operations ceased since February 2018. No employees or workers onsite during this audit. No operational activities have been undertaken since receipt of the MOD2 approval. Employees and contractors will be made aware of these requirements prior to recommencement of any site establishment or operational activities.	Opportunity for Improvement to ensure that the compliance with the Conditions of Approval are included in the induction package / presentation that will be given to all employees/workers on site.	Not Triggered OFI-01
48			PRODUCTION DATA			
49	Sch 2		21. The Proponent must:			
50		21	(a) from the commencement of quarrying operations provide annual quarry production data to DRG using the standard form for that purpose; and	As per the records, production data was presented in Section 4.1 of the Annual Review (noted that it is nil during this audit). Form S-1 was also submitted to DRG on 31/10/18 and it was reported that Form S-1 will be submitted for the current period by the 2019 due date.		Compliant
51			(b) Include a copy of this data in the Annual Review.	Evidence sighted: CL_19-2019_617_ Cudgen Lakes - Annual Reviews 2010 to 2016		
52			LIMITS OF EXTRACTION			

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
53	Sch 2	22	22. The Proponent must ensure that the surveyed boundaries of the approved limits of extraction are clearly marked at all times in a permanent manner that allows operating staff and inspecting officers to clearly identify those limits.	<p>The modified extraction boundary (per MOD2) has been surveyed by registered surveyors (B&P Surveys) and star pickets placed with ~2m high orange electrical conduit to enhance the visibility of the markers.</p> <p>Markers were sighted onsite during this audit.</p> <p>Evidence record sighted: CL_17-2019_23114D - Survey of MOD2 Extraction Boundary & Marker Locations</p>		Compliant
54			PIPELINE CORRIDOR			
55	Sch 2	23	Prior to commencing work to install pipelines in the pipeline corridors (shown conceptually in Appendix 1), the Proponent must submit for the approval of the Secretary:	<p>As per the records reviewed, Neumann Contractors emailed DPE the required information for the section of pipeline between the Quarry Site and the Cudgen Heights fill site 5 and 19 July 2017. DPE approved installation of the pipeline by letter dated 31 July 2017.</p> <p>No additional sections of pipeline were placed during the reporting period.</p> <p>Evidence sighted:</p> <p>- CL_14-2019_Correspondence to DPE re Schedule 3 Condition 2 - Pipeline Corridor_20170705</p> <p>- CL_15-2019_Correspondence to DPE re Schedule 3 Condition 2 - Pipeline Corridor_20170719</p>		Compliant
56			(a) a survey plan of the route of the pipeline;			
57			(b) evidence that this route does not require native vegetation clearing;			
58			(c) evidence that the fill sites have approval for filling; and			
59			(d) in relation to the eastern pipeline:			
60			(i) evidence that any vegetation cleared from the eastern pipeline corridor following the date of this approval has been lawfully carried out in accordance with another approval;			

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
61			(ii) details of proposed measures to protect vegetation during pipeline installation, operation and removal; and	- CL_16-2019_617_Approval Pipeline Stage 2_20170731		
62			(iii) Details of measures, developed in consultation with OEH, to provide opportunities for the Wallum Froglet to cross the eastern pipeline.			
63	Sch 2	24	The Proponent must maintain the pipelines, ensuring that any leak or maintenance issues are detected and repaired to the satisfaction of the Secretary.	Based on the operator's records, the pipelines during the operation period (2017-2018) were maintained and inspected by Neumann Contractors. However, following the completion of filling of the Cudgen Heights area the pipelines were removed. Therefore no inspections or maintenance were applicable during this audit period. Evidence: Annual Review 2017-2018		Compliant
64	Sch 2	25	The Proponent must ensure that the office facilities for the processing area:	No facilities at the site during this audit. Based on the records provided, temporary office facilities previously placed within the Processing Area included the appropriate ventilation and air conditioning facilities.		Compliant
65			(a) are designed with ventilation emanating from the side facing away from the Kingscliff Waste Water Treatment Plant; and			
66			(b) Have air conditioning facilities installed prior to occupation.			
67			SCHEDULE 3 SPECIFIC ENVIRONMENTAL CONDITIONS			
68			NOISE			
69	Sch 3		Operational Noise Criteria			
1.	Sch 3	1	The Proponent must ensure that the noise generated by the project does not exceed the criteria in Table 2 at any residence on privately-owned land.	Noise monitoring records of previous activities at operations at the site were provided.		Compliant

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
71			Noise generated by the project is to be measured in accordance with the relevant requirements and exemptions (including certain meteorological conditions) of the NSW Industrial Noise Policy. Appendix 3 sets out the meteorological conditions under which these criteria apply and the requirements for evaluating compliance with these criteria.	The process of monitoring noise was in place for future operations. GALES-KINGSCLIFF PTY LTD 2017/2018 ANNUAL REVIEW Cudgen Lakes Sand Quarry Report No. 617/35 Appendix 2 - Noise Monitoring Results		
72			However, the noise criteria in Table 2 do not apply if the Proponent has an agreement with the relevant landowner to exceed the noise criteria, and the Proponent has advised the Department in writing of the terms of this agreement.			
73			Cumulative Noise Criteria			
74	Sch 3	2	The Proponent must take all reasonable and feasible measures to ensure that noise generated by the project combined with the noise generated by other industrial development does not exceed the following amenity criteria on any privately-owned land, to the satisfaction of the Secretary:	Noise monitoring records of previous activities at operations at the site were provided. GALES-KINGSCLIFF PTY LTD 2017/2018 ANNUAL REVIEW Cudgen Lakes Sand Quarry Report No. 617/35 Appendix 2 - Noise Monitoring Results The process of monitoring noise was in place for future operations.		Compliant
75			(a) LAeq (11 hour) 50 dB(A) – Day;			
76			(b) LAeq (4 hour) 45 dB(A) - Evening and			
77			(c) LAeq(9 hour) 40 dB(A) - Night			
78			Operating Conditions			
79	Sch 3	3	The Proponent must:	Records of noise monitoring were reported in the Annual Review 2017-2018 during the operating period (October 2017 to February 2018).		Compliant
80			(a) implement best practice management to minimise the construction, operational and road transportation noise of the project;			

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
81			(b) minimise the noise impacts of the project during meteorological conditions when the noise criteria in this approval do not apply (see Appendix 3);			
82			(c) carry out attended noise monitoring (at least every 3 months or as otherwise agreed by the Secretary) to determine whether the project is complying with the operational noise criteria in Table 2 (see Appendix 3); and			
83			(d) Regularly assess noise monitoring data and modify and/or stop operations on site to ensure compliance with the relevant conditions of this approval, to the satisfaction of the Secretary.			
84			Noise Management Plan			
85	Sch 3	4	The Proponent must prepare a Noise Management Plan for the project to the satisfaction of the Secretary. This plan must:	The Department confirmed by letter 18 April 2019 that R.W. Corkery & Co Pty Limited was suitably qualified to prepare the noise management plan Evidence sighted: CL_25-2019_20190419_DPE Letter re M.Plans		Compliant
86			(a) be prepared by a suitably qualified and experienced person/s whose appointment has been endorsed by the Secretary;			
87			(b) be submitted to the Secretary for approval within three months of the determination of Modification 2;	The updated management plan was submitted to the Department on 22 April 2019 within 3 months after the determination of Modification 2 dated 22 January 2019.		Compliant

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
88			(c) be prepared in consultation with the EPA;	EPA confirmed via email on 18 April 2019 that they would not be providing comments on the updated plan. Consultation records sighted as evidence during this audit.		Compliant
89			(d) describe the measures to be implemented to ensure: • compliance with the noise criteria and operating conditions of this approval; • best practice management is being employed; and • the noise impacts of the project are minimised during meteorological conditions under which the noise criteria in this approval do not apply (see Appendix 3);	Noise Management Plan Section 3 of the updated noise management plan outlines the noise management measures.		Compliant
90			(e) describe the proposed noise management system; and			
91			(f) Include a monitoring program to be implemented to measure noise from the project against the noise criteria in Table 2, and which evaluates and reports on the effectiveness of the noise management system on site.			
92			The Proponent must implement the Noise Management Plan as approved from time to time by the Secretary	Records of operations from 2017-2018 as per Annual Review 2017-2018 and monitoring data noted compliance to Noise Management Plan. An updated NMP based on the Mod 2 approval was submitted to DPIE for approval.		Compliant
93			AIR QUALITY			
94			Air Quality Impact Assessment Criteria			

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
95	Sch 3	5	The Proponent must ensure that particulate matter emissions generated by the project do not cause exceedance of the criteria in Table 3 at any residence on privately-owned land.	Records of implementation were reported in Annual Reports 2017 to 2018.		Compliant
96			Operating Conditions			
97	Sch 3	6	The Proponent must:	<p>Previous records sighted were compliant. CL_09-2019_61735_Annual Review_2017-2018</p> <p>During this audit, site inspection was conducted, the area is generally covered with grass and stabilised. No dust generation sighted.</p>		Compliant
98		(a) implement best management practice to minimise the dust emissions of the project, including routinely watering haul roads being used by heavy vehicles and equipment;				
99		(b) regularly assess meteorological and air quality monitoring data to guide the day-to-day planning of operations and implementation of air quality mitigation measures to ensure compliance with the relevant conditions of this approval;				
100		(c) minimise the air quality impacts of the project during adverse meteorological conditions and extraordinary events (see Note c to Table 3 above);				
101		(d) monitor and report on compliance with the relevant air quality conditions in this approval; and				
102		(e) Minimise surface disturbance of the site, other than as permitted under this approval, to the satisfaction of the Secretary.				
103			Air Quality Management Plan			
104	Sch 3	7	The Proponent must prepare an Air Quality Management Plan for the project to the satisfaction of the Secretary. This plan must:	The Department confirmed by letter 18 April 2019 that R.W. Corkery & Co Pty		Compliant

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
				Limited was suitably qualified to prepare the Air Quality Management Plan.		
105			(a) be prepared by suitably qualified and experienced person/s whose appointment has been endorsed by the Secretary			
106			(b) be prepared in consultation with the EPA	EPA confirmed via email on 18 April 2019 that they would not be providing comments on the updated Air Quality Management Plan		Compliant
107			(c) be submitted to the Secretary within three months of the determination of Modification 2;	The updated management plan was submitted to the Department on 22 April 2019 which is within 3 months of the determination of Modification 2. Evidence sighted: email RE: 617: Cudgen - Updated AQMP, NMP & EMS dated 22/04/2019.		Compliant
108			(d) describe the measures to be implemented to ensure: • compliance with the air quality criteria and operating conditions of this approval; • best practice management is being employed; and • the air quality impacts of the project are minimised during adverse meteorological conditions and extraordinary events;	Section 3 of the updated Air Quality Management Plan outlines the air quality management measures.		Compliant
109			(e) describe the air quality management system in detail; and	Section 7 of the updated Air Quality Management Plan outlines the air quality management system.		Compliant
110			(f) Include and air quality monitoring program that: • is capable of evaluating the performance of the project against the air quality criteria; • adequately supports the air quality management system; and • includes a protocol for determining any exceedance of the air quality criteria.	Section 6 of the updated Air Quality Management Plan outlines the air quality monitoring program.		Compliant

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
111			The Proponent must implement the Air Quality Management Plan as approved from time to time by the Secretary.	Approval of the updated Air Quality Management Plan remains pending.		
112			Meteorological Monitoring			
113	Sch 3	8	For the life of the project, the Proponent 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 and Analysis of Air Pollutants in New South Wales guideline.	Reliance was placed upon an on-site rain gauge, the BOM Coolangatta Station No. 040717 and BOM Tweed Heads Golf Course Station No. 058056. Rain and wind data is presented in Section 6.2 of the Annual Review 2018-2019.		Compliant
114			Greenhouse Gas Emissions			
115	Sch 3	9	The Proponent must implement all reasonable measures to minimise the release of greenhouse gas emissions from the site.	Cannot be verified at the time of this audit. Operations ceased since February 2018. Requirement introduced in Mod 2. No Operations have been conducted after Mod 2 approval.		Not Triggered
116			SOIL AND WATER			
117			Water Supply			
118	Sch 3	10	The Proponent must ensure that it has sufficient water for all stages of the project, and if necessary, adjust the scale of operations under this approval to match its available water supply.	Gales holds Water Access Licence 40902 which provides for 'take' of up to 700ML per year.		Compliant
119			Water Discharges			
120	Sch 3	11	11. The Proponent must comply with the discharge limits in any EPL for the site, or with section 120 of the POEO Act.	No reported discharges occurred during the audit period.		Compliant
121			Fines Management			

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
122	Sch 3	12	12. The Proponent must ensure that:			
123			(a) no potential acid sulphate soil is removed from the site, unless adequately neutralised in accordance with methods approved under the Soil and Water Management Plan (see condition 18 below);	Implementation of managing potential acid sulphate soils were recorded in Annual Review 2016-2017 and 2017-2018		Compliant
124			(b) all excavated potential acid sulphate soil fines material is discharged into the dredge pond at a depth greater than 3 metres below the water surface as soon as possible to prevent oxidisation; and	Implementation of managing potential acid sulphate soils were recorded in Annual Review 2016-2017 and 2017-2018.		Compliant
125			(c) All fines are deposited to a final depth of at least 8 metres below the water surface, unless an alternative method(s) is approved by the EPA and the Secretary.	All fines previously generated have been deposited at a depth of approximately -12m below water surface. Evidence provided: CL_23a-2019_Postdredge Survey 180213-Plan CL_23b-2019_Postdredge Survey 180213-Xsects		Compliant
126			Flood Management			
127	Sch 3	13	All earthworks, including drainage and bunding works, must be contained wholly within the site.	Site inspection was conducted as part of this audit. All earthworks, including drainage and bunding works were contained within the site boundary.		Compliant
128	Sch 3	14	The Proponent must cease dredging and processing activities not less than 24 hours prior to the commencement of overflow from any dredge pond. No dredging or processing may occur when the dredge ponds are overflowing.	No floods or overflows of the dredge pond bunding occurred during the audit period.		Not Triggered
129	Sch 3	15	The Proponent must ensure that the flood storage capacity of the site throughout all stages of the project is not less than the pre-project flood storage capacity, unless	Based on pre and post extraction survey, net flood storage capacity has been increased by ~6 000m ³ (6ML). It was noted that all bunding has been created using soil		Compliant

ID No.	CoA Part No.	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
			otherwise agreed by the Secretary. Details of the available flood storage capacity must be reported in each Annual Review.	material (located above the water table) and no VENM was imported. Therefore, dredging of sand off site has resulted a net removal of material from above the water table (therefore increasing flood storage). Evidence provided: CL_29-2019_Flood Capacity Calculations_2018		
130	Sch 3	16	16. The Proponent must ensure that the top of the earth bund around the extraction ponds does not exceed 1.8 metres AHD. Spillways must be provided at the eastern and western extents of each bund and must be a minimum of 50 metres wide and not exceed 1.3 metres AHD. Bunds and spillways must be suitably surfaced (for example grassed or rock lined) to avoid scour and erosion during storm and flood events.	All bunding surrounding the extraction area has been constructed in accordance with these requirements. Advised by Neumann Contractors – they utilised excavators with GPS and a surveyed reference point.		Compliant
131	Sch 3	17	17. The Proponent must ensure that the pad of the processing area does not exceed a height of 1.8 metres AHD.	Levels have been retained to 1.8m AHD. Advised by Neuman Contractors – they utilised excavators with GPS and a surveyed reference point.		Compliant
132			Soil and Water Management Plan			
133	Sch 3	18	18. Within three months of the determination of Modification 2, unless otherwise agreed by the Secretary, the Proponent must prepare a Soil and Water Management Plan for the project in consultation with EPA, Water	Extensions were granted by the Department on 18 April and 31 May 2019 for the submission of the updated Soil and Water Management Plan (SWMP) by 8 July 2019. The updated SWMP was submitted to the Department on 8 July 2019. A copy of the SWMP was also provided to the required agencies for comment on 24 June 2019. The Department approved of RWC, AGEC and HMC as being suitably qualified to prepare		Compliant

ID No.	CoA Part No.	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
				the SWMP on 31 May 2019 Evidence provided: email to DPIE 08/07/2019 for copy of SWMP as submitted -CL_27-2019-2019 M.Plan Correspondence included correspondence with Council, NRAR, Water NSW, Algal Committee, EPA, DPIE		
134			NSW, DoI and Council, to the satisfaction of the Secretary. This plan must be prepared by a suitably qualified expert whose appointment has been approved by the Secretary, and include:			
135			(a) a Site Water Balance;	Soil and Water Management Plan for the Cudgen Lakes Sand Quarry Version 4b dated 08/07/2019. Section 3 of the SWMP.		Compliant
136			(b) an Erosion and Sediment Control Plan;	Section 4 of the SWMP.		Compliant
137			(c) a Surface Water Monitoring Program;	Section 7 of the SWMP.		Compliant
138			(d) a Groundwater Monitoring Program; and	Section 6 of the SWMP.		Compliant
139			(e) A Blue-green Algae Management Plan.	Section 8 of the SWMP.		Compliant
140			The Proponent must implement the approved plan as approved from time to time by the Secretary.	The updated SWMP is currently pending approval. Evidence provided: Email to DPIE 08/07/2019 for copy of SWMP as submitted		Compliant
141	Sch 3	19	19. The Site Water Balance must include details of:			
142			(a) sources and security of water supply;	Section 3.2 of the SWMP.		Compliant
143			(b) water use and management on site;	Section 3.3 of the SWMP.		Compliant
144			(c) any off-site water transfers;	Section 3.3 of the SWMP.		Compliant
145			d) reporting procedures; and	Section 9 of the SWMP.		Compliant

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	Part No.					
146			(e) Measures to be implemented to minimise clean water use on site.	Section 3.5 of the SWMP.		Compliant
147	Sch 3	20	20. The Erosion and Sediment Control Plan must			
148			(a) be consistent with the relevant requirements of the Department of Housing's Managing Urban Stormwater: Soil and Construction Manual, the NSW Acid Sulphate Soil Advisory Committee's Acid Sulphate Soil Manual, and relevant Council codes, or most recent versions of these documents;	Soil and Water Management Plan for the Cudgen Lakes Sand Quarry Version 4b dated 08/07/2019 Section 4 defined the process for erosion and sedimentation controls. Sections 4.1 and 5.1 of SWMP.	Opportunity for improvement to develop drawings showing erosion and sedimentation controls to be implemented at the site and progressive update and maintenance during operations.	Compliant OFI-02
149			(b) describe construction and operational activities that could cause soil erosion, sedimentation or generation of acid sulphate soils;	Sections 4.2 and 5.2 of the SWMP.		Compliant
150			(c) describe the location, function, and capacity of soil and water management and control structures during construction, stabilisation and operational stages;	Section 4.3 of the SWMP.		Compliant
151			(d) describe measures to minimise soil erosion and the potential for the transport of sediment to downstream waters;	Section 4.3 of the SWMP.		Compliant
152			(e) define procedures for managing the potential acid sulphate soils on the site;	Sections 5.3 and 5.4 of the SWMP.		Compliant
153			(f) define procedures for managing water releases from the site; and	Section 7.8 of the SWMP.		Compliant
154			(g) Define procedures for the maintenance of soil and water management structures on the site during the life of the project.	Section 4.4 of the SWMP.		Compliant
155	Sch 3	21	The Surface Water Monitoring Program must include:	Surface Water Monitoring Program was included in SWMP.		Compliant
156			(a) a detailed description of the surface water management system;	Section 7.2 of the SWMP.		Compliant

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157			(b) surface water impact assessment criteria;	Section 7.4 of the SWMP.		Compliant
158			(c) a program to monitor bank and bed stability;	Section 4.4 of the SWMP.		Compliant
159			(d) a program to monitor and manage pH in the dredge pond;	Section 7.5 of the SWMP.		Compliant
160			(e) a program to monitor and report on adverse impacts of the project on surface water flows and quality, including any surface water discharges; and	Sections 7.7 and 7.8 of the SWMP.		Compliant
161			(f) A protocol for the investigation, notification and mitigation of identified exceedance of the surface water impact assessment criteria.	Section 7.7 of the SWMP.		Compliant
162	Sch 3	22	22. The Groundwater Monitoring Program must include:	Groundwater Monitoring Program was included in SWMP.		Compliant
163			(a) detailed baseline data on groundwater levels and quality, based on statistical analysis;	Section 6.2 of the SWMP.		Compliant
164			(b) groundwater impact assessment criteria;	Section 6.3 of the SWMP.		Compliant
165			(c) a program to monitor and report on adverse impacts of the project on groundwater flows and quality;	Sections 6.4 and 6.5 of the SWMP.		Compliant
166			(d) a program to monitor groundwater level effects on vegetation, and on groundwater supply to adjoining properties; and	Section 6.4 of the SWMP.		Compliant
167			(e) A protocol for the investigation, notification and mitigation of identified exceedance of the groundwater impact assessment criteria.	Section 6.5 of the SWMP.		Compliant
168	Sch 3	23	23. The Blue-Green Algae Management Plan must:	The Blue-Green Algae Management was included in SWMP.		Compliant

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169			(a) be consistent with extant guidelines for blue-green algae management including the National Health and Medical Research Council's Guidelines for Managing Risks in Recreational Water;	Section 8.2 of the SWMP.		Compliant
170			(b) describe the measures that would be implemented to prevent and control the sources of algal blooms over the short, medium and long term;	Section 8.5 of the SWMP.		Compliant
171			(c) include a detailed recovery plan that aims to reduce algae levels to meet the water quality completion criteria in the Rehabilitation Management Plan;	Section 8.5 of the SWMP.		Compliant
172			(d) include reasonable and feasible measures to reduce nutrient levels in the pond/s over the short, medium and long term, and include interim water quality targets for nutrients based on continual improvement and established water quality objectives for the Tweed River catchment; and	Sections 8.5 and 8.6 of the SWMP.		Compliant
173			(e) Define procedures for the management and notification of identified algal blooms.	Section 8.8 of the SWMP.		Compliant
174			Additional Groundwater Requirements			
175	Sch 3	24	24. Within six months of the determination of Modification 2, the Proponent must:	As part of the updated SWMP an extensive review was completed of the existing water monitoring data and management measures. These details were included as part of the updated SWMP. The completion of this review was advised within the correspondence to the Department with the submission of the SWMP on 8 July 2019.		Compliant

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176			(a) review the site's existing groundwater monitoring data (including water quality data) and groundwater management and mitigation measures;			
177			(b) identify any additional monitoring, management or mitigation measures required to achieve the site's groundwater impact assessment criteria, as required under condition 22(c) of this Schedule; and			
178			(c) Prepare an amended Groundwater Monitoring Program to reflect any additional measures, to the satisfaction of the Secretary.			
179	Sch 3	25	Prior to extracting beyond the previously-proposed realigned Altona Drive (as shown in Figure 2 of the Department's Assessment Report for Modification 2), the Proponent, following consultation with DoI, must:	Noted. Extraction has not yet encroached upon the previously proposed Altona Road.		Not Triggered
180			(a) update the existing groundwater model for the project to address the consolidated extraction area as approved under Modification 2;			
181			(b) re-assess the potential groundwater impacts of the project; and			
182			(c) Review and if necessary revise the Groundwater Monitoring Program and the groundwater management and mitigation measures for the project in response to the updated groundwater modelling; to the satisfaction of the Secretary.			
183			TRANSPORT			
184			Site Access			

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	Part No.					
185	Sch 3	26	The Proponent must ensure that all heavy vehicle access to and from the site is via the Tweed Coast Road/Crescent Street/Altona Road route. Heavy vehicles must not travel via Crescent Street through Cudgen Village, except for local deliveries to Cudgen Village.	Product transportation has not commenced during this audit period.	An opportunity for improvement to develop the traffic control plan to ensure that all heavy vehicle access to and from the site is via the Tweed Coast Road/Crescent Street/Altona Road route and heavy vehicles must not travel via Crescent Street through Cudgen Village, except for local deliveries to Cudgen Village.	Not Triggered OFI-03
186			Upgrade and Maintenance of Altona Road			
187	Sch 3	27	27. The Proponent must upgrade Altona Road between the site entrance and intersection with Crescent Street. This upgrade must:	Upgrade works have not yet been completed nor has product transportation or VENM receipt commenced. Hanson, operator of the Tweed Sand Quarry has sought and received approval for the construction of a single longer passing bay. It is noted that a draft cost sharing agreement between Gales and the owner of the Tweed Sand Quarry, in consultation with Council, was sent to the Secretary on 25/9/2019		Not Triggered
188		(a) provide for the construction of an acceleration lane of not less than 200 metres in length on Tweed Coast Road, northbound from the intersection, to the satisfaction of Council (as roads authority);				
189		(b) provide for channelized right turn treatment (line marking only) on Tweed Coast Road for vehicles turning right into Crescent Street;				
190		(c) be designed and constructed in accordance with Austroads Guidelines, Australian Standards and RMS Supplements; and				
191		(d) be funded by the Proponent, or by a cost sharing agreement between the Proponent and the owner of the Tweed Sand Quarry, in consultation with Council;				
192	Sch 3	28	By 20 August 2019, the Proponent must enter into a cost sharing agreement with	A draft agreement between Gales and the owner of the Tweed Sand Quarry, in	The extension letter to DPIE was sent on 21 August 2019. Therefore, this is a non-	Non-compliant

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			the owner of the Tweed Sand Quarry, in consultation with Council, for the maintenance of Altona Road between the site entrance and intersection with Crescent Street. This agreement must:	consultation with Council, was referred to the Secretary on 25/9/2019. It is noted that some areas remained in dispute. An extension to the timeframe had also been sought from the Department.	compliant to the requirement of this condition based on not achieving the timing set before 20 August 2019.	NC-02
193			(a) provide for ongoing repairs and maintenance of the road;	Evidence sighted: CL_18-2019_Time Extension Request for Altona Road Maintenance Agreement - Hanson and Gales	It is recommended to ensure that submission of documents required by DPIE must be submitted within the required timeframe. A regular compliance tracking review (e.g. quarterly) is recommended to ensure compliance with the Conditions of Approval.	
194		(b) apply to the existing or any future approved alignment of Altona Road; and				
195		(c) Provide for proportionate and equitable contributions between the Proponent and the owner of the Tweed Sand Quarry (based on actual annual product road transport or other measure/s agreed by the parties).				
196		If a cost sharing agreement cannot be reached or if there is any dispute regarding the finalisation of the terms of the cost sharing agreement, or its implementation, then either party may refer the matter to the Secretary for resolution.				
197		Upgrade of the Crescent Street and Tweed Coast Road Intersection				
198	Sch 3	29	The Proponent must upgrade the intersection of Crescent Street and Tweed Coast Road. This upgrade must:	Upgrade works have not yet been completed nor has product transportation or VENM receipt commenced.		Not Triggered
199			(a) provide for the construction of an acceleration lane of not less than 200 metres in length on Tweed Coast Road, northbound from the intersection, to the satisfaction of Council (as roads authority);	As noted above, some areas of dispute remained in the draft agreement which was referred to the Secretary for resolution on 25/9/19.		
200			(b) provide for channelized right turn treatment (line marking only) on Tweed Coast Road for vehicles turning right into Crescent Street;			

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201			(c) be designed and constructed in accordance with Austroads Guidelines, Australian Standards and RMS Supplements; and			
202			(d) be funded by the Proponent, or by a cost sharing agreement between the Proponent and the owner of the Tweed Sand Quarry, in consultation with Council;			
203			If a cost sharing agreement cannot be reached or if there is any dispute regarding the finalisation of the terms of the cost sharing agreement, or its implementation, then either party may refer the matter to the Secretary for resolution.			
204			Operating Conditions			
205	Sch 3	30	The Proponent must:	It was noted that there were no activities onsite and no cars/delivery trucks parking on the street. Parking area was available at the processing area- site entrance from Altona Road.		Compliant
206		(a) provide sufficient parking on the site for all project-related traffic and visitors, in accordance with any applicable Council parking code and ensure that no on street parking is undertaken;				
207		(b) ensure that trucks do not enter the site prior to 7.00 am on any day;				
208		(c) ensure that on-site parking and pedestrian facilities are adequately signposted;				
209		(d) ensure that all laden trucks entering or exiting the site have their loads covered				
210		(e) ensure that all laden trucks exiting the site are cleaned of material that may fall from vehicles, before leaving the site;				
211		(f) use its best endeavours to ensure that appropriate signage is displayed on all				

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			trucks used to transport quarry products from the project so they can be easily identified by road users; and			
212			(g) Keep accurate records of all laden truck movements to and from the site and publish a summary of these records on its website every month.			
213			Transport Management Plan			
214	Sch 3	31	The Proponent must prepare a Traffic Management Plan for the project to the satisfaction of the Secretary. This plan must:	Approval for the staged submission of the Traffic Safety Plan was issued by DPE 9 September 2016.	Opportunity for Improvement to ensure that the Traffic Management Plan will be reviewed and updated accordingly to cover the requirements of Conditions of Approval under Modification 2 prior resuming operations.	Compliant OFI-04
215			(a) be prepared by suitably qualified and experienced person/s whose appointment has been endorsed by the Secretary;	The 'Stage 1' Traffic Management Plan, for physical commencement activities, was prepared in consultation with Council and RMS and approved by DPE 12/09/16.		
216			(b) be prepared in consultation with RMS, Transport for NSW and Council, and in accordance with the RTA – Traffic Control at Worksites Manual;	The 'Stage 2' Traffic Management Plan for works to enable commencement of dredging was prepared in consultation with Council and RMS and approved by DPE 25/05/17.		
217			(c) describe the processes in place for the management of truck movements entering and exiting the site;	Product transportation has not yet commenced.		
218			(d) prohibit trucks departing the site from turning right from Crescent Street to Tweed Coast Road;			
219			(e) include a Drivers' Code of Conduct that includes:			
220			• details of the safe and quiet driving practices that must be used by drivers travelling to and from the quarry;			
221			• a map of the primary haulage route;			
222			• safety initiatives for haulage through residential areas, school zones and along school bus routes;			

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223			<ul style="list-style-type: none"> • an induction process for vehicle operators and regular toolbox meetings; 			
224			<ul style="list-style-type: none"> • complaints resolution and disciplinary procedures; and 			
225			<ul style="list-style-type: none"> • Details of community consultation measures for peak haulage periods. 			
226			(f) describe the measures to be put in place to ensure compliance with the Drivers' Code of Conduct;			
227			(g) include details of the measures to be implemented to minimise traffic safety issues and disruption to local road users during road upgrade works; and			
228			(h) Propose measures to minimise the transmission of dust and tracking of material onto the surface of public roads from vehicles leaving the quarry.			
229			The Proponent must not dispatch any trucks from the site until the Traffic Management Plan is approved by the Secretary.			
230			The Proponent must implement the approved Traffic Management Plan as approved from time to time by the Secretary.			
231			REHABILITATION			
232			Rehabilitation Objectives			
233	Sch 3	32	The Proponent must rehabilitate the site to the satisfaction of the Secretary. This rehabilitation must be generally consistent with the proposed rehabilitation activities described in the documents listed in condition 3 of Schedule 2, and comply with the objectives in Table 4.	No areas have yet become available for final rehabilitation. Notwithstanding, it was noted that 'temporary' rehabilitation of soil stockpiles and bunding has been completed. Refer to Annual Review 2018-2019 figures.		Not Triggered

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234			Progressive Rehabilitation			
235	Sch 3	33	The Proponent must rehabilitate the site progressively, that is, as soon as reasonably practicable following disturbance. All reasonable steps must be taken to minimise the total area exposed at any time. Interim stabilisation and temporary vegetation strategies must be employed when areas prone to dust generation, soil erosion and weed incursion cannot be permanently rehabilitated.	<p>Site inspection was conducted as part of this audit most the areas were covered with grass and only the laydown area was exposed but stabilised.</p> <p>No areas have yet become available for final rehabilitation. Notwithstanding, it is noted that 'temporary' rehabilitation of soil stockpiles and bunding has been completed therefore achieving a minimum exposed area. Evident during site inspection and based on Annual Review 2018-2019 figures.</p>		Compliant
236			Rehabilitation Management Plan			
237	Sch 3	34	34. The Proponent must prepare a Rehabilitation Management Plan for the project to the satisfaction of the Secretary. This plan must:			
238			(a) be prepared by a suitably qualified and experienced person/s whose appointment has been endorsed by the Secretary;	RWC was approved as being suitably qualified to prepare the Rehabilitation Management Plan (RMP) on 31 May 2019.		Compliant
239			(b) be prepared in consultation with Council, Water NSW, DoI and OEH;	The RMP was supplied to these agencies for review on 1 July 2019. Evidence of correspondence were provided.		Compliant
240			(c) be submitted to the Secretary within three months of the determination of Modification 2, unless the Secretary agrees otherwise;	Extensions were granted by the Department on 18 April and 31 May 2019 for the submission of the updated RMP by 8 July 2019. The updated SWMP was submitted to the Department on 8 July 2019. Comments from DPIE was provided on 29/08/2019 giving a deadline to address the comments by 11/09/2019.		Compliant

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241			(d) describe how the rehabilitation of the site and pipeline corridors would achieve the objectives identified in Table 4;	Sections 3.2 and 3.3 of the RMP.		Compliant
242			(e) describe the short, medium, and long term measures that would be implemented to:	Section 3.2 of the RMP.		Compliant
243			• rehabilitate and stabilise the site and pipeline corridors; and	Sections 3.4 and 4.3 of the RMP.		Compliant
244			• manage the restored vegetation and wetland habitat established on the site;	Section 3.2 of the RMP.		Compliant
245			(f) include detailed performance and completion criteria for the rehabilitation and stabilisation of the site (including appropriate water quality criteria);	Section 3.5 of the RMP.		Compliant
246			(g) include a detailed description of the measures to be implemented to:	Section 3.3.8 of the RMP.		Compliant
247			• enhance existing vegetation and increase littoral and terrestrial habitat potential;			
248			• protect areas outside the disturbance areas, including vegetation adjoining pipelines;			
249			• control terrestrial and aquatic weeds and pests;			
250			• control access; and			
251			• reduce the visual impacts of the project;			
252			(h) include a program to monitor, independently audit and report on the effectiveness of the measures in paragraph (g) above, and progress against the detailed performance and completion criteria in paragraph (f);	Section 4 of the RMP.		Compliant
253			(i) include a vegetation clearance protocol;	Section 3.3.8 of the RMP.		Compliant

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254			(j) include a Long-Term Management Strategy, which:	Section 4 of the RMP.		Compliant
255		<ul style="list-style-type: none"> defines the objectives and criteria for quarry closure and post-extraction management; 				
256		<ul style="list-style-type: none"> investigates options for the future use of the site; 				
257			<ul style="list-style-type: none"> describes the measures that would be implemented to minimise or manage the ongoing environmental effects of the project; an 			
258			<ul style="list-style-type: none"> describes how the performance of these measures would be monitored over time; 			
259			(k) describe the potential risks to successful rehabilitation and/or revegetation, including a description of the contingency measures that would be implemented to mitigate these risks; and	Section 3.6 of the RMP.		Compliant
260			(l) Detail who is responsible for monitoring, reviewing, and implementing the plan.	Section 3.7 of the RMP.		Compliant
261			The Proponent must implement the approved Rehabilitation Management Plan as approved from time to time by the Secretary	Approval of the updated RMP remains pending. Implementation of the RMP cannot be verified during this audit period as there was no final rehabilitation of the site yet.		Not Triggered
262			Rehabilitation bond			
263	Sch 3	35	Within 6 months of the approval of the Rehabilitation Management Plan, the Proponent must lodge a Rehabilitation Bond with the Department to ensure that the rehabilitation of the site is undertaken in	Note that the updated RMP has not been approved yet by DPIE. However, a rehabilitation bond was previously established (correspondence		Compliant

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			accordance with the performance and completion criteria set out in the plan and the relevant conditions of approval. The sum of the bond must be an amount agreed to by the Secretary and determined by:	from DPE dated 12/04/17 confirms receipt of bank guarantee for the agreed rehabilitation bond of \$163,375). The review of the bond is required within 6 months of the approval of the RMP.		
264			(a) calculating the cost of rehabilitating all disturbed areas of the site, taking into account the likely surface disturbance over the next 3 years of quarrying operations; and	Approval of the RMP remains pending.		
265			(b) Employing a suitably, independent and experienced person to verify the calculated costs.	Evidence sighted: CL_31-2019_Correspondence re Bonds		
266			The calculation of the Rehabilitation Bond must be submitted to the Department for approval at least 1 month prior to the lodgement of the bond			
267	Sch 3	36	The Rehabilitation Bond must be reviewed and if required, an updated bond must be lodged with the Department within 3 months following:	Noted. Not yet triggered at the time of this audit. The updated RMP was still pending approval		Not Triggered
268			(a) any update or revision to the Rehabilitation Management Plan;			
269			(b) the completion of an Independent Environmental Audit; or			
270			(c) In response to a request by the Secretary.			
271			ABORIGINAL CULTURAL HERITAGE			
272			Aboriginal Cultural Heritage Management Plan			
273		37	The Proponent must prepare an Aboriginal Cultural Heritage Management Plan to the	The Aboriginal Cultural Heritage Management Plan (ACHMP) was		Compliant

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			satisfaction of the Secretary. This plan must:	implemented as applicable during the reporting period.		
274			(a) be prepared in consultation with the relevant Aboriginal communities;	Prepared in consultation with Tweed-Byron LALC (correspondence dated 01/03/11)		Compliant
275			(b) be submitted to the Secretary for approval prior to carrying out any development; and	The initial ACHMP was submitted to the then DoP 09/02/11 and approved 14/05/14. An updated version was approved 05/07/17. As confirmed to the Department on 16 April 2019, as a result of the MOD2 approval, only administrative updates were required to the existing plan. These will be supplied to the Department prior to any further development.		Compliant
276			(c) include a description of the:			Compliant
277			<ul style="list-style-type: none"> Aboriginal cultural heritage induction protocol for employees; 	Section 7 of the ACHMP.		Compliant
278			<ul style="list-style-type: none"> process for Aboriginal inspection of excavations for the northern pipeline corridor; 	Section 8 of the ACHMP.		Compliant
279			<ul style="list-style-type: none"> measures that would be implemented if any new Aboriginal objects or skeletal remains are discovered during the project either within or beyond the area of disturbance; and 	Section 10 and Appendix 1 of the ACHMP.		Compliant
280			<ul style="list-style-type: none"> Process for identifying a long-term storage location should Aboriginal relics be discovered within the project site requiring salvage. 	Section 12 of the ACHMP.		Compliant
281			The Proponent must implement the approved Aboriginal Cultural Heritage Management Plan as approved from time to time by the Secretary.	As confirmed to the Department on 16 April 2019, as a result of the MOD2 approval, only administrative updates were required to the existing plan. These will be supplied		Compliant

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				to the Department prior to any further development.		
282			VISUAL			
283		38	The Proponent must establish and subsequently maintain the vegetation screen around the extraction area within 12 months of the date of this approval.	<p>Vegetation screening was previously planted adjacent to Tweed Coast Road and Crescent Street, fencing installed to exclude cattle and slashing of grass undertaken within the fenced off area to assist tree growth. Supplemental planting was also completed during September 2017 with maintenance (principally weed spraying and fence repair) occurring throughout the audit period.</p> <p>During this audit site inspection was conducted and vegetation screening around the site and fencing were in good condition. Evidence provided: CL_10-2019_61738_Annual Review 2018-2019</p>		Compliant
284	Sch 3	39	The Proponent must implement all reasonable measures to minimise the visual and off-site lighting impacts of the project to the satisfaction of the Secretary.	No operations during this audit. During site inspection there were no source of lighting coming from the site and the site was screened with vegetation.		Compliant
285			WASTE			
286	Sch 3	40	40. The Proponent must:			
287			(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;	No operations during this audit. However, during the reporting period any wastes generated from the limited activities (monitoring and marking of the extraction boundaries) were removed from site by the consultant / contractor. No wastes left at the site.		Compliant

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288			(b) minimise the waste generated by the project;			
289			(c) ensure that the waste generated by the project is appropriately stored, handled, and disposed of; and			
290			(d) Report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary.	Reported under Annual Review for the Cudgen Lakes Sand Quarry 1 July 2018 to 30 June 2019. No operations at the time of audit.		Compliant
291	Sch 3	41	Except as expressly permitted in an EPL, the Proponent must not receive waste at the site for storage, treatment, processing, reprocessing or disposal.	No waste has been received at the site for storage, treatment, processing, reprocessing or disposal.		Compliant
292			LIQUID STORAGE			
293	Sch 3	42	42. The Proponent 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.	No operations and no storage noted during site inspection.		Compliant
294			DANGEROUS GOODS			
295	Sch 3	43	43. The Proponent 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.	No dangerous goods stored at the site based on the site inspection conducted during this audit.		Compliant
296			SCHEDULE 4 ADDITIONAL PROCEDURES			
297			NOTIFICATION OF EXCEEDANCES			
298	Sch 4	1	As soon as practicable and no longer than 7 days after obtaining monitoring results showing an exceedance of any criteria in Schedule 3 the Proponent must:	Not triggered. Criteria specified within Schedule 3 include air quality and noise. No exceedance with these criteria is considered to have occurred. Therefore no 'notification' events have occurred. Not Triggered		

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299			(a) notify the affected land owners and tenants in writing of the exceedance, and provide quarterly monitoring results, to each affected party until the project is again complying with the relevant criteria; and			
300			(b) Publish on its website the full details of the exceedance.			
301			Any exceedance of any criteria in Schedule 3 is an incident that must be notified to the Department in accordance with conditions 9 to 12 of Schedule 5.			
302			For any exceedance of the air quality criteria or air quality measures in Schedule 3, the Proponent must also provide to any affected land owners and tenants a copy of the fact sheet entitled "Mine Dust and You" (NSW Minerals Council, 2011).			
303			INDEPENDENT REVIEW			
304	Sch 4	2	If a landowner considers the project to be exceeding the relevant criteria in Schedule 3, they may ask the Secretary in writing for an independent review of the impacts of the project on their land.	Not yet triggered. Request for independent review has not been received to date.		Not Triggered
305			If the Secretary is not satisfied that an independent review is warranted, the Secretary will notify the landowner in writing of that decision, and the reasons for that decision, within 21 days of the request for a review.			
306			If the Secretary is satisfied that an independent review is warranted, within 3 months, or as otherwise agreed by the			

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	Part No.					
			Secretary and the landowner, the Proponent must:			
307			(a) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Secretary, to:			
308			• consult with the landowner to determine their concerns;			
309			• conduct monitoring to determine whether the project is complying with the relevant criteria in Schedule 3; and			
310			• if the project is not complying with that criteria, identify measures that could be implemented to ensure compliance with the relevant criteria;			
311			(b) give the Secretary and landowner a copy of the independent review; and			
312			(c) comply with any written requests made by the Secretary to implement any findings of the review			
313			SCHEDULE 5 ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING			
314			ENVIRONMENTAL MANAGEMENT			
315			Environmental Management Strategy			
316	Sch 5	1	1. The Proponent must prepare an Environmental Management Strategy for the project to the satisfaction of the Secretary. The strategy must:	The updated EMS was submitted to the Department on 22 April 2019 which within 3 months of the determination date 22 January 2019.		Compliant
317			(a) be submitted to the Secretary for approval within three months of the determination of Modification 2;	Section 1.2 of the EMS.		Compliant
318			(b) provide the strategic framework for environmental management of the project;	Section 3.0 of the EMS.		Compliant

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	Part No.					
319			(c) identify the statutory approvals that apply to the project;	Section 4.0 of the EMS.		Compliant
320			(d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project;	Section 6.1 of the EMS.		Compliant
321			(e) describe the procedures to be implemented to:	Section 6.1 of the EMS.		Compliant
322			<ul style="list-style-type: none"> keep the local community and relevant agencies informed about the operation and environmental performance of the project; 	Section 6.1 of the EMS.		Compliant
323			<ul style="list-style-type: none"> receive, record, handle and respond to complaints; 	Section 6.2 of the EMS.		Compliant
324			<ul style="list-style-type: none"> resolve any disputes that may arise during the course of the project; 	Section 6.3 of the EMS.		Compliant
325			<ul style="list-style-type: none"> respond to any non-compliance; and 	Section 7 of the EMS.		Compliant
326			<ul style="list-style-type: none"> respond to emergencies; and 	Section 9 of the EMS.		Compliant
327			(f) include:	Section 5 of the EMS.		Compliant
328		<ul style="list-style-type: none"> reference to any strategies, plans and programs approved under the conditions of this approval; and 				
329		<ul style="list-style-type: none"> a clear plan depicting all the monitoring to be carried out under the conditions of this approval 				
330			The Proponent must implement the Environmental Management Strategy as approved from time to time by the Secretary.	<p>Implementation of the EMS was evident based on the documents and records that have been provided to the auditor i.e. update of management plans, availability of records, incident reports and annual reviews.</p> <p>Approval of the updated EMS remains pending.</p>		Compliant

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	Part No.					
331			Management Plan Requirements			
332	Sch 5	2	The Proponent must ensure that the management plans required under this approval are prepared in accordance with any relevant guidelines, and include:	Refer to above NMP, AQMP, SWMP, RMP, TMP and ACHMP. Each plans included addressed this requirements respectively.		Compliant
333			(a) a summary of relevant background or baseline data;			
334			(b) a description of:			
335			• the relevant statutory requirements (including any relevant approval, licence or lease conditions);			
336			• any relevant limits or performance measures/criteria; and			
337			• the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the project or any management measures;			
338			(c) a description of the measures to be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria			
339			(d) a program to monitor and report on the:			
340			• impacts and environmental performance of the project; and			
341			• effectiveness of any management measures (see (c) above);			
342			(e) a contingency plan to manage any unpredicted impacts and their consequences and to ensure that ongoing impacts reduce to levels below relevant impact assessment criteria as quickly as possible;			

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	Part No.					
343			(f) a program to investigate and implement ways to improve the environmental performance of the project over time;			
344			(g) a protocol for managing and reporting any:			
345			• incidents;			
346			• complaints; and			
347			• non-compliances with statutory requirements;			
348			(h) a protocol for periodic review of the plan; and			
349			(i) A document control table that includes version numbers, dates when the management plan was prepared and reviewed, names and positions of the person/s who prepared and reviewed the management plan, a description of any revisions made and the date of the Secretary's approval.			
350			Application of Existing Management Plans			
351	Sch 5	3	The Proponent must continue to apply existing approved management plans, strategies or monitoring programs that have most recently been approved under this approval, until the approval of a similar plan, strategy or program following a modification to this approval.	<p>Deposited dust monitoring has not been undertaken in accordance with the existing AQMP which did not explicitly confirm that monitoring was not required during non-operational periods. This has been amended in the updated AQMP, however, its approval remains pending.</p> <p>Water monitoring was also not undertaken at all sites at the frequency required by the existing SWMP. This was reported as an incident on 4 and 11 March 2019.</p> <p>Refer to Sections 4.3, 5 and 11.1 of this report for further information.</p>	<p>Non-compliant to the implementation of the monitoring programs for dust and water quality as indicated in the approved AQMP and SWMP was raised.</p> <p>The requirements of the approved AQMP and SWMP still prevails until the approval of the modified plans under the Modification 2 has been acquired.</p> <p>It is recommended to seek approval from the DPIE to cease monitoring during non-operational period.</p>	Non-compliant NC-03

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	Part No.					
352			Revision of Strategies, Plans & Programs			
353	Sch 5	4	4. Within 3 months of:			
354			(a) the submission of an incident report under condition 10 of this Schedule;	An incident report was submitted in March 2019. It was acknowledged as part of the submission that the management plans were currently under review. These plans were subsequently submitted for review and approval within agreed timeframes. No further changes are proposed as a result of the Annual Review and it is noted that approval of all updated management plans remains pending.		Compliant
355			(b) the submission of an Annual Review under condition 13 of this Schedule;	Not triggered. Update of the plans was not triggered by the Annual Reviews.		Not Triggered
356			(c) the submission of an Independent Environmental Audit under condition 14 of this Schedule; or	Not yet triggered this is the first independent audit conducted for the project.		Not Triggered
357			(d) The approval of any modification to the conditions of this approval.	Submission of revised strategies and management plans was conducted within 3 months of the determination of the Modification 2. An extension of submission date for NMP, SWMP and RMP was also submitted to DPIE.		Compliant
358			The Proponent must review the suitability of all strategies, plans and programs required under this approval. Where this review leads to revisions in any such document, then within 6 weeks of the review the revised document must be submitted for the approval of the Secretary.	All revised management plans have been submitted to DPIE and are awaiting for approval. Extension for submission was also sought on some plans i.e. SWMP, RMP, EMS		Compliant
359			Staging, Combining and Updating Strategies, Plans or Programs			

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	Part No.					
360	Sch 5	5	5. With the approval of the Secretary, the Proponent may:			
361			(a) prepare and submit any strategy, plan or program required by this approval on a staged basis (if a clear description is provided as to the specific stage and scope of the project to which the strategy, plan or program applies, the relationship of the stage to any future stages and the trigger for updating the strategy, plan or program);	<p>The Traffic Management Plan (TMP) was originally approved to be prepared on stage basis.</p> <p>Approval letters from DPIE dated 9/9/2016 for Gudgen Lakes Sand Quarry (05_01038) Progressive Submission of Traffic Safety Plan and Stage 2 dated 25/5/2017.</p>		Compliant
362			(b) combine any strategy, plan or program required by this approval (if a clear relationship is demonstrated between the strategies, plans or programs that are proposed to be combined); and			
363			(c) update any strategy, plan or program required by this approval (to ensure the strategies, plans and programs required under this approval are updated on a regular basis and incorporate additional measures or amendments to improve the environmental performance of the project).			
364			Evidence of Consultation			
365	Sch 5	6	6. Where the conditions of this approval require consultation with an identified party, the Proponent must:	<p>Consultation were conducted for each management plans. Records of consultation were provided as evidence for each management plans i.e.:</p> <ul style="list-style-type: none"> - Updated AQMP and NMP were sent to EPA on 18 April 2019 and EPA response with no comment. - Updated SWMP was sent to Council for consultation on 24 June 2019 and Council 		Compliant
366			(a) consult with the relevant party prior to submitting the subject document; and			
367			(b) provide details of the consultation undertaken, including:			
368			• the outcome of that consultation, matters resolved and unresolved; and			

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
369			<ul style="list-style-type: none"> details of any disagreement remaining between the party consulted and the Proponent and how the Proponent has addressed any unresolved matters. 	<p>responded on 28 June 2019 agreeing with the changes made on the plan.</p> <p>- Updated RMP was sent to Council on 1 July 2019 and Council responded on 24 September with their comments that needed to be addressed.</p>		
370	Sch 5	7	However, if the Secretary agrees, a strategy, plan or program may be prepared without consultation being undertaken with an identified party required under a condition of this approval.	Noted. Not triggered. No direction from the Secretary.		Not Triggered
371			COMMUNITY CONSULTATIVE COMMITTEE			
372	Sch 5	8	The Proponent must operate a Community Consultative Committee (CCC) for the project to the satisfaction of the Secretary. The CCC must be operated in general accordance with the Department's Community Consultative Committee Guidelines: State Significant Projects (2016), for the duration of quarrying operations and for at least 6 months following the completion of quarrying operations.	<p>The CCC was established in July 2017 with the approval of the Independent Chairperson by DPE 8 July 2017. Community and Council members of the CCC were approved by DPE 14 November 2016. The inaugural CCC meeting was held 07/04/17. The CCC continued to operate during the reporting period, meeting on 28 September 2018.</p> <p>Evidence provided: http://www.galeskingscliff.com.au/CommunityConsultativeCommittee.htm</p>		Compliant
373			REPORTING			
374			Incident Notification, Reporting and Response			
375	Sch 5	9	9. The Department must be notified in writing to compliance@planning.nsw.gov.au immediately after the Proponent becomes aware of an incident.	An incident report was submitted in March 2019. It was acknowledged as part of the submission that the management plans were currently under review. These plans were subsequently submitted for review		Compliant

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				and approval within agreed timeframes. No further changes are proposed as a result of this Annual Review and it is noted that approval of all updated management plans remains pending.		
376	Sch 5	10	10. Within 7 days of the date of the incident, the Proponent 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 reoccurrence and must identify any non-compliance with this approval.	DPIE was notified on 4 March 2019 on the non-compliances on SWMP and incident report was submitted to DPIE on 11 March 2019.		Compliant
377	Sch 5	11	Any written requirements of the Secretary or relevant public authority (as determined by the Secretary) which may be given at any point in time, to address the cause or impact of an incident must be complied with and within any timeframe specified by the Secretary or relevant public authority.	No additional requirements have been required to date as a result of the reported incident.		Not Triggered
378	Sch 5	12	12. If statutory notification is provided to EPA as required under the POEO Act in relation to the project, such notification must also be provided to the Secretary within 24 hours after the notification was provided to EPA.	No statutory notification was required to be provided to EPA as the incident did not constitute material harm to the environment.		Not Triggered
379			Annual Review			
380	Sch 5	13	By the end of September each year, or other timing as may be agreed by the Secretary, the Proponent must submit a report to the Department reviewing the environmental performance of the project,	617: Cudgen Lakes - Annual Review 2015/2016 submitted on 13/09/2016 617: Cudgen Lakes - 2016/2017 Annual Review submitted 21/08/2017		Compliant

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			to the satisfaction of the Secretary. This review must:	<p>617: Cudgen Lakes - 2017/2018 Annual Review submitted on 31/08/2018</p> <p>617: Cudgen Lakes - 2018/2019 Annual Review submitted 30/09/2019</p> <p>The Annual Reviews were submitted to DPE, Council, Water NSW, EPA and the CCC before 30 September of each reporting year.</p>		
381			(a) describe the project (including any rehabilitation) that was carried out in the previous financial year, and the project that is proposed to be carried out over the current financial year;	Sections 4 and 8 describe the activities, including rehabilitation, undertaken during the reporting period.		Compliant
382			(b) include a comprehensive review of the monitoring results and complaints records of the project over the previous financial year, which includes a comparison of these results against the:	Section 6 and 7 provide a review of the results against the relevant limits, requirements and previous / baseline monitoring results.		Compliant
383		<ul style="list-style-type: none"> relevant statutory requirements, limits or performance measures/criteria; 				
384		<ul style="list-style-type: none"> requirements of any plan or program required under this approval; 				
385		<ul style="list-style-type: none"> monitoring results of years prior; and 				
386		<ul style="list-style-type: none"> relevant predictions in the documents listed in condition 3 of Schedule 2; 				
387			(c) detail any non-compliance over the past financial year, and describe what actions were (or are being) taken to rectify the non-compliance and avoid reoccurrence;	Sections 1 and 11 and Appendix 1 provide details of non-compliances.		Compliant
388			(d) evaluate and report on:			Compliant

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389			<ul style="list-style-type: none"> the effectiveness of the noise and air quality management systems; and 	Section 6 and Table 6.1 provide an evaluation.		
390		<ul style="list-style-type: none"> compliance with the performance measures, criteria and operating conditions in this approval; 				
391			(e) identify any trends in the monitoring data over the life of the project;	Section 6 provides a summary of any discernible trends		Compliant
392			(f) identify any discrepancies between the predicted and actual impacts of the project, and analyse the potential cause of any significant discrepancies; and	Section 6 would provide discuss any discrepancies. However, none have been identified to date.		Compliant
393			(G) Describe what measures will be implemented over the current financial year to improve the environmental performance of the project.	Section 6 outlines planned / further improvements to environmental management.		Compliant
394			The Proponent must ensure that copies of the Annual Review are submitted to Council and are available to the CCC and any interested person upon request.	Copies of the Annual Review have been provided to Council, CCC and other relevant agencies and were be made publicly available on the Gales website. http://www.galeskingscliff.com.au		Compliant
395			INDEPENDENT ENVIRONMENTAL AUDIT			
396		14	<p>Within two years of the commencement of quarrying operations and every 3 years thereafter, unless the Secretary directs otherwise, the Proponent must commission and pay the full cost of an Independent Environmental Audit of the project. The primary purposes of the audit are to ascertain information in relation to the environmental performance of the project and the adequacy of strategies, plans and programs. Audits must:</p>	<p>Site establishment activities commenced 26 June 2017 with extraction operations commencing 30 October 2017. It is therefore proposed that the first Independent Environmental Audit be undertaken during October 2019 for the period ending 30 June 2019 (corresponding to the Annual Review reporting periods 1 July 2017 to 30 June 2019).</p> <p>AQUAS was commissioned in October 2019 to conduct this independent environmental</p>		Compliant

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				audit with letter of approval of auditors by DPIE on 23 October 2019. This audit commenced on 18 November 2019 with a site inspection due to the availability of the auditor. Review of records was conducted in January 2020.		
397			(a) be led and conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;	Evidence: DPIE Letter of Agreement of Independent Auditors Cudgen Lakes (05_0103) nominating AQUAS - Annabelle Tungol and James Hart as approved qualified auditors.		Compliant
398			(b) include consultation with the relevant agencies and the CCC;	Consultation with DPIE, EPA, NRAR, Council and Water NSW were conducted. Consultation records were included as attachment E of this audit report.		Compliant
399			(c) assess the environmental performance of the project and whether it is complying with the relevant requirements in this approval and any relevant EPL or water licences for the project (including any assessment, strategy, plan or program required under these approvals);	Assessment of environmental performance was described in Section 5 of this Audit Report.		Compliant
400			(d) review the adequacy of strategies, plans or programs required under the abovementioned approvals;	Section 5.6 Suitability of Plans and the EMS of this Audit Report.		Compliant
401			(e) recommend appropriate measures or actions to improve the environmental performance of the project, and/or any assessment, strategy, plan or program required under the abovementioned approvals; and	Section 6 of this audit report details the recommendations.		Compliant
402			(f) Be conducted and reported to the satisfaction of the Secretary.	Audit was conducted as per DPAR 2018 and Conditions of Approval requirements.		Compliant

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	Part No.					
403	Sch 5	15	15. Within 12 weeks of commencing each audit, unless otherwise agreed by the Secretary, the Proponent must submit a copy of the audit report to the Secretary and any other agency that requests it, together with its response to any recommendations contained in the audit report, and a timetable for the implementation of the recommendations. The Proponent must implement these recommendations, to the satisfaction of the Secretary.	<p>Site inspection was conducted on 18 November 2019 and review of records commenced in January 2020.</p> <p>An extension for the submission of the audit report was granted by DPIE on 7 February 2020.</p> <p>Audit Report including response to the auditor's findings and recommendation will be submitted to DPIE as per the approval of the extension of submission of the audit report.</p>		Not Triggered
404			ACCESS TO INFORMATION			
405	Sch 5	16	16. Within 1 month of the determination of Modification 2, and for the life of the project, the Proponent must:			
406			(a) make the following information and documents (as they are obtained or approved) publicly available on its website:	Project website was set up for public access to the information and documents. http://www.galeskingscliff.com.au		Compliant
407			• the documents listed in conditions 2 and 3 of Schedule 2;	http://www.rwcorkery.com.au/projects/projectprofile.aspx?cid=3&iid=6		Compliant
408			• current statutory approvals for the project;	http://www.rwcorkery.com.au/projects/projectprofile.aspx?cid=3&iid=6		Compliant
409			• all approved strategies, plans and programs required under the conditions of this approval;	http://www.galeskingscliff.com.au/programs_and_plans.htm		Compliant
410			• regular reporting on the environmental performance of the project in accordance with the reporting arrangements in any plans or programs approved under the conditions of this approval;	http://www.galeskingscliff.com.au/documents_and_reports.htm		Compliant

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411			<ul style="list-style-type: none"> a comprehensive summary of the monitoring results of the project, reported in accordance with the specifications in any conditions of this approval, or any approved plans and programs; 	http://www.galeskingscliff.com.au/documents_and_reports.htm		Compliant
412			<ul style="list-style-type: none"> a summary of the current stage and progress of the project; 	http://www.galeskingscliff.com.au/current_news.htm		Compliant
413			<ul style="list-style-type: none"> contact details to enquire about the project or to make a complaint 	http://www.galeskingscliff.com.au/contact.htm		Compliant
414			<ul style="list-style-type: none"> a complaints register, updated monthly 	http://www.galeskingscliff.com.au/pdf/617_ComplaintsRegister.pdf		Compliant
415			<ul style="list-style-type: none"> the Annual Reviews of the project; 	http://www.galeskingscliff.com.au/documents_and_reports.htm		Compliant
416			<ul style="list-style-type: none"> any Independent Environmental Audit as described in condition 14 above, and the Proponent's response to the recommendations in any audit; and 	This is the first Independent Environmental audit conducted.		Compliant
417			<ul style="list-style-type: none"> any other matter required by the Secretary; and 	http://www.galeskingscliff.com.au		Compliant
418			(b) Keep this information up-to-date, to the satisfaction of the Secretary.	Information on the website are up to date.		Compliant
419			APPENDIX 3 NOISE COMPLIANCE ASSESSMENT			
420			Applicable Meteorological Conditions			
421	App 3	1	The noise criteria in Table 2 are to apply under all meteorological conditions except the following:	No operations since this condition was included as part of Modification 2		Not Triggered
422		(a) wind speeds greater than 3 m/s at 10 m above ground level; or				
423		(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				

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424			(c) temperature inversion conditions greater than 3°C/100 m.			
425			Compliance Monitoring			
426	App 3	2	2. Within three months of the determination of Modification 2, unless otherwise agreed by the Secretary, the Applicant must undertake a noise compliance assessment. 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 Department and EPA within 1 month of the assessment.	A request was lodged with the Department on 16 April 2019 for the compliance assessment to be completed within 3 months of the recommencement of extraction operations. Approval was received from the Department on 18 April 2019.		Not Triggered
427	App 3	3	3. 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:	Not triggered as per above.		Not Triggered
428		(a) monitoring locations for the collection of representative noise data;				
429		(b) equipment used to collect noise data, and conformity with Australian Standards relevant to such equipment;				
430		(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				
431		(d) the use of an appropriate modifying factor for low frequency noise to be applied during compliance testing at any individual				

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			residence if low frequency noise is present (in accordance with the NSW Noise Policy for Industry (2017, or its latest version) Fact Sheet C) and before comparison with the specified noise levels in the approval.			
432	SOC		APPENDIX 2 STATEMENT OF COMMITMENTS			
433	SOC	1	1. Sand Extraction and Processing			
434	SOC	1.1	1.1 Ensure terminal extraction batters are formed no steeper than 1:3 (V: H) (excludes stabilised backfilled final landform batters).	No terminal batters have yet been formed.		Not Triggered
435			2. Waste Management			
436	SOC	2.1	Dispose all recyclables and general waste in appropriate waste receptacles.	Any waste generated during the reporting period was removed by the consultant / contractor.		Compliant
437	SOC	2.2	Use non-saleable oversize materials for final landform creation / return to the extraction area.	Not yet triggered as no final landform has been created as extraction has not been resumed yet.		Not Triggered
438	SOC	2.3	Intern any oversize materials suspected of being acid generating so they settle beneath at least 8m of water.	Implementation noted based on the Annual Reviews 2017-2018 records for testing and management of potential acid sulphate soil.		Compliant
439			3. Rehabilitation			
440	SOC	3.1	Progressively backfill selected finalised sections of the southern extraction pond to create wetland areas.	Not yet triggered as processing has not yet commenced.		Not Triggered
441	SOC	3.2	Stabilise all earthworks and disturbed areas no longer required for Quarry-related activities in order to minimise erosion and sedimentation, dust lift-off and to reduce visual intrusion.	Pasture has been established on the surface of the bund walls, topsoil stockpiles and sections of the initial processing area not yet required.		Compliant
442	SOC	3.3	Cross-rip all unsealed roads and remove all buildings and structures not required for the final land use.	Not yet triggered.		Not Triggered

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443			4. Flooding and Drainage			
444	SOC	4.1	Construct and maintain shallow spillways (approximate elevation 1.3m AHD) within the bunds surrounding the extraction pond at the eastern and western extent of the bunding.	Spillways have been constructed at the eastern and western extent of the bunding as seen during the site inspection		Compliant
445	SOC	4.2	Remove sections of bunding once floodwaters have peaked to allow floodwaters trapped behind the bunds to drain freely to the western drainage channel as the flood recedes.	Not yet triggered as no reported flooding occurred at the site during this audit period.		Not Triggered
446	SOC	4.3	Maintain drainage paths outside of the bunded and filled areas to allow floodwaters to drain freely.	No obstructions or works that would alter drainage paths outside of the approved extraction areas occurred during the audit period.		Not Triggered
447	SOC	4.4	Prepare a flood evacuation plan to ensure that personnel respond appropriately to a warning of an imminent Tweed River overbank flood.	The Quarry operator has prepared a flood evacuation plan. Adverse impacts from the Project on surrounding properties or land users in the event of a Tweed River flood or local catchment flood have been determined to be negligible as per the project environmental assessment.		Compliant
448	SOC	4.5	Realign the western drainage channel within the Altona Road reserve to provide an equivalent or more efficient drain.	Altona Road has not yet been realigned.		Not Triggered
449			5. Groundwater			
450	SOC	5.1	Adjust sand extraction rates to ensure that groundwater drawdown levels remain within the predicted limits.	Not yet triggered as processing has not yet commenced.		Not Triggered
451	SOC	5.2	Install a height gauge within the extraction pond so that water levels can be monitored daily to m AHD.	Not yet triggered as processing has not yet commenced. A survey gauge was previously installed.		Not Triggered

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452	SOC	5.3	Continue groundwater monitoring following the cessation of extraction and placement of VENM.	Extraction operations and VENM placement has not permanently ceased. Notwithstanding, non-operational groundwater monitoring has continued.		Not Triggered
453	SOC	5.4	Compile an annual summary of all monitoring results and forward to Water NSW as part of the Annual Review for the site.	A detailed monitoring summary has been included as part of this Annual Review which has been provided to Water NSW. CL_10-2019_61738_Annual Review 2018-2019		Compliant
454	SOC	5.5	Consult with each likely affected landowner and investigate complaints of poor water quality in neighbouring dams/bores.	Potentially affected landholders have previously been consulted. No issues or complaints arose during the audit period.		Compliant
455	SOC	5.6	Negotiate an agreement with each affected landholder in the event water quality or quantity is adversely affected to either:	No landholders have been adversely affected to date.		Not Triggered
456			· deepen the existing bore or install a replacement bore;			
457			· pay a cash compensation equal to the assessed cost of deepening the bore;			
458			· provide an alternative water supply, such as from the extraction ponds or groundwater bore registered to the Proponent; or			
459			· provide an appropriately sized rainwater storage tank to enhance property water storage.			
460	SOC	5.7	Implement the provision of an alternative water supply or other agreed compensation.	The R. Julius water supplies have not been adversely effected.		Not Triggered
461	SOC	5.8	Provide copies of any negotiated agreements to the Department of Planning and Department of Water and Energy for their records.	The signed agreement with R.W. Julius has been provided to DPE and Water NSW on 28/08/2017.		Compliant

ID No.	CoA Part No.	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
462			6. Surface Water			
463	SOC	6.1	Reduce sand extraction and temporarily cease VENM placement if a significant deterioration in extraction pond water quality occurs, until the source is identified and appropriate amelioration measures are implemented.	Not yet triggered as processing has not yet commenced.		Not Triggered
464	SOC	6.2	Regularly monitor surface water to provide an accurate assessment of the adequacy of practices implemented as part of the operation.	Monitoring data reviewed upon receipt and critically analysed annually. Evidence sighted Annual Reviews.		Compliant
465			7. Acid Sulphate Soils and Sediments, Soil Contamination and Agricultural Suitability			
466	SOC	7.1	Convey return water (from both the wash plant and fill sites) in a manner which ensures fines / silts remain in suspension and do not settle in the return pipelines. If a pipeline is not used, undertake sluicing in a manner that ensures turbulent flow and sufficient velocity to prevent the deposition of fines material within the drainage line.	Compliant during the operation period 2017-2018 as per the Annual Review 2017-2018.		Compliant
467	SOC	7.2	Do not extract residual clay material from the base of the sand resource.	Extraction operations to date have remained well above the expected residual marine clays. Not yet triggered as processing has not yet commenced.		Not Triggered
468	SOC	7.3	Ensure a suitably qualified or trained person assesses imported material (VENM) in accordance with the ASSMAC guidelines and confirms its classification as VENM prior to acceptance at the Quarry Site.	Importation of VENM has not yet commenced.		Not Triggered
469	SOC	7.4	Place VENM (b) received at the premises which is intended to be dredged or interned	Importation of VENM has not yet commenced.		Not Triggered

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
			at the base of the extraction pond within the nominated period.			
470	SOC	7.5	Retain records of monitoring together with the application rates of the alkaline amendment used as neutralising agents. Provide these records to statutory authorities upon request.	These monitoring records have been retained and reported in the 2017/2018 Annual Review.		Compliant
471	SOC	7.6	Obtain documentation for each truck load of VENM (b) received at the Quarry Site that demonstrates that the excavation of VENM (b) and its transport and handling has been conducted in accordance with the NSW ASS Manual to prevent the generation of acid.	Importation of VENM has not yet commenced.		Not Triggered
472	SOC	7.7	Retain documentation for each truck load of VENM(b) received at the site which indicates:	Importation of VENM has not yet commenced.		Not Triggered
473			· the details of the originating site (name, address, owner and developer, contact details);			
474			· the details of the transportee (name, address, contact details, vehicle registration);			
475			· date and time of the extraction of the VENM(b);			
476			· pH of the VENM(b) at the time of its extraction, and at the time immediately prior to its placement underwater; and			
477			· The name of the person (certified practicing soil scientist) who assessed the material and classified it as VENM (b).			
478	SOC	7.8	Ensure verification of neutralising agent application volumes and verification results are available.	Importation of VENM has not yet commenced.		Not Triggered

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
479	SOC	7.9	Treat any acid sulphate material excavated on site at determined rates prior to use in earthen bunds or for rehabilitation.	Processing operations have not yet commenced.		Not Triggered
480	SOC	7.1	Collect and analyse samples of acid sulphate soil material that is to be recovered through excavation (i.e. not dredged) and is not to be washed using a hydro cyclone (or similar).	Implemented during the operating period 2017-2018 as per Annual Review 2017-2018 records		Compliant
481	SOC	7.11	Incorporate an alkaline amendment into the excavated acid sulphate material at the calculated rate (based on the results of sampling).	Not yet triggered as processing has not yet commenced.		Not Triggered
482	SOC	7.12	Complete the validation sampling of treated material in accordance with the approved Acid Sulphate Soil Management Plan.	Implemented during the operating period 2017-2018 as per Annual Review 2017-2018 records		Compliant
483	SOC	7.13	Construct bunding around the extraction and processing areas to control drainage.	Bunding has been constructed around the dredge pond.		Compliant
484	SOC	7.14	Ensure all surface water and runoff from the extraction and processing areas drains or is pumped into the extraction ponds.	All water within the active extraction area is internally draining. The processing area will be drained back into the extraction area.		Compliant
485	SOC	7.15	Audit the effectiveness of the operational safeguards and monitoring by an external environmental consultant.	HMC previously completed an audit of the acid sulphate soil monitoring and management. No further audit was required during the reporting period. HMC Audit Report 31/08/2018.		Compliant
486	SOC	7.16	Test the pH of the water into which the VENM (b) is placed to ensure it is not less than 6.5 at any time.	Importation of VENM has not yet commenced.		Not Triggered
487	SOC	7.17 & 7.18	Undertake monitoring in accordance with the approved Acid Sulphate Soil Management Plan in relation to VENM (b) receipt and processing / internment.	Importation of VENM has not yet commenced.		Not Triggered

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
488	SOC	7.19	Test the pH of the VENM (b) immediately prior to under-water disposal / backfilling to ensure the pH is not less than 5.5.	Importation of VENM has not yet commenced.		Not Triggered
489	SOC	7.2	Undertake internal environmental audits of VENM (b) receipt and treatment during the initial stages of the operation to ensure appropriate treatment is being conducted and records are up to date.	Importation of VENM has not yet commenced.		Not Triggered
490	SOC	7.21	Complete the following in the event that validation or monitoring criteria are exceeded for any extracted materials.	Validation testing results demonstrate that the chromium reducible sulfur and TAA were well below the action criteria.		Not Triggered
491			· Test the acid neutralising capacity of the material.			
492			· Incorporate alkaline amendments at the appropriate rate if the measured acid neutralising capacity is insufficient to neutralise the existing and potential acidity.			
493			· Undertake validation testing following treatment and apply additional alkaline amendments as required. Repeat process until compliance with action criteria is met.			
494	SOC	7.22	Terminate VENM (b) receipt at the premises if the pH of the water falls below accepted levels, until approval to continue is received in writing from the DECC (EPA).	Importation of VENM has not yet commenced.		Not Triggered
495	SOC	7.23	Complete the following in the event monitoring criteria are exceeded for imported VENM (b).	Importation of VENM has not yet commenced.		Not Triggered
496			· Test the acid neutralising capacity of the material.			
497			· Incorporate alkaline amendments at the appropriate rate if the measured acid neutralising capacity is insufficient to neutralise the existing and potential acidity.			

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
498			<ul style="list-style-type: none"> Undertake validation testing following treatment and apply additional alkaline amendments as required. Repeat process until compliance with action criteria is met. 			
499	SOC	7.24	Undertake the following as soon as possible after becoming aware that any waste/material accepted at the premises is not VENM.	Importation of VENM has not yet commenced.		Not Triggered
500		<ul style="list-style-type: none"> Notify the EPA in writing. 				
501		<ul style="list-style-type: none"> Remove the material/waste from the premises and dispose of it at a facility licensed to take such waste. 				
502	SOC	7.25	Implement a procedure to audit all further incoming loads from that waste origin site prior to accepting any further waste, until such time as the results of such audits demonstrate that the waste origin site's screening and assessment procedures have been corrected to prevent further misclassification of waste.	Importation of VENM has not yet commenced.		Not Triggered
503	SOC	7.26	Introduce hydrated lime at the appropriate rate if the extraction pond water quality fails accepted levels and ensure target pH level of 6.5 is not "overshot" leading to severely alkaline conditions (pH>9.0).	Monitoring did not record pH levels below the trigger action levels and therefore no treatment was required.		Not Triggered
504			8. Flora and Fauna			
505	SOC	8.1	Progressively rehabilitate completed works within the Quarry Site to maximise cover of native vegetation in appropriate areas and minimise opportunities for erosion and weed invasion.	No final areas have become available for rehabilitation. Temporary rehabilitation has been completed on the bund walls and topsoil stockpile using pasture species thereby minimising potential erosion and weed invasion.		Compliant

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
506	SOC	8.2	Define and clearly mark vegetation for retention prior to the commencement of site establishment to ensure that native vegetation clearing is confined only to those areas required.	Commitment relates to the pipeline corridors, principally the section of the eastern corridor east of Tweed Coast Road – the pipelines have not yet been installed in that location.		Not Triggered
507	SOC	8.3	Control noxious weeds on the Quarry Site.	Weed control is undertaken as part of the current cattle agistment.		Compliant
508	SOC	8.4	Place pipelines within pipeline corridors so as to avoid the need to clear trees or shrubs, wherever possible.	The pipelines installed to the Cudgen Heights fill site minimised disturbance to vegetation and did not disturb any native vegetation.		Compliant
509	SOC	8.5	Utilise local native plant species recommended by Idyll Spaces (2008) for rehabilitation and landscaping within and adjacent the final lake (Note: vegetation set back from the final lake would reflect the specific land use – e.g. sporting fields, gardens, etc.).	No final areas have become available for rehabilitation.		Not Triggered
510	SOC	8.6	Undertake replacement planting of the same tree species within the same area in the unlikely event that a small number of trees are required to be removed for the laying of the pipelines.	No native tree species were disturbed as a result of the pipeline to the Cudgen Heights fill site.		Compliant
511			Aquatic Ecology			
512	SOC	9.1	During the realignment of the western drainage channel as part of the realignment of Altona Road.	Altona Road has not yet been realigned.		Not Triggered
513			· maintain the original connection to other upstream and downstream drainage channels;			
514			· avoid stranding native fish and, where possible, relocate them to similar habitat;			

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
515			· ensure fish free passage through the channel is made available where permanent crossings are to be constructed (e.g. access road crossings); and			
516			· consult with DPI – Fisheries officers during the realignment process.			
517	SOC	9.2	Create wetlands along finalised sections of the extraction pond in accordance with the approved Landscape Management Plan.	No final batters have yet been.		Not Triggered
518	SOC	9.3	Undertake frequent and regular monitoring of temperature, dissolved oxygen, nutrients, colour and concentrations of blue-green algae.	Monitoring was undertaken but not at the required frequencies specified in the existing SWMP.	Water monitoring was not undertaken at all sites at the frequency required by the existing SWMP. This was reported as an incident on 4 and 11 March 2019.	Non-Compliant NC-04
519	SOC	9.4	Obtain samples and readings from the dredge pond in accordance with the approved Blue Green Algae Management Plan.	The approved Blue-Green Algal Management Plan requires monitoring at a central location and two edge locations. This was undertaken during the reporting period.		Compliant
520			10. Traffic and Transport			
521	SOC	10.1	No vehicles permitted to turn right from Crescent Street to Tweed Coast Road. (Note: Light vehicles travelling south from the Quarry Site would be directed to travel on Crescent Street/Cudgen Road.	Transport operations have not yet commenced.		Not Triggered
522	SOC	10.2	No heavy vehicles to turn right from Altona Road to Crescent Street.	Transport operations have not yet commenced.		Not Triggered
523	SOC	10.3	Weigh all product trucks using the on-site weighbridge or other suitable weigh system and ensure all RMS weight restrictions are adhered to.	Transport operations have not yet commenced.		Not Triggered
524	SOC	10.4	Inform all truck drivers and staff of road rules, speed restrictions and considerate driving practices.	Transport operations have not yet commenced.		Not Triggered

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
525	SOC	10.5	Ensure all drivers are aware of all relevant operational hours.	Transport operations have not yet commenced.		Not Triggered
526	SOC	10.6	Undertake mechanical road sweeping of Altona Road and site access roads.	No sweeping of Altona Road was required during the reporting period.		Not Triggered
527	SOC	10.7	Cover all product loads to reduce dust lift off.	Transport operations have not yet commenced.		Not Triggered
528	SOC	10.8	Realign Altona Road in accordance with DA 05/1450 (or other applicable development consent).	Operations will not reach a point that requires the realignment of Altona Road for some time.		Not Triggered
529	SOC	10.9	Implement appropriate management controls including the use of warning signs and manual traffic control during the laying of pipelines adjacent to Tweed Coast Road and during the under boring of the road crossings.	The pipelines have not yet been installed.		Not Triggered
530	SOC	10.1	Establish a telephone complaints line to enable any traffic-related incidents, unsafe operation or general concern to be reported. Investigate all complaints and act decisively on substantiated incidents.	A telephone complaints line is advertised on the Company website.		Compliant
531	SOC	10.1 1	Implement a truck driver's code of conduct required to be signed by all Company employed or contracted truck drivers. The code will outline each truck driver's responsibility and the process to be undertaken in the event of a complaint.	Product transport operations have not yet commenced.		Not Triggered
532			11. Noise			
533	SOC	11.1	Fit all mobile vehicles on the site with broadband type reversing beepers or alternative safety devices such as strobe lights and / or cameras.	Commitment was defined in Noise Management Plan. However, implementation cannot be verified during this audit as no operations was observed.		Not Triggered

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
534	SOC	11.2	Regularly service all equipment on site.	Commitment was defined in Noise Management Plan. However, implementation cannot be verified during this audit as no operations was observed.		Not Triggered
535	SOC	11.3	Maintain the internal road network to an acceptable standard to limit body noise from empty trucks.	The internal road to the dredge pond has been appropriately surfaced.		Compliant
536	SOC	11.4	Undertake a monitoring program to demonstrate that noise emissions from the Quarry Site are within the Quarry specific noise limits at the surrounding assessment locations.	Noise monitoring were conducted during operation period 2017-2018 with data included in the Annual Review 2017-2018.		Compliant
537	SOC	11.5	Regularly review the extent of noise monitoring throughout the life of the Project to ensure meaningful data is being collected.	Noise monitoring reviewed as part of the updated Noise Management Plan submitted 22 April 2019.		Compliant
538			12. Air Quality			
539	SOC	12.1	Install water sprays or other suitable controls to minimise dusts generated during screening and dry processing.	Processing operations have not yet commenced.		Not Triggered
540	SOC	12.2	Undertake progressive rehabilitation / stabilisation of available areas of disturbance (e.g. finalised sections or backfilled areas of the extraction ponds).	No final rehabilitation areas have become available. Notwithstanding, disturbed areas have been temporarily rehabilitated to pasture.		Not Triggered
541	SOC	12.3	Clean accumulated tracked road mud, dry dusts, sand or spillages on Altona Road using a street sweeper.	Transport operations have not yet commenced.		Not Triggered
542	SOC	12.4	Cover product trucks loads to prevent wind-borne losses and spillages.	Transport operations have not yet commenced.		Not Triggered
543	SOC	12.5	Undertake monitoring in accordance with the Air Quality Monitoring Program.	Deposited dust monitoring has not been undertaken in accordance with the existing AQMP which did not explicitly confirm that	Dust monitoring was not conducted as per the AQMP.	Non-Compliant NC-05

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
				monitoring was not required during non-operational periods. This has been amended in the updated AQMP, however, its approval remains pending.		
544	SOC	12.6	Annually review the dust monitoring program to ensure that the data being collected is meaningful.	The AQMP was revised and updated 22 April 2019.		Compliant
545	SOC	12.7	Ensure the screening and blending plant does not exceed a daily average processing rate greater than 100tph.	Processing operations have not yet commenced.		Not Triggered
546			13. Aboriginal Heritage			
547	SOC	13.1	Invite Aboriginal stakeholders to observe during the burying of the pipelines within the northern pipeline corridor.	The pipelines have not yet been installed within the northern pipeline corridor.		Not Triggered
548	SOC	13.2	Stop works at and adjacent to any Aboriginal sites or relics, if found.	No Aboriginal sites have been identified.		Not Triggered
549	SOC	13.3	Contact the regional archaeologist of the Coffs Harbour OEH and relevant Aboriginal Stakeholders if any Aboriginal sites or relics, if found.	No Aboriginal sites have been identified.		Not Triggered
550	SOC	13.5	Complete inductions and training in accordance with the approved Aboriginal Cultural Heritage Management Plan.	The Quarry Operator has previously been 'inducted' by the Tweed LALC.		Compliant
551	SOC	13.6	Undertake consultation with Aboriginal representatives in relation to the ongoing management of identified items of Aboriginal heritage.	No Aboriginal sites have been identified.		Not Triggered
552			14. Visibility			
553	SOC	14.1	Construct a 2m high bund on the eastern and southern perimeter of the processing area and plant with native shrub species.	These bunds have previously been established and planted with native shrub species.		Compliant

ID No.	CoA	CoA No	CoA Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	Part No.					
554	SOC	14.2	Progressively rehabilitate the Quarry Site such that non-vegetated areas would be minimised.	No final rehabilitation areas have become available. Notwithstanding, disturbed areas have been temporarily rehabilitated to pasture.		Not Triggered
555	SOC	14.3	Maintain the Quarry Site in a clean and tidy condition at all times.	The Quarry Site is maintained in a clean and tidy condition.		Compliant
556	SOC	14.4	Position and direct floodlights or other lighting to minimise light emissions, with lighting not required at any given time not used.	No floodlights or lighting plant have been utilised during the audit period.		Not Triggered

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ID No.	EPL	No	EPL Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor			
1. Administrative Controls									
A1 What the licence authorises and regulates									
1	EPL	A1.1	<p>This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.</p> <p>Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.</p>	<p>The first extraction campaign for the Cudgen Lakes Sand Quarry commenced on 30 October 2017 and concluded on 8 February 2018 with up to 352 195m³ of sand hydraulically transferred to the Cudgen Heights fill site.</p> <p>Evidence presented: CL_11-2019_2017-2018 Annual Production Report (Form S1) Submission</p>		Compliant			
							Scheduled Activity	Fee Based Activity	Scale
							Extractive Activities	Land-based extractive activity	> 100000 - 500000 T annual capacity to extract, process or store
2	EPL	A1.2	The licensee must not carry on any scheduled activities until the scheduled development works are completed, except as elsewhere provided in this licence.	Scheduled development works related to creation of the initial dredge pond. These works were completed in 2006.		Compliant			

ID No.	EPL	No	EPL Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	EPL	A2 Premises or plant to which this licence applies				
3	EPL	A2.1	The licence applies to the following premises: Premises Details CUDGEN LAKES ALTONA DRIVE CUDGEN NSW 2487 LOT 2 DP 216705, LOT 21 DP 1082482. ALSO INCLUDES ROAD EASEMENTS FOR CRESCENT STREET AND ALTONA ROAD.	Noted	-	Compliant
	EPL	A3 Other Activities				
4	EPL	A3.1	This licence applies to all other activities carried on at the premises, including: Ancillary Activity Crushing, grinding or separating Water-based extractive activity	No crushing, grinding or separating occurred during the audit period. Water based extraction activities were undertaken 2017/2018.		Compliant
	EPL	A4 Information supplied to the EPA				
5	EPL	A4.1	Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.	Activities during the reporting period were consistent with all relevant application information.		Compliant

ID No.	EPL	No	EPL Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
6	EPL		In this condition the reference to "the licence application" includes a reference to: a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.			
EPL 2 Discharges to Air and Water and Applications to Land						
EPL P1 Location of monitoring/discharge points and areas						
7	EPL	P1.1	The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.	Noted	-	Compliant
8	EPL	P1.2	The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.	Monitoring undertaken at this monitoring points as applicable. Points 4, 5 and 6 were added in the 20 July 2017 licence version. Therefore, there are only three years of records provided for compliance purposes. As no discharges have occurred, there is no monitoring records for Points 1 and 2 which are discharge points only. Evidence : http://www.galeskingscliff.com.au/pdf/617_Monitoring_SurfaceWater.pdf		Compliant

ID No.	EPL	No	EPL Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	EPL	3 Limit Conditions				
	EPL	L1 Pollution of waters				
9	EPL	L1.1	Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.	No pollution of waters is deemed to have occurred during the audit period. Evidence: http://www.galeskingscliff.com.au/pdf/617_Monitoring_SurfaceWater.pdf		Compliant
10	EPL	L1.2	Exceedance of a quality limit specified in this licence for the discharge of TSS, pH or Oil and Grease from Point 1, 2 or 3 or a volume limit for discharge from Point 1, 2 or 3 is permitted if the discharge from Point 1, 2 or 3 occurs solely as a result of rainfall at the premises exceeding a total of 82.5 millimetres over any consecutive five day period.	No wet weather discharge occurred during the audit period. Evidence: http://www.galeskingscliff.com.au/pdf/617_Monitoring_SurfaceWater.pdf		Not Triggered
11	EPL	L1.3	The licensee must take all practical measures to avoid or minimise TSS, pH etc. contained in wet weather discharges.	No wet weather discharge occurred during the audit period.		Not Triggered
	EPL	L2 Concentration Limits				
12	EPL	L2.1	For each monitoring/discharge point or utilisation area specified in the table below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.	No discharges occurred during the reporting period.		Not Triggered

ID No.	EPL	No	EPL Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
13	EPL	L2.2	Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.	No discharges occurred during the audit period.		Not Triggered
14	EPL	L2.3	To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table\.	Noted. No incident occurred that caused material harm or pollution to waters during audit period.	-	Not Triggered
15	EPL	L2.4	Water and/or Land Concentration Limits POINT 1,2	Noted. Surface water monitoring were within limits. Evidence: http://www.galeskingscliff.com.au/pdf/617_Monitoring_SurfaceWater.pdf	-	-Compliant
	EPL	L3 Waste				
16	EPL	L3.1	The licensee must not cause, permit or allow any waste generated outside the premises to be received at the premises for storage, treatment, processing, reprocessing or disposal or any waste generated at the premises to be disposed of at the premises, except as expressly permitted by the licence.	No wastes were received to the Quarry during the reporting period.		Compliant
17	EPL	L3.2	Virgin Excavated Natural Material (VENM) may be received at the premises for the purpose of land application.	No VENM was received to the Quarry during the reporting period.		Not Triggered
	EPL	L4 Noise limits				
18	EPL	L4.1	Noise from the premises where extraction is occurring (being Lot 2 DP 216705 and Lot 21 DP 1082482) must not exceed an LAeq (15 minute) noise emission criterion of 47 dB(A) between the hours of 7am to 10pm, and 44dB(A) between the hours of 630am to 7am, except as expressly provided by this licence.	Noise monitoring were conducted during the operational period October 2017 to 8 February 2018. Evidence: http://www.galeskingscliff.com.au/pdf/617_Monitoring_Noise.pdf		Compliant

ID No.	EPL	No	EPL Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
19	EPL	L4.2	Noise from the premises where extraction is occurring (being Lot 2 DP 216705 and Lot 21 DP 1082482) is to be measured at: residences on privately owned land; and, locations specified in Section 7 (b) of Schedule 3 of Project Approval 75J Project Application 05_0103 dated 16 June 2009, to determine compliance with this condition.	As above. Evidence: http://www.galeskingscliff.com.au/pdf/617_Monitoring_Noise.pdf		Compliant
	EPL	L5 Hours of operation				
20	EPL	L5.1	This licence only allows activities to be carried out from the premises where extraction is occurring (being Lot 2 DP 216705 and Lot 21 DP 1082482) within the following times as follows: site establishment, sand or soil extraction by excavator, dry processing, product transport by road, other quarry related activities, maintenance (if audible at neighbouring residences)[Monday to Friday - 7am to 6pm, Saturday - 7am to 1pm, Sunday and Public Holidays - nil]; sand extraction by dredging and pumping to the processing plant, wet processing [Monday to Friday - 7am to 10pm, Saturday - 7am to 4pm, Sunday and Public Holidays - nil]; Sand extraction by dredging and pumping to fill sites [Monday to Friday - 7am to 6.30pm, Saturday - 7am to 1pm, Sunday and Public Holidays - nil]; operation of dredge to fill pipeline with water or pipeline flushing [Monday to Friday - 6.30am to 7pm, Saturday - 6.30am to 1.30pm, Sunday and Public Holidays - nil]; maintenance (if inaudible at neighbouring residences)[any day, any time].	All activities occurred within the approved hours. Evidences Annual Reviews from 2017 to 2018.		Compliant

ID No.	EPL	No	EPL Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	EPL	4 Operating Conditions				
	EPL	O1 Activities must be carried out in a competent manner				
21	EPL	O1.1	<p>Licensed activities must be carried out in a competent manner.</p> <p>This includes:</p> <p>c) the processing, handling, movement and storage of materials and substances used to carry out the activity; and</p> <p>d) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.</p>	<p>Operations period only occurred from October 2017 to 8 February 2018. Only licenses activities was carried during the audit period.</p> <p>Evidence: Annual Reviews from 2010 to 2019.</p>		Compliant
	EPL	O2 Maintenance of plant and equipment				
22	EPL	O2.1	<p>All plant and equipment installed at the premises or used in connection with the licensed activity:</p> <p>e) must be maintained in a proper and efficient condition; and</p> <p>f) must be operated in a proper and efficient manner.</p>	<p>All plant and equipment installed at the premise were maintained and operated in an efficient manner during the audit period.</p> <p>Evidence: Annual Review 2010- 2018.</p>		Compliant
	EPL	O3 Dust				
23	EPL	O3.1	<p>The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.</p>	<p>Temporary stabilisation of soil bunding, topsoil stockpile and sections of processing area has been achieved through re-establishment of pasture grass. No complaints or issues have arisen.</p> <p>Evidence: Annual Reviews 2010-2018.</p>		Compliant

ID No.	EPL	No	EPL Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	EPL	O4 Processes and management				
24	EPL	O4.1	Any pond subject to dredging, or containing turbid water due to recent dredging must be maintained and operated to prevent discharges of any water from these ponds. A vegetated barrier must be used at all times to ensure that the active dredge and fines placement area / pond are isolated from stormwater drainage channels.	The grassed bunding surrounding the dredge pond prevents discharge of water from the pond. No discharges occurred during the audit period. Evidence: Annual Review 2017-2018		Compliant
25	EPL	O4.2	The licensee must maximise the diversion of run-on waters from lands upslope and around the site whilst land disturbance activities are being undertaken.	The grassed bunding surrounding the dredge pond prevents the inflow of surface water (except in flood events). Evidence: Annual Reviews 2009-2019		Compliant
26	EPL	O4.3	The licensee must ensure that sampling point(s) for water discharged from the Dredge Pond(s) and Sediment Dam are provided and maintained in an appropriate condition to permit: a) the clear identification of each Dredge Pond and Sediment Dam and discharge point(s); b) the collection of representative samples of the water discharged from the Dredge Pond(s) and Sediment Dam; and c) access to the sampling point(s) at all times by an authorised officer of the EPA.	Access to the dredge pond was maintained throughout the audit period. Evidence: Annual Review 2017-2019.		Compliant
27	EPL	O4.4	All liquid chemicals, fuels and oils must be stored in tanks or containers inside suitable bund(s). Bunds are to be designed, constructed and maintained in accordance with AS1940-2004 Storage and Handling of Flammable and Combustible Liquids.	No diesel or other chemicals stored on site during the audit period. Evidence: Annual Review 2017-2019		Not Triggered

ID No.	EPL	No	EPL Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	EPL	O5 Other operating conditions				
28	EPL	O5.1	The licensee must assess and manage any acid sulphate soil (ASS) and potential acid sulphate soil (PASS) in accordance with the 1998 <i>Acid Sulphate Soils Manual</i> published by the NSW Acid Sulphate Soil Management Advisory Committee (ASSMAC).	Activities to date have been undertaken in accordance with the Acid Sulphate Soil Management Plan. Evidence: Annual Review 2017 to 2018		Compliant
	EPL	5. Monitoring and Recording Conditions				
	EPL	M1 Monitoring records				
29	EPL	M1.1	The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.	The monitoring records have been retained as required. Monitoring records were posted on the project website. http://www.galeskingscliff.com.au		Compliant
30	EPL	M1.2	All records required to be kept by this licence must be: g) in a legible form, or in a form that can readily be reduced to a legible form; h) kept for at least 4 years after the monitoring or event to which they relate took place; and i) produced in a legible form to any authorised officer of the EPA who asks to see them.	Monitoring has been retained in a legible form for more than 4 years. No requests from an EPA officer were received. Monitoring records were posted on the project website. http://www.galeskingscliff.com.au		Compliant

ID No.	EPL	No	EPL Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
31	EPL	M1.3	<p>The following records must be kept in respect of any samples required to be collected for the purposes of this licence:</p> <ul style="list-style-type: none"> j) the date(s) on which the sample was taken; k) the time(s) at which the sample was collected; l) the point at which the sample was taken; and m) the name of the person who collected the sample. 	<p>Monitoring records contain all required information.</p> <p>Monitoring records were posted on the project website. http://www.galeskingscliff.com.au</p>		Compliant
	EPL	M2 Requirement to monitor concentration of pollutants discharged				
32	EPL	M2.1	<p>For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:</p>	<p>Monitoring undertaken in accordance with these requirements.</p> <p>Evidence: Annual Reviews 2017 to 2019</p> <p>Monitoring records were posted on the project website. http://www.galeskingscliff.com.au</p>		Compliant

ID No.	EPL	No	EPL Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
33	EPL	M2.2	Water and/ or Land Monitoring Requirements. POINT 1,2 POINT 4,5,6	All required analytes were sampled at least at the frequency required using in situ methods. It is noted that, as no discharges occurred, no sampling was required from Point 1 or 2. Evidence: Annual Reviews 2017 to 2019 Monitoring records were posted on the project website. http://www.galeskingscliff.com.au		Compliant
34	EPL	M2.3	Special Frequency 1 means: sampling once <24 hours prior to; and, sampling the discharge daily during, each discharge event arising from rainfall of less than 82.5mm falling in total over a period of up to five days duration.	Noted Evidence: Annual Reviews 2017 to 2019 Monitoring records were posted on the project website. http://www.galeskingscliff.com.au	-	Compliant
	EPL	M3 Testing methods - concentration limits				
35	EPL	M3.1	Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.	No discharges or application of water occurred during the reporting period. Evidence: Annual Reviews 2017 to 2019 Monitoring records were posted on the project website. http://www.galeskingscliff.com.au		Compliant

ID No.	EPL	No	EPL Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	EPL	M4 Environmental Monitoring				
36	EPL	M4.1	The licensee is required to install and maintain a rainfall depth measuring device.	Meteorological monitoring was undertaken in accordance with the Environmental Monitoring Program utilising an on-site automatic rain gauge (1 October 2017) and the Bureau of Meteorology's Coolangatta Station No. 040717. Evidence: Annual Review 2017-2018		Compliant
37	EPL	M4.2	Rainfall at the premises must be measured and recorded in millimetres per 24 hour period, at the same time each day. Note: The rainfall monitoring data collected in compliance with Condition M4.2 can be used to determine compliance with L1.2.	Meteorological monitoring was undertaken in accordance with the Environmental Monitoring Program utilising an on-site automatic rain gauge (1 October 2017) and the Bureau of Meteorology's Coolangatta Station No. 040717. Evidence: Annual Review 2017-2018		Compliant
	EPL	M5 Recording of pollution complaints				
38	EPL	M5.1	The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.	Complaint register available in the website only noted one compliant. http://www.galeskingscliff.com.au/pdf/617ComplaintsRegister.pdf		Compliant

ID No.	EPL	No	EPL Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor	
39	EPL	M5.2	The record must include details of the following: n) the date and time of the complaint; o) the method by which the complaint was made; p) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect; q) the nature of the complaint; r) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and s) if no action was taken by the licensee, the reasons why no action was taken.	Complaint register available in the website only noted one compliant. http://www.galeskingscliff.com.au/pdf/617ComplaintsRegister.pdf		Compliant	
40	EPL	M5.3	The record of a complaint must be kept for at least 4 years after the complaint was made.	Complaint register available in the website only noted one compliant. http://www.galeskingscliff.com.au/pdf/617ComplaintsRegister.pdf		Compliant	
41	EPL	M5.4	The record must be produced to any authorised officer of the EPA who asks to see them.	Complaint register available in the website only noted one compliant. http://www.galeskingscliff.com.au/pdf/617ComplaintsRegister.pdf		Compliant	
	EPL	M6 Telephone complaints line					
42	EPL	M6.1	The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.	Telephone Complaints Line for the Cudgen Lakes Sand Extraction Project is 0414 322 455 Evidence project website: http://www.galeskingscliff.com.au		Compliant	

ID No.	EPL	No	EPL Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
43	EPL	M6.2	The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.	Complaint register available in the website only noted one compliant. http://www.galeskingscliff.com.au/pdf/617ComplaintsRegister.pdf		Compliant
44	EPL	M6.3	The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.	The licence was issued 18/11/2005 (i.e. more than 3 months prior).		Compliant
	EPL	6 Reporting Conditions				
	EPL	R1 Annual return documents				
45	EPL	R1.1	<p>The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:</p> <ol style="list-style-type: none"> 1. a Statement of Compliance; and 2. a Monitoring and Complaints Summary. 3. Statement of Compliance - Licence Conditions, 4. a Statement of Compliance - Load based Fee, 5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan, 6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and 7. a Statement of Compliance - Environmental Management Systems and Practices. <p>At the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.</p>	<p>Completed Annual Returns were posted on the POEO Register.</p> <p>https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=12385&id=12385&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued</p>		Compliant

ID No.	EPL	No	EPL Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
46	EPL	R1.2	An Annual Return must be prepared in respect of each reporting period, except as provided below.	Completed Annual Returns were posted on the POEO Register. https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=12385&id=12385&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued		Compliant
47	EPL	R1.3	Where this licence is transferred from the licensee to a new licensee: t) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and u) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.	The licence has not been transferred.		Not Triggered
48	EPL	R1.4	Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on: v) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or w) in relation to the revocation of the licence - the date from which notice revoking the licence operates.	The licence has not been surrendered.		Not Triggered

ID No.	EPL	No	EPL Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
49	EPL	R1.5	The Annual Return for the reporting period must be supplied to the EPA by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').	Completed Annual Returns were posted on the POEO Register and were submitted within 60 days after the end of each reporting period. https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=12385&id=12385&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued		Compliant
50	EPL	R1.6	The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.	Copies of annual returns retained for more than 4 years. https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=12385&id=12385&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued		Compliant
51	EPL	R1.7	Within the Annual Return, the Statement of Compliance must be certified and the Monitoring and Complaints Summary must be signed by: x) the licence holder; or y) by a person approved in writing by the EPA to sign on behalf of the licence holder. Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period. Note: An application to transfer a licence must be made in the approved form for this purpose.	The Annual Returns were signed by the licence holder. https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=12385&id=12385&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued		Compliant

ID No.	EPL	No	EPL Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	EPL	R2 Notification of environmental harm				
52	EPL	R2.1	Notifications must be made by telephoning the Environment Line service on 131 555.	No environmental harm occurred during the reporting period.	-	Not Triggered
53	EPL	R2.2	The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.	No environmental harm occurred during the reporting period.		Not Triggered
54	EPL		Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.			
	EPL	R3 Written report				
55	EPL	R3.1	Where an authorised officer of the EPA suspects on reasonable grounds that: z) where this licence applies to premises, an event has occurred at the premises; or aa) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence, and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.	No requests received.		Not Triggered
56	EPL	R3.2	The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.	No requests received.		Not Triggered

ID No.	EPL	No	EPL Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
57	EPL	R3.3	<p>The request may require a report which includes any or all of the following information:</p> <ul style="list-style-type: none"> bb) the cause, time and duration of the event; cc) the type, volume and concentration of every pollutant discharged as a result of the event; dd) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event; ee) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort; ff) action taken by the licensee in relation to the event, including any follow-up contact with any complainants; gg) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and hh) any other relevant matters. 	No requests received.		Not Triggered
58	EPL	R3.4	<p>The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.</p>	No requests received.		Not Triggered

ID No.	EPL	No	EPL Requirement	Audit Evidence	Audit Findings / Recommendations	Compliance Descriptor
	EPL	7 General Conditions				
	EPL	G1 Copy of licence kept at the premises or plant				
59	EPL	G1.1	A copy of this licence must be kept at the premises to which the licence applies.	The license was posted on project website. http://www.galeskingscliff.com.au/pdf/EPL_12385.pdf		Compliant
60	EPL	G1.2	The licence must be produced to any authorised officer of the EPA who asks to see it.	No requests received.		Not Triggered
61	EPL	G1.3	The licence must be available for inspection by any employee or agent of the licensee working at the premises.	A copy is retained within the on-site document tube during operation period and is posted on operator's website. http://www.galeskingscliff.com.au/pdf/EPL_12385.pdf		Compliant

Water Access Licence 40902

ID No.	Condition No.	WAL Requirement	Audit Evidence	Audit Findings / Recommendation	Basis
Take of water					
1	MW0604-00001	Water allocations remaining in the account for this access licence must not be carried over from one water year to the next water year.	Noted. No carry over requested.		Compliant
2	MW0603-00001	The total volume of water taken under this access licence in any water year must not exceed a volume equal to:	Water usage calculations confirm a 'water take' during the reporting period of 355.3ML, i.e. well below licenced water allocation. Details of the water take calculations are presented in Section 8.6 of the 2017/2018 Annual Groundwater Monitoring Report		Compliant
		A. the sum of water in the account from the available water determination for the current year, plus			
		B. the net amount of water assigned to or from the account under a water allocation assignment, plus C. any water re-credited by the Minister to the account.			
Monitoring and recording					
3	MW2338-00001	The completed logbook must be retained for five (5) years from the last date recorded in the logbook.	Groundwater monitoring record posted on the project website. Annual Review 2017-2018. http://www.galeskingscliff.com.au/pdf/617_Monitoring_GroundWater.pdf		Compliant
4	MW2336-00001	The purpose or purposes for which water is taken, as well as details of the type of crop,	Groundwater monitoring record posted on the project website. Annual Review 2017-2018.		Compliant

ID No.	Condition No.	WAL Requirement	Audit Evidence	Audit Findings / Recommendation	Basis
		area cropped, and dates of planting and harvesting, must be recorded in the logbook each time water is taken.	http://www.galeskingscliff.com.au/pdf/617_Monitoring_GroundWater.pdf		
5	MW2337-00001	The following information must be recorded in the logbook for each period of time that water is taken:	Groundwater monitoring record posted on the project website. Annual Review 2017-2018. http://www.galeskingscliff.com.au/pdf/617_Monitoring_GroundWater.pdf		Compliant
	A. date, volume of water, start and end time when water was taken as well as the pump capacity per unit of time, and				
	B. the access licence number under which the water is taken, and C. the approval number under which the water is taken, and D. the volume of water taken for domestic consumption and/or stock watering.				
6	MW2339-00001	A logbook must be kept, unless the work is metered and fitted with a data logger. The logbook must be produced for inspection when requested by the relevant licensor.	No requests received to date.		Compliant
Reporting					
7	MW0051-00003	Once the water access licence holder becomes aware of a breach of any condition on this water access licence, the water access licence holder must notify the Minister as soon as practicable. The Minister must be notified by:	No breaches identified.		Not Triggered

ID No.	Condition No.	WAL Requirement	Audit Evidence	Audit Findings / Recommendation	Basis
		A. email: water.enquiries@dpi.nsw.gov.au, or B. telephone: 1800 353 104. Any notification by telephone must also be confirmed in writing within seven (7) business days of the telephone call.			

Appendix B. Auditor's DPIE Approval Letter



Contact: Shelley McPhee
Phone: 02 6670 8675
Email: shelley.mcphee@planning.nsw.gov.au
compliance@planning.nsw.gov.au

Scott Hollamby
Senior Environmental Consultant
RW Corkery & Co Pty Ltd
PO Box 29
BROOKLYN NSW 2083

Our Ref: 05_0103

23 October 2019

Dear Mr Hollamby

Agreement of Independent Auditors Cudgen Lakes (05_0103)

Reference is made to a submission, dated 22 October 2019, seeking the agreement of the Secretary of the Department of Planning, Industry and Environment (the Department) of a suitability of qualified, experienced and independent audit team to undertake independent environmental audit of Cudgen Lakes Sand Extraction Project.

In accordance with Schedule 5, Condition 6 and the *Independent Audit Post Approvals Requirements* (Department 2018), the Secretary has agreed to the following audit team:

- Annabelle Tungol – Lead Auditor (Aquas)
- James Hart – (Aquas)

Please ensure this correspondence is appended to the Independent Audit Report.

The Department released the *Independent Audit Post Approval Requirements* (PAR) document June 2018, which Development Consents Issued by the Department since that date must comply with. Please note that as the Consent was already in existence when the PAR was released, you may elect to voluntarily comply with the PAR but compliance with the Conditions of Consent takes priority. While not a requirement under your Consent, the PAR may assist you with developing future IEA's.

If you have any questions, please contact me on the details listed above.

Yours sincerely



Shelley McPhee
Team Leader - Compliance
As nominee of the Secretary

Appendix C. Independent Audit Declaration Form

Independent Audit Declaration Form Template

Independent Audit Declaration Form

Project Name:	Cudgen Lakes Sand Quarry
Consent Number:	Project Approval 03_0103,
Description of Project:	Quarry Operations
Project Address:	Cudgen Lakes Sand Quarry
Proponent:	Gales-Kingscliff Pty Ltd (Gales)
Title of Audit:	Independent Environmental Audit
Date:	21 October 2019

I declare that I will undertake the Independent Audits and prepare the contents of the Independent Audit Reports and to the best of my knowledge:

- I am not related to any proponent, owner or operator of the project neither as an employer, business partner, employee, or by sharing a common employer, having a contractual arrangement outside the audit, or by relationship as spouse, partner, sibling, parent, or child;
- I do not have any pecuniary interest in the audited project, including where there is a reasonable likelihood or expectation of financial gain or loss to me or spouse, partner, sibling, parent, or child;
- neither I nor my employer have provided consultancy services for the audited project that were subject to this audit except as otherwise declared to the Department prior to the audit;
- neither I nor any technical specialist that may take part in the Independent Audits are an Environmental Representative for the project; and
- I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from payment for auditing services) from any proponent, owner or operator of the project, their employees or any interested party. I have not knowingly allowed, nor intend to allow my 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 Auditor:	Annabelle Tungol
Signature:	
Qualification:	Lead Environmental Auditor (Exemplar Global No. 119536)
Company:	AQUAS Pty Ltd
Company Address:	Level 7, 116 Miller Street, North Sydney NSW 2060

Appendix D. Consultation

From: [Tungol, Annabelle](#)
To: [Diane & John Griffin](#)
Subject: Re: Project Approval 05_0103 - Cudgen Lakes Sand Quarry Independent Environmental Audit
Date: Thursday, 7 November 2019 1:23:02 PM

Thanks John for your prompt response

Kind regards,

Annabelle Tungol | Senior Environmental Project Manager



Level 7, [116 Miller Street | North Sydney NSW 2060](#)
M [+61 438 850 943](#) | **E** annabelle.tungol@app.com.au

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On 7 Nov 2019, at 12:52 pm, Diane & John Griffin <griffinj@bigpond.net.au> wrote:

Hi Annabelle,
I don't have any areas of concern with the project, however as pumping operations have ceased for some period of time there has been no recent CCC meetings and hence no site inspections.
I have not received any complaints from the community.
Kind Regards,
John

(Dr John Griffin Chair CCC)

On Thu, 7 Nov 2019 at 10:48, Tungol, Annabelle
<Annabelle.Tungol@app.com.au> wrote:

Hi John,

AQUAS was engaged (me as the lead auditor) to conduct the Independent Environmental Audit for Project Approval 05_0103 - Cudgen Lakes Sand Quarry on 18 November 2019.

As per the requirement of DPAR 2018, consultation with relevant stakeholders is required prior to the audit being conducted. With this we would like to get your feedback and any areas of concern that you want me to focus on during this audit? Your response to this email prior to the audit will be very much appreciated

Kind regards,

Annabelle Tungol | Senior Environmental Project Manager

<image001.png>

Level 7, 116 Miller Street | North Sydney NSW 2060

M +61 438 850 943 | **E** annabelle.tungol@app.com.au

app.com.au <image002.png> <image003.png> <image004.png> <image005.png>

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From: [Tungol, Annabelle](mailto:Tungol,Annabelle)
To: Geff.Cramb@epa.nsw.gov.au
Subject: Project Approval 05_0103 - Cudgen Lakes Sand Quarry Independent Environmental Audit
Date: Thursday, 7 November 2019 10:50:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)

Hi Geff,

AQUAS was engaged (me as the lead auditor) to conduct the Independent Environmental Audit for Project Approval 05_0103 - Cudgen Lakes Sand Quarry on 18 November 2019.

As per the requirement of DPAR 2018, consultation with relevant agencies is required prior to the audit being conducted. With this we would like to get your feedback and any areas of concern that you want me to focus on during this audit? Your response to this email prior to the audit will be very much appreciated

Kind regards,

Annabelle Tungol | Senior Environmental Project Manager



Level 7, 116 Miller Street | North Sydney NSW 2060
M +61 438 850 943 | **E** annabelle.tungol@app.com.au

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From: [Tungol, Annabelle](#)
To: [Ellie Randall](#)
Cc: water.referrals@nrar.nsw.gov.au
Subject: Re: Project Approval 05_0103 - Cudgen Lakes Sand Quarry Independent Environmental Audit
Date: Thursday, 7 November 2019 11:54:18 AM

Hi Ellie,

Thanks for quick response.

Your feedback and focus areas will be looked at closely during this audit.

Kind regards,

Annabelle Tungol | Senior Environmental Project Manager



Level 7, [116 Miller Street | North Sydney NSW 2060](#)
M [+61 438 850 943](tel:+61438850943) | **E** annabelle.tungol@app.com.au

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On 7 Nov 2019, at 11:37 am, Ellie Randall <ellie.randall@nrar.nsw.gov.au> wrote:

Hi Annabelle,

NRAR would like to see the audit address all areas of the Conditions of Approval including water specific plans. Furthermore a focus on relevant licenses/approvals such as Water Access Licences and water take is occurring in accordance with relevant approvals.

Kind regards,

Ellie Randall | Water Regulation Officer
Natural Resources Access Regulator | Water Regulation (East)
Level 0 | 84 Crown Street | Wollongong NSW 2500
PO Box 53 Wollongong NSW 2520
T: +61 2 4275 9308 | **F:** +61 2 4224 9740
E: ellie.randall@nrar.nsw.gov.au
W: www.industry.nsw.gov.au
<NRAR_COL_RGB.jpg>

On Thu, Nov 7, 2019 at 10:55 AM Tungol, Annabelle
<Annabelle.Tungol@app.com.au> wrote:

Hi,

AQUAS was engaged (me as the lead auditor) to conduct the Independent Environmental Audit for Project Approval 05_0103 - Cudgen Lakes Sand Quarry on 18 November 2019.

As per the requirement of DPAR 2018, consultation with relevant agencies is required prior to the audit being conducted. With this we would like to get your feedback and any areas of concern that you want me to focus on during this audit? Your response to this email prior to the audit will be very much appreciated

Kind regards,

Annabelle Tungol | [Senior Environmental Project Manager](#)

<image001.png>

Level 7, 116 Miller Street | North Sydney NSW 2060

M +61 438 850 943 | **E** annabelle.tungol@app.com.au

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[<image002.png>](#) [<image003.png>](#) [<image004.png>](#) [<image005.png>](#)

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From: [Tungol, Annabelle](#)
To: [Phillip Rose](#)
Subject: Re: Project Approval 05_0103 - Cudgen Lakes Independent Environmental Audit
Date: Friday, 8 November 2019 10:53:32 AM

Thanks Philip.

Kind regards,

Annabelle Tungol | Senior Environmental Project Manager



Level 7, [116 Miller Street](#) | [North Sydney NSW 2060](#)
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On 8 Nov 2019, at 10:15 am, Phillip Rose
<Phillip.Rose@planning.nsw.gov.au> wrote:

Hi Annabelle,

Thanks for your recent email seeking input into the scope of the upcoming Independent Environmental Audit (IEA).

While the Department understands that the site is currently non-operational, there are some key issues that the Department would like included in the scope of the IEA as a result of exceedances in the recent Annual Review, which I have listed the following dot points:

- pH, EC and Enterococci monitoring in accordance with the Groundwater Monitoring Program as directed by Schedule 3, Condition 24.
- Blue Green Algae monitoring in accordance with the Blue Green Algae Management Plan as directed by Schedule 3, Condition 23.

For your information. No air quality monitoring has occurred while the site has been non-operational, this was considered as an issue in the Annual Review. However, the Air Quality Management Plan is currently being updated as a result of

MOD 2 (05_0103B), with the intention of removing the need for monitoring during non-operational periods. Due to the management plan awaiting approval by the Department, the matter remains in breach. The Department reserves its right to enforce this matter at this point in time.

As you would be aware, the Independent Audit Guideline requires that you consult with other agencies and stakeholders to obtain their input into the scope of the audit.

Condition 15 of Schedule 5 requires the proponent to submit the each audit to the Secretary and each agency within 12 weeks of the commencement of the audit, unless otherwise agreed by the Secretary.

Please give me a call if you would like to discuss any aspects of the audit or the matters raised in the points above.

Kind Regards

Phillip Rose

Compliance Officer

Planning Services

Far Northern Region

NSW Department of Planning, Industry and Environment

PO Box 72 | MURWILLUMBAH NSW 2484

P:02 6670 8657

E: Phillip.Rose@planning.nsw.gov.au

<image001.jpg>

From: Tungol, Annabelle <Annabelle.Tungol@app.com.au>

Sent: Thursday, November 7, 2019 10:46

To: Shelley McPhee

Subject: Project Approval 05_0103 - Cudgen Lakes Independent Environmental Audit

Hi Shelley,

AQUAS was engaged (me as the lead auditor) to conduct the Independent Environmental Audit for Project Approval 05_0103 - Cudgen Lakes Sand Quarry on 18 November 2019.

As per the requirement of DPAR 2018, consultation with the department is required prior to the audit being conducted. With this we would like to get your feedback and any areas of concern that you want me to focus on during this audit? Your response to this email prior to the audit will be very much appreciated.

Kind regards,

Annabelle Tungol | Senior Environmental Project Manager



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From: [Denise Galle](#)
To: [Tungol, Annabelle](#)
Cc: [Scott Hollamby](#)
Subject: RE: Project Approval 05_0103 - Cudgen Lakes Sand Quarry Independent Environmental Audit & feedback on 2018/2019 Annual Review DA08/1266
Date: Wednesday, 13 November 2019 10:45:28 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)

Hi Annabelle,

Assuming that the audit would involve an onsite inspection, if the extent of on ground restoration/landscape actions prescribed under the current Landscape Management Plan (LMP) Cudgen Lakes Sand Quarry dated July 2016 prepared by R.W Corkery & Co Pty Ltd and reported in the 2018/2019 Annual Review could be evaluated and cross checked that would be appreciated. Council have not had the opportunity to carry out an onsite inspection before and have simply relied on the Annual Review.

Previous comments on the annual review are as follows:

Environmental Health:

Activities undertaken during this reporting period

- *No site establishment or construction activities were undertaken at the Quarry during the reporting period.*
- *No physical works or maintenance for Altona Road commenced during the reporting period.*
- *Environmental monitoring, including surface and groundwater monitoring, continued throughout the reporting period. However, several non-compliances were recorded regarding monitoring frequency and Blue-green algae exceedences. It is noted that the relevant government agencies were notified of the non-compliances, and measures have been implemented in consultation with the relevant agency to prevent re-occurrence. It is also noted that no environmental harm, community complaints or community impacts have occurred as a result of the non-compliances.*
- *The following management plans and strategies for the Quarry were updated:*
 - a) *Environmental Management Strategy (EMS).*
 - b) *Noise Management Plan (NMP).*
 - c) *Air Quality Management Plan (AQMP).*
 - d) *Soil and Water Management Plan (SWMP).*
 - e) *Rehabilitation Management Plan (RMP).*

It is noted that a previous review of the SWMP undertaken by Council's EHO in June 2019 provided the following suggestions:

- 1) *NSW EPA advise that Virgin Excavated Natural Material (VENM) cannot contain sulfidic ores or soils. Page 25 of the report advises that material containing actual or potential acid sulfate soil will be accepted as VENM at the site. It is recommended that contact with the EPA Waste Unit for further information regarding VENM.*

Confirmation should be sought as to whether the report has updated their definition of VENM to be in line with NSW EPA.

- 2) Groundwater quality monitoring suite in Section 6.4.4 Table 6.4 should include turbidity (field test) and suspended solids (laboratory test).

A review of the groundwater monitoring results shows the above suggestion has been incorporated into suite of monitored parameters.

Actions required from previous annual review

- All actions required from the previous annual review have been undertaken/completed.

Ecology:

I have reviewed Section 8 Rehabilitation of the Annual Review Cudgen Lakes Sand Quarry 01 July 2018 to 30 June 2019 and referred to the current approved Landscape Management Plan (LMP) Cudgen Lakes Sand Quarry dated July 2016 prepared by R.W Corkery & Co Pty Ltd.

Due to the cessation of extraction works during the reporting period it is understood no further rehabilitation activities (to that of the previous reporting period) with the exception of maintenance of the screening plants has been undertaken.

Given the slow progress and location of extraction works to date, it is also understood that rehabilitation works have not progressed at the temporal rate prescribed in the LMP. Notwithstanding, it is considered that the delivery of planned rehabilitation works is appropriate and generally correlates with the extent of works onsite (rather than tied to timeframes) as envisaged in the LMP.

The S&E Unit note the 2018/2019 Annual Review and have no further comment.

Hope that helps

Regards,

Denise Galle Murwillumbah NSW Time
Team Leader Development Assessment



p (02) 6670 2459

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Your actions matter: print less to save more

From: Tungol, Annabelle [mailto:Annabelle.Tungol@app.com.au]
Sent: Thursday, 7 November 2019 10:50 AM
To: Denise Galle
Subject: Project Approval 05_0103 - Cudgen Lakes Sand Quarry Independent Environmental Audit

Hi Denise,

AQUAS was engaged (me as the lead auditor) to conduct the Independent Environmental Audit for Project Approval 05_0103 - Cudgen Lakes Sand Quarry on 18 November 2019.

As per the requirement of DPAR 2018, consultation with relevant stakeholders is required prior to the audit being conducted. With this we would like to get your feedback and any areas of concern that you want me to focus on during this audit? Your response to this email prior to the audit will be very much appreciated

Kind regards,

Annabelle Tungol | Senior Environmental Project Manager



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From: [Geff Cramb](#)
To: [Tungol, Annabelle](#)
Subject: RE: Project Approval 05_0103 - Cudgen Lakes Sand Quarry Independent Environmental Audit
Date: Monday, 11 November 2019 7:30:14 AM
Attachments: [image006.png](#)
[image007.png](#)
[image008.png](#)
[image009.png](#)
[image010.png](#)
[image011.png](#)

Dear Annabelle

The EPA does not have any areas of concern that we would like you to focus on during your audit.

Regards
Geff

Geff Cramb

Operations Officer – Environment Management Unit
North Coast, NSW Environment Protection Authority
+61 2 6640 2510

Mon	Tues	Wed	Thurs	Fri
✓	✓	✓	✓	x

geff.cramb@epa.nsw.gov.au www.epa.nsw.gov.au [@EPA NSW](#)

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From: Tungol, Annabelle <Annabelle.Tungol@app.com.au>
Sent: Thursday, 7 November 2019 10:51 AM
To: Geff Cramb <Geff.Cramb@epa.nsw.gov.au>
Subject: Project Approval 05_0103 - Cudgen Lakes Sand Quarry Independent Environmental Audit

Hi Geff,

AQUAS was engaged (me as the lead auditor) to conduct the Independent Environmental Audit for Project Approval 05_0103 - Cudgen Lakes Sand Quarry on 18 November 2019.

As per the requirement of DPAR 2018, consultation with relevant agencies is required prior to the audit being conducted. With this we would like to get your feedback and any areas of concern that you want me to focus on during this audit? Your response to this email prior to the audit will be very much appreciated

Kind regards,


Annabelle Tungol | Senior Environmental Project Manager



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From: [Tungol, Annabelle](#)
To: melissa.hundy@waternsw.com.au
Subject: AQUAS was engaged (me as the lead auditor) to conduct the Independent Environmental Audit for Project Approval 05_0103 - Cudgen Lakes Sand Quarry on 18 November 2019.
Date: Thursday, 7 November 2019 10:51:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)

Hi Melissa,

AQUAS was engaged (me as the lead auditor) to conduct the Independent Environmental Audit for Project Approval 05_0103 - Cudgen Lakes Sand Quarry on 18 November 2019.

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Kind regards,

Annabelle Tungol | Senior Environmental Project Manager



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Appendix E. Audit Photos



Photo 1. Panoramic view of the site from the entry. No operations at the site during this audit.



Photo 2. Site access/egress gate with rumble grid installed.



Photo 3. Panoramic view of the lake within the site. Bunding was installed around the lake.



Photo 4. Boundary markers (2 metres peg) were installed around the perimeter of the site.



Photo 5. The site was mainly vegetated.



Photo 6. Haul road were stabilised and no signs of dust generation during site inspection.



Photo 7. Altona Road area was not yet realigned. The quarry area was fenced off and boundary markers were up.



Photo 8. Vegetation screening and bunding installed around the extraction site.