

CADIA VALLEY OPERATIONS

INDEPENDENT ENVIRONMENTAL AUDIT

for Newmont Corporation

3 September 2024



DOCUMENT CONTROL

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LIMITATIONS OF REPORT

In preparing this Independent Environmental Audit on behalf of Newmont Corporation, James Bailey & Associates has assessed all activities appropriate and necessary to evaluate the environmental status of the site during the audit period. James Bailey and Associates has addressed all technical matters which might reasonably be considered relevant to such an audit conducted to standards which apply in New South Wales. Based on discussions with appropriate staff and a review of available documentation, it is James Bailey & Associates' opinion that the potential critical environmental issues associated with the site and operations are those discussed in this report. However, James Bailey & Associates can only advise based on the information available to them and therefore cannot dismiss absolutely the possibility that parts of the site, or adjacent properties, may give rise to additional issues.

The conclusions presented in this report are professional opinions based solely upon James Bailey & Associates' interpretation of the documentation reviewed, interviews and conversations with personnel knowledgeable about the site and other available information, as referenced in this report. These conclusions are intended exclusively for the purposes stated herein, at the site listed, and for the project indicated.

This report does not, and does not purport to, give legal advice on the actual or potential environmental liabilities of any individual or organisation, or to draw conclusions as to whether any particular circumstances constitute a breach of relevant legislation.

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1. INTRODUCTION

1.1 BACKGROUND

James Bailey & Associates (JBA) has been commissioned by Newmont Corporation (Newmont) to conduct an Independent Environmental Audit (IEA) of Cadia Valley Operations (Cadia).

Cadia is operated by Cadia Holdings Pty Limited (CHPL), a wholly owned subsidiary of Newmont. Cadia is situated approximately 25 kilometres (km) south of Orange in the Central Tablelands of New South Wales (NSW).

Cadia comprises the Cadia East underground mine (Cadia East), Ridgeway underground mine (Ridgeway), Northern Tailings Storage Facility (NTSF), Southern Tailings Storage Facility (STSF), Pit Tailings Storage Facility (PTSF) (previously Cadia Hill Open Pit), the Cadia Dewatering Facility (CDF) and associated infrastructure.

Mining at Cadia commenced at Cadia Hill in 1998 and Ridgeway commenced production in 2002. Cadia East was approved in January 2010 (PA o6_0295), with commercial production commencing in January 2013. Mining at Ridgeway ceased in September 2017 and the mine was placed in Care and Maintenance. PA o6_0295 authorises mining activities to 30 June 2031, and has been modified on fourteen occasions.

Up to 32 million tonnes per annum (Mtpa) of ore may be processed per calendar year at Cadia. Mineral concentrate containing gold and copper is pumped approximately 30 km, principally within road reserves, from Cadia to the CDF, where it is dewatered and then loaded onto trains for transport to Port Kembla on the eastern seaboard.

The IEA has been conducted generally in accordance with the NSW DPIE 'Independent Audit Post Approval Requirements May 2020' (IEA Guidelines).

1.2 AUDIT TEAM

The IEA was completed by Dorian Walsh (Certified Auditor Certificate Number: 201881) and Tegan Brown of JBA. Technical specialists provided input to the IEA on noise, air quality and water management aspects. The IEA lead technical specialists are listed in **Table 1**.

A copy of the Department of Planning and Environment (DPE) endorsement of the IEA team is included in **Appendix A**. JBA's Independent Environmental Audit Report Declaration for this IEA is included as **Appendix B**.

Table 1 **Audit Specialists**

Specialist Field	Specialist
Air Quality	Ali Naghizadeh (SLR Consulting)
Noise	Mark Bridges (Bridges Acoustics)
Water	Neal Albert (Alluvium)

1.3 AUDIT OBJECTIVES

The IEA assesses Cadia activities during the audit period (see **Section 1.5**) and compliance with key regulatory approvals for the Project. The IEA assessed the status of conditions and commitments from:

- PA o6_0295;
- PA o6_0295 management plans, strategies and programs; and
- Mining Lease (ML) 1405.

1.4 AUDIT SCOPE

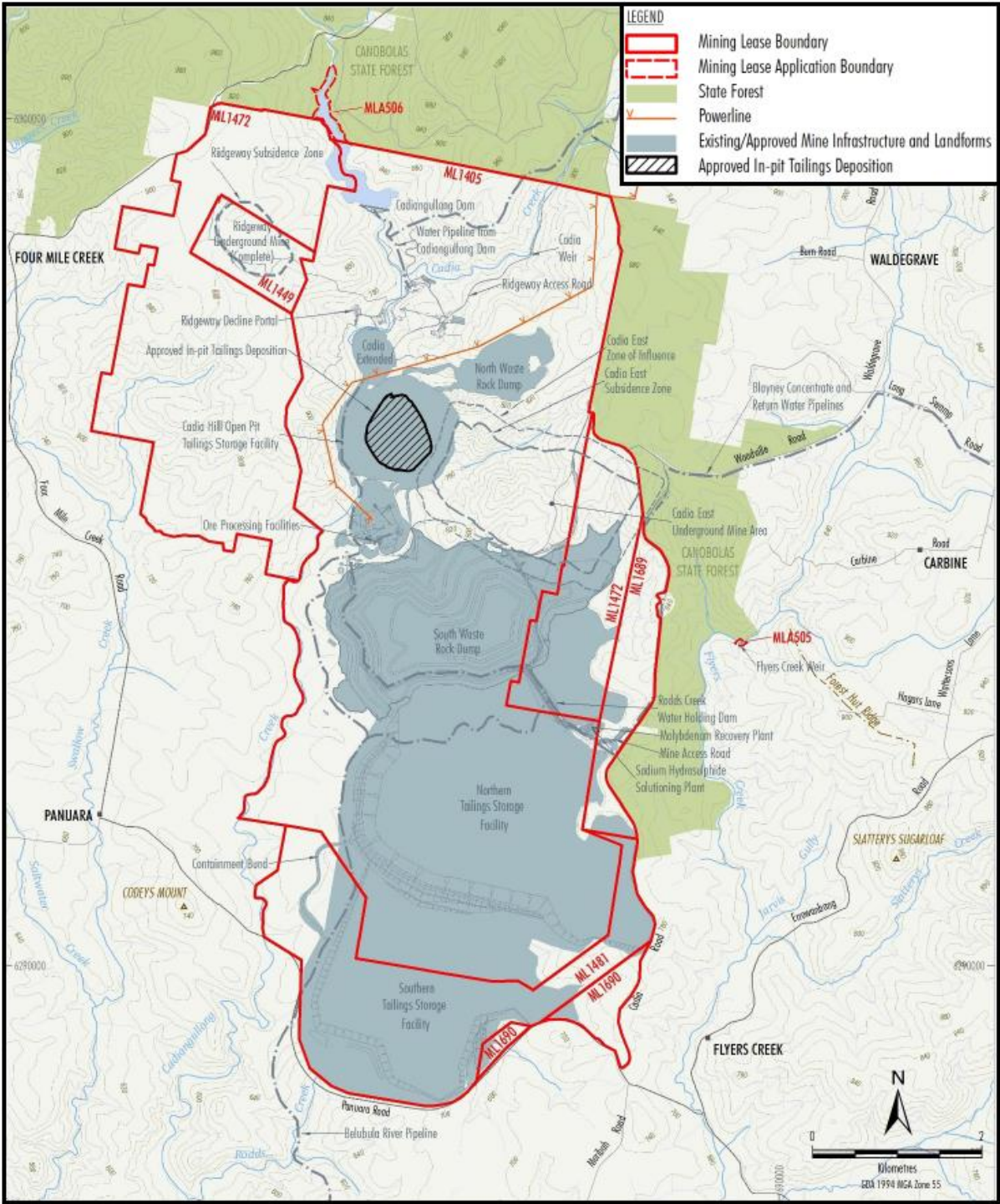
The IEA scope is defined under Schedule 5, Conditions 7-8 of PA o6_o295 which is reproduced below in **Table 2**.

1.5 AUDIT PERIOD

The IEA covers the period from 13 November 2020 to the date of the conclusion audit site visit on 14 December 2023 (the audit period).

Table 2 PA o6_o295 IEA Requirements

Schedule 5 Condition	Requirement	Report Section
7.	Independent Audits of the project must be conducted and carried out in accordance with the Independent Audit Post Approval Requirements (2020).	This IEA report
7A.	Proposed independent auditors must be agreed to in writing by the Secretary prior to the commencement of an Independent Audit.	Section 1.2 and Appendix A
7B.	The Secretary may require the initial and subsequent Independent Audits to be undertaken at different times to those specified in the Independent Audit Post Approval Requirements (2020), upon giving at least 4 weeks' notice (or timing) to the Proponent of the date upon which the audit must be commenced.	N/A; no requests made by DPE to change IEA frequency
7C.	In accordance with the specific requirements in the Independent Audit Post Approval Requirements (2020) (or as amended from time to time), the Proponent must:	This IEA report; Newmont to complete response to DPE
	(a) review and respond to each Independent Audit Report prepared under condition 7 of this approval, or condition 7B where notice is given by the Secretary;	
	(b) submit the response to the Secretary; and	N/A; Newmont to complete
	(c) make each Independent Audit Report, and response to it, publicly available within 60 days of submission to the Secretary, unless otherwise agreed by the Secretary.	N/A; Newmont to complete
8.	Independent Audit Reports and the Proponent's response to audit findings must be submitted to the Secretary within 2 months of undertaking the independent audit site inspection, as outlined in the Independent Audit Post Approvals Requirements (2020) (or as amended from time to time) unless otherwise agreed by the Secretary.	N/A; Newmont to complete
8A.	Notwithstanding the requirements of the Independent Audit Post Approvals Requirements (2020), the Secretary may approve a request for ongoing independent operational audits to be ceased, where it has been demonstrated to the Secretary's satisfaction that independent operational audits have demonstrated operational compliance.	N/A



(Source: PA 06_0295, Appendix 2)

Figure 1 PA 06_0295 Project Layout

2. AUDIT METHODOLOGY

2.1 OVERVIEW

This IEA was undertaken in accordance with the requirements of PA 06_0295 (see **Section 1.4**) and the IEA Guidelines. **Appendix A** includes a copy of DPE endorsement for the IEA team (see **Section 1.2**) and confirmation over audit requirements.

The compliance status of Cadia activities during the audit period was determined by assessment of key approval documents regulating site activities (see **Section 3.1**) and a desktop review of all plans, strategies, programs, monitoring data and correspondence relevant to the audit period. The desktop review was used as a basis for this IEA report and identified potential compliance issues that were verified during the audit site inspections and in interviews with key Newmont personnel.

The audit methodology also included consultation with NSW DPE, Natural Resources Access Regulator (NRAR), Resources Regulator (RR), NSW Health, Environment Protection Authority (EPA), Orange City Council, Blayney Shire Council, Cabonne Shire Council, DPE Hazards Branch, DPE Water, Water NSW, DPE Division of Resources and Geoscience, Dams Safety to seek any specific environmental issues that should be a focus of the IEA (see **Section 2.5**).

2.2 IEA PREPARATION

Preparation of the IEA involved:

- Submission of an information request to Newmont for the provision of documentary evidence to verify the compliance status of Cadia activities during the audit period;
- Engagement with key regulatory agencies for the Project regarding any specific issues that should be a particular focus of the IEA;
- Submission of an audit agenda to Newmont (see **Appendix E**) and confirmation over the scope of the site inspection component of the IEA;
- Desktop review of documentation provided by Newmont to determine the compliance status of approval and licencing conditions, identify good site practice and opportunities for improvement, in accordance with the requirements of the IEA Guidelines; and
- Preparation of compliance tables and protocols for the site inspection, including a checklist of specific regulatory requirements obtained from documents provided.

2.3 COMPLIANCE EVALUATION

The IEA consisted of a detailed desktop review of approval documentation and a site inspection. The findings of this IEA were based on verifiable evidence collected by:

- Review of documentation provided by Newmont (including document reference, revision numbers, dates, and authors);
- Interviews with key site personnel; and
- Inspection of the Cadia site, activities, and processes on 12,13 and 14 December 2023, with selected images taken during the site inspection included as **Appendix F**.

Kara Hatch, Newmont Senior Environmental Advisor, was the primary contact for the audit and was present during the audit field inspections completed by JBA. A list of the key documentation reviewed for the IEA is found in **Section 3.1**. The evidence that was used to determine the compliance status with respect to each condition has been documented in the tables provided in **Appendix C**, along with relevant observations, notes and recommended opportunities for improvement.

2.4 SITE INSPECTION

The site review component of the IEA was completed on 12,13 and 14 of December 2023. This review assessed all aspects of environmental management and performance of the development against the requirements of PA o6_o295 and Cadia environmental management documentation.

2.4.1 Opening Meeting

The IEA site inspection commenced with an opening meeting; attendees included Dorian Walsh (JBA), Tegan Brown (JBA) and representatives from Cadia (see **Section 2.4.3**). The briefing included clarification of the audit objectives, scope, resources required and the methodology of the IEA.

2.4.2 Site Overview and Orientation Session

An orientation session was conducted to provide JBA with a general overview of the project during the audit period, an indication of the environmental setting, near neighbours, safety and emergency requirements and known environmental issues.

2.4.3 IEA Interviews

The IEA included interviews with key Cadia personnel involved with the management and operation of the Project. The IEA interviews during the site inspection were conducted to assist with verifying the compliance status of the Project. Cadia personnel interviewed as part of the IEA included:

- David Coe (Manager – Environment & Social Performance);
- Dirk Sanderson (Superintendent – Environment);
- Luke Holley (Superintendent – Environmental Projects);
- Kara Hatch (Senior Environmental Advisor);
- David McQueeney (Senior Environmental Advisor);
- Lena Schlevogt (Senior Environmental Advisor); and
- Melissa O'Brien (Superintendent – Social Performance).

2.4.4 Focused Site Inspection

A focused site inspection was conducted as part of the site review. The purpose of the site inspection was to review specific operation and environmental aspects of the Project and to assess Cadia environmental management systems and performance in detail.

The site inspection component of the audit included field reviews by the audit specialists (see **Table 1**), assessing their specific areas of expertise.

2.4.5 Site Documentation Review

Relevant site documentation was reviewed with Newmont personnel during the site inspection interviews to verify compliance. Key documents reviewed included PA o6_o295, environmental monitoring results, correspondence with regulatory agencies, Environmental Management Plans, and procedures.

2.4.6 Follow Up Auditing

Follow up interviews and document reviews were conducted to clarify any outstanding compliance issues requiring resolution prior to inclusion in the final IEA report.

2.4.7 Exit Briefing

An exit briefing was conducted prior to JBA departure from the site. Attendees of exit briefing included Dorian Walsh, Tegan Brown, Kara Hatch, David McQueeney, Luke Holley, David Coe, Dirk Sanderson, Lena Schlevogt. The exit meeting included preliminary findings of the audit, recommendations and explanation of actions required by Newmont and by JBA to complete the audit process required under the IEA Guidelines.

2.5 AUDIT CONSULTATION

Correspondence was sent to the DPE, NRAR, RR, NSW Health, EPA, Orange City Council, Blayney Shire Council, Cabonne Shire Council, DPE Hazards Branch, DPE Water, Water NSW, DPE Division of Resources and Geoscience and Dams Safety requesting their input into the scope of the IEA. Responses from regulators are included in **Appendix D**, with comments received produced in **Table 3**.

2.6 COMPLIANCE STATUS DESCRIPTORS

The compliance status of each condition reviewed during the IEA was assessed based on evidence provided and determined in accordance with the descriptors provided in the IEA Guidelines. No other terms have been used to describe the compliance status of conditions within this IEA.

Table 3 Feedback from Regulatory Consultation

Comment	Response
Department of Planning and Environment	
In relation to agency consultation, the Department requests that as part of the IEA you consult with the following agencies: a. Relevant divisions within the Department of Planning and Environment (DPE) including: i. DPE – Division of Resources and Geoscience ii. DPE – Biodiversity, Conservation and Science Directorate iii. DPE – Water iv. DPE Hazards Branch b. Environment Protection Authority (EPA) c. Resources Regulator (RR) d. Water NSW e. Natural Resource Access Regulator (NRAR) f. Dams Safety NSW g. NSW Health h. Local Councils – Orange City Council, Blayney Shire Council and Cabonne Shire Council	Consultation was made with the agencies requested by the Department, see Appendix D.

Comment	Response
Water - Review the water balance model and surface water discharge and provide details as to whether there is a need for improvement and/or update - Review surface and groundwater, particularly the monitoring program (including the hydraulic gradient, surface and groundwater quality around the base of the CHP and monitoring and minimising leakage from the CHP towards Cadiangullong Creek), potential leakage or spillage from tailings and the Surface and Ground Water Contingency Plan - An assessment of compliance with all post approval and compliance documents, related to water, to be prepared to satisfy the conditions of the consent, including an assessment of the implementation of the relevant management plans - An assessment of whether the site water management plan is adequate - Review water access licenses and approvals to ensure compliance, and that the appropriate records and reporting is being undertaken - A review of the environmental performance of the development, including an assessment of: a. The actual impacts compared to predicted impacts for water. b. How many exceedances, notifications, non-compliances, and water complaints occurred during the audit period and how were they responded to. c. The performance of the development, having regard to agency policy - Any other water related matters considered relevant by NSW Planning	A summary of water management is discussed in Section 3.6.5, with further detail provided in Appendix C.
Air - An assessment of compliance with all post approval and compliance documents, related to air, to be prepared to satisfy the conditions of the consent, including an assessment of the implementation of the relevant management plans - An assessment of whether the management plan is adequate - A review of the environmental performance of the development, including an assessment of: a. The actual impacts compared to predicted impacts for air. b. How many exceedances, notifications, non-compliances, and air complaints occurred during the audit period and how were they responded to appropriately. c. The performance of the development, having regard to agency policy. d. Air quality criteria exceedances because of elevated dust/emissions from the TSF's and ventilation shafts. e. The air quality monitoring program and whether the monitoring locations are adequately capturing offsite emissions/impacts - Any other air related matters considered relevant by NSW Planning	A summary of air quality management is discussed in Section 3.6.3, with further detail provided in Appendix C.

Comment	Response
Noise - An assessment of compliance with all post approval and compliance documents to be prepared to satisfy the conditions of the consent, including an assessment of the implementation of the Noise Management Plan (NMP) - An assessment of whether the draft NMP is adequate, including: - Are mine monitoring locations representative of 'groups' and have the appropriate criteria been applied. - Proposed monitoring program (frequency, timing, parameters and validation). - Sound power testing program (selection of key infrastructure and enclosures, clarity around methodology). - A review of the environmental performance of the development, including an assessment of: - the actual impacts compared to predicted impacts for mine noise, road traffic noise and noise associated with dewatering facility. - How many exceedances, notifications, non-compliances and noise complaints occurred during the audit period and how were they responded to. - The performance of the development, having regard to agency policy. When have the NSW Industrial Noise Policy (2000) and Noise Policy for Industry (2017) been implemented during the audit period and were the appropriate policies used during each round of monitoring. - Any other noise related matters considered relevant by NSW Planning	A summary of noise management is discussed in Section 3.6.4, with further detail provided in and Appendix C.
Lastly, please ensure this correspondence is appended to the IEA Report	See Appendix D.
Department of Planning and Environment - Hazards	
Having review the CVO operations and the condition of consent, we aware the operation includes various dangerous goods storages and a processing facility. It also includes condition 7B and 7C in relation to the Sodium Hydrosulphide solution plant. As such, we would recommend IEA to include the following:	Note.
Verifying the status of the dangerous goods storage on-site, and whether they can comply with relevant Australian Standards	A summary of waste management is described in Section 3.6.7, with further detail provided in Appendix C.
Confirm condition 7B and 7C have been satisfied	Cadia personnel confirmed that the NaHS Solutioning Plant was not constructed, and records indicated that the allowable volume of sodium hydrosulphide on site was not exceeded during the audit period (see Appendix C).

Comment	Response
NSW Environment Protection Authority	
The EPA requests the audit focus on noise impacts and noise monitoring compliance. We would also like a check that the locations of the air quality monitors and met stations strictly comply with the Australian Standard	A summary of noise management is discussed in Section 3.6.4 , with further detail provided in and Appendix C .
We would also like a review of the moly plant in terms of:	Note only
• Odour management – sources and response	A summary of odour management is discussed in Section 3.6.3 , with further detail provided in Appendix C .
• Waste water management	A summary of water management is discussed in Section 3.6.5 , with further detail provided in Appendix C .
• Chemical storage and handling	A summary of waste management is described in Section 3.6.7 , with further detail provided in Appendix C .
• Emission monitoring and EPL requirements	A summary of air quality management is discussed in Section 3.6.3 , with further detail provided in Appendix C .
Blayney Shire Council	
As air quality has been an issue raised in the community it would be appropriate to take into consideration Air Quality conditions (probably 17, 19(a) & (b)). Also as we are getting larger quantities of waste at our landfill it may be appropriate to look at 50 (a), (b) & (d) to see what waste minimisation practices are in place	A summary of air quality management is discussed in Section 3.6.3, with further detail provided in Appendix C. Waste management performance is described in Section 3.6.7.
Air Quality Except for the land in Table 1, the Proponent shall ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the project do not cause exceedances of the criteria listed in Tables 8, 9 and 10 at any residence on privately owned land, or on more than 25% of any privately-owned land	A summary of air quality management is discussed in Section 3.6.3 , with further detail provided in Appendix C .
Operating Conditions The Proponent shall: (a) ensure any visible air pollution generated by the project is assessed regularly, and that operations are relocated, modified, and/or stopped as far as is reasonable and feasible to minimise air quality impacts on privately-owned land; (b) ensure that the real-time air quality monitoring and meteorological monitoring data are assessed regularly, and that operations are relocated, modified and/or stopped as required to ensure compliance with the relevant air quality criteria; (c) implement all reasonable and feasible measures to minimise off-site odour and fume emissions generated by the project; and	A summary of air quality management is discussed in Section 3.6.3 , with further detail provided in Appendix C .

Comment	Response
(d) implement reasonable and feasible best practice diesel emissions reduction technology for any new equipment, including 'non-road' diesel equipment used in undertaking the project. to the satisfaction of the Secretary. The Proponent must prepare an Air Quality Impact Validation Report to the satisfaction of the Secretary based on detailed construction methodology and equipment for the construction of the NTSF and STSF embankments and associated infrastructure including haulage roads and transfer of waste rock material. The Air Quality Impact Validation Report must be prepared by a suitably qualified and experienced person, whose appointment has been approved by the Secretary and be submitted to the Secretary within 3 months of approval of Modification 14	
Waste The Proponent shall: (a) minimise the waste generated by the project; (b) ensure that the waste generated by the project is appropriately stored, handled and disposed of; (c) manage on-site sewage treatment and disposal in accordance with the requirements of the applicable Council; and (d) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary	Waste management is discussed in Section 3.6.7.
NSW Resources Regulator	
The mine comprises the following titles: • ML1405 (1992) • ML1449 (1992) • ML1472 (1992) • ML1481 (1992) • ML1689 (1992) • ML1690 (1992)	Note only.
The independent audit is required to assess compliance against the relevant environmental management conditions of the mining leases up to 1 July 2022, including the mining operations plan	Rehabilitation performance during the audit period is summarised in Section 3.6.9. Further detail on rehabilitation performance and reporting under the requirements of Cadia mining authorities is included under the rehabilitation conditions of PA o6_o295 in Appendix C.
From 2 July 2022, the independent environmental audit should provide an assessment of compliance with the requirements of Schedule 8A Standard conditions of mining leases, Part 2 Standard conditions, as set out in the Mining Regulation 2016. It is noted that the 6 mining leases that comprise the Cadia Valley Operations have been approved by the Regulator to be treated as a single lease for the purposes of Part 2 of Schedule 8A	A review of the Standard conditions of Cadia mining authorities is included in Appendix C. ML 1405 was reviewed as a representative authority.
The audit should note observations where rehabilitation procedures, practices and outcomes represent best industry practice	Rehabilitation performance during the audit period is summarised in Section 3.6.9, with non-compliances and improvement recommendations provided in Sections 3.5 and 4, respectively.

Comment	Response
It would be appreciated if a copy of the final audit report could be sent to the Regulator at nswresourcesregulator@service-now.com upon completion of the audit	Newmont to complete.
Orange City Council	
Perhaps it is more relevant to provide you with a copy of the submission that Council recently made to the NSW Parliamentary Enquiry - Current and Potential Impacts of Gold, Silver, Lead and Zinc Mining on Human Health, Land, Air and Water Quality in NSW. This submission, whilst responding to a specific Charter of that Enquiry, does discuss CVO operations relating to Council.	Noted. A summary of air quality management is discussed in Section 3.6.3 , with further detail provided in Appendix C .

3. AUDIT FINDINGS

3.1 APPROVAL AND DOCUMENT LIST

Cadia documentation for the IEA was sighted during a detailed desktop review and the audit site inspection of December 2023. Approvals and documents assessed during the audit were related to:

- PA 06_0295 approval conditions;
- PA 06_0295 EIS;
- PA 06_0295 environmental management plans and procedures;
- ML 1405 conditions;
- Cadia environmental monitoring data;
- Newmont correspondence with regulatory agencies and other records of consultation relating to Cadia;
- Newmont internal communications in relation to Cadia environmental management and compliance matters;
- Response to the findings and recommendations in the previous Cadia IEA; and
- Cadia internal environmental policies and procedures.

The tables included in **Appendix C** discuss the documentation that was used to determine compliance with the conditions of PA 06_0295 assessed during the IEA.

3.2 COMPLIANCE PERFORMANCE

Table 4 provides a summary of compliance for Cadia approvals that were considered during this IEA. The compliance status of each condition was determined by reviewing all associated sub-conditions, as detailed in **Appendix C**. A summary of each identified non-compliance is provided in **Section 3.5**.

Table 4 Summary of Compliance

Document	C	NC	NT	Note	Total
PA 06_0295	39	21	22	-	82
ML 1405	1	0	3	-	4

3.3 SUMMARY OF AGENCY NOTICES AND ORDERS

Table 5 provides a summary of agency notices, orders, penalty notices and prosecutions issued during the audit period that were identified in this IEA. Further discussion regarding each notice and any follow-up actions is provided against the relevant conditions in **Table 5**.

Table 5 Summary of Notices and Orders from Regulatory Agencies

Type	Date	Summary
NSW EPA – Invitation to Show Cause	25 October 2021	The letter notes that based on investigation findings, the EPA alleges the following offence may have been committed: • Failure to comply with Section 64 of the Act - failure to comply with Condition M2 of the Licence.

Type	Date	Summary
		The letter invites Cadia to provide any reasons, in writing, why the EPA should not take regulatory action in response to the alleged offence/offences. The letter also notes that Cadia's response should also address the following information: - What was the actual percentage capture rate for each of the TEOMs during the 2020-2021 Annual Reporting Period; and - Cadia were investigating PM2.5 monitoring from vent stacks, where is this project up to and have Cadia implemented any form of stack monitoring
DPIE - Cadia Mine (MPo6_0295) Biodiversity Management Plan Staging	12 December 2021	A letter from the Department referring to Cadia's letter dated 15 December 2021 seeking approval to commence vegetation clearance in areas associated with the approved Modification 14 to the Cadia East Gold/Copper Project prior to approval of the Biodiversity Management Plan which is required under Condition 41 of Schedule 3 of the conditions of approval. The letter notes that the Squirrel Glider and Superb Parrot Threatened Species Management Strategy must be completed in consultation with the BCS (as per the existing LBMP) and approved prior to any vegetation clearance occurring between March and May. The letter also notes that the Biodiversity Management Plan (required by Condition 41 of Schedule 3) must still be submitted to the Department within 3 months of approval of Modification 14.
DPIE - Cadia Mine (MPo6_0295) Noise and Air Quality Impact Validation Reports - Extension of Time	15 March 2022	A letter that refers to Cadia's request for an extension of time to submit a Noise Impact Validation Report and Air Quality Impact Validation Report as required under Conditions 2A and 19A of Schedule 3 of the Project Approval for the Cadia Mine. The letter notes that the Secretary is not able to grant an extension of time for these validation reports.
Resource Regulator – Notice NTCE0009650	17 March 2022	Cadia received notice NTCE0009650, dated 17 March 2022 from the Resource Regulator following two site inspections, undertaken on 15 December 2021 and 21 January 2022 for ML1405 and ML1472.
DPIE - Cadia East Gold/Copper Project Temporary Trucking of Concentrate	14 April 2022	A letter which notes the Planning Secretary approves Cadia's request to temporarily utilise truck facilities between the Moorebank Intermodal and Port Kembla until Saturday 30 April 2022.
NSW EPA – Show Cause Letter	2 May 2022	EPA's Show Cause Letter (3502401) dated 2 May 2022, in relation to a dust event that occurred on 19 April 2022. The EPA alleged that Cadia may have committed offences in relation to Environment Protection Licence 5590 (EPL5590) Conditions O3.1 and U1.1.
NSW EPA – Show Cause Letter	6 June 2022	The letter notes that the EPA has investigated alleged offences under the Act and, based on the evidence obtained, believes Cadia may have committed offences at Cadia on or around 16 December 2021, 19 April 2022 and 4 May 2022. The letter alleges the following offences may have been committed: alleged breach of air quality discharge limits for Hydrogen Sulphide in schedule 4 of the Regulation, being a breach of s.128 of the POEO Act on or around 16 December 2022

Type	Date	Summary
		- alleged non-compliance with licence condition R3 being an offence under s.64 of the POEO for the failure to submit a report within seven (7) days relating to the Hydrogen sulphide incident on 16 December 2022 - alleged breach of s.129 of the POEO Act for odour emissions from the premises on 19 April 2022 - alleged non-compliance with licence condition O1.1 that occurred on or around 4 May 2022, being an offence under s.64 of the POEO Act - alleged non-compliance with licence condition O2.1 that occurred on or around 4 May 2022, being an offence under s.64 of the POEO Act. - alleged non-compliance with licence condition R2 and R3, being an offence under s.64 of the POEO Act for the failure to notify and submit reports regarding the spill at the Molybdenum Plant on or around 4 May 2022. The purpose of the letter was to invite Cadia to provide, in writing, any reasons why the EPA should not take regulatory action in response to the alleged offences, which may include issuing a penalty notice or commencing a prosecution.
Department of Planning and Environment – Dust and Odour Incident – 19 April 2022	14 June 2022	The letter refers to Cadia's incident report submitted to the department on 12 May 2022 in accordance with Schedule 5 Condition 5 of MPo6_0295 in relation to dust complaints about dust lift-off from the NTSF and STSF at Cadia Mine between approximately 8:30am to 12pm on 19 April 2022 and odour complaints in conjunction with the dust complaints. The letter notes that the department notes that the incident report was not submitted within 7 days of the incident, as required under Schedule 5 Condition 5 and this will be recorded as a non-compliance.
Department of Planning and Environment – Invitation to Show Cause	14 October 2022	A letter from DPE inviting Cadia to explain why the Department should not take action in relation to alleged offences against: - section 4.2(1)(b) of the Environmental Planning and Assessment Act 1979 (NSW) (EP&A Act) (the First Alleged Offence); and - former section 109C of the EP&A Act (the Second Alleged Offence), for failure to obtain a construction certificate for part of the Molybdenum Recovery Plant.
Department of Planning and Environment – Warning Letter	9 January 2023	Following an investigation, the department determined that Cadia committed an offence against section 4.2 (1) of the Act by carrying out development not in accordance with the conditions of development consent. The letter notes that by exceeding noise criteria Cadia committed an offence against Section 4.2(1)(b) of the Act, by carrying out development not in accordance with the requirements of Schedule 3 Condition 2 of the consent.
Department of Planning and Environment – Close Out – Noise Exceedances Aug Sept 2022	3 March 2023	Reference is made to the post approval matter, MPo6_0295-PA-131, titled Close out – Noise Exceedances-Aug-Sept 2022 and the Noise Exceedance (Warrengong) 3-month Review Report prepared by Advitech Pty Ltd, submitted to the department on 1 March 2023.

Type	Date	Summary
		The letter notes the department reviewed the documents and notes that the report concluded that the combined attended and unattended monitoring results for the 3-month period 24 September to 24 December 2022) indicated that mine noise was audible in receiving environments to the east of the mine, but mining noise contributions were evaluated at levels below the NIAC (compliant) in all cases.
Department of Planning and Environment – Cadia East Project - (MPo6_0295) Interim Validation Reports	23 March 2023	A letter that refers to Cadia's letter dated Friday 10 March 2023 providing an interim Noise Impact Validation Report and Air Quality Impact Validation Report to partially satisfy Conditions 2A and 19A of Schedule 3 of the Cadia East Project Approval. The letter notes that the Department understands that Cadia are providing preliminary noise and air quality validation reports for works located in Work Areas 1 to 7, proposed to occur between March 2023 and July 2023. The letter also notes the Department understands that as Cadia are still determining construction information for the Northern Tailings Storage Facility (NTSF) repair works, that final validation reports for construction works commencing in August 2023 will be provided to the Department by 11 August 2023. The Department carefully reviewed the validation reports and granted conditional approval for the proposed works in Work Areas 1 to 7 as described in your letter, to occur during day-time hours only.
Department of Planning and Environment – Cadia East Project (MPo6_0295) – Request for Additional Information	11 April 2023	A letter that refers to the Department's letter to Cadia and requirements of the Cadia East Project Approval in relation to the Independent Air Quality Audit Report, required under condition 6A of Schedule 2 of the approval (letter dated 1 November 2022). The letter notes that In addition to the Department's previously required investigations into air quality management and mitigation measures and the recommendations of the Audit, the Department requires further information. The Department requested that this information be provided to the Department by 6 June 2023.
Department of Planning and Environment - Notice to Furnish Information and Records	20 July 2023	The notice from DPE requesting Cadia to provide information and records in relation to the Departments investigation of whether there has been compliance with or contravention of section 4.2(1)(b) of the Act. The notice requests that Cadia provide the information and records identified in the Notice no later than 5pm on Friday 4 August 2023, or otherwise agreed by the Secretary prior to the due date.
Department of Planning and Environment - Cadia Mine - Non-Compliance with Groundwater Management Plan	10 November 2023	A letter from DPE in relation to a non-compliance notification with the Groundwater Management Plan (WMP), which was submitted to the NSW Department of Planning and Environment (NSW Planning) on 3 November 2023. The letter notes the notification reported that redundant groundwater bores, identified as MW1, MW2, MW3 and MW4, were erroneously listed in the WMP for monthly monitoring and as a result they were not included in the monitoring schedule October 2023. The letter also notes that NSW Planning has carefully reviewed the non-compliance and, on this occasion, has determined to record the matter with no further enforcement action to be taken. The

Type	Date	Summary
		Department considered that the non-compliance was attributed to an administrative error in the groundwater monitoring plan (dated 22 September 2023), included in Revision 8.2 of the WMP. The letter requests that the redundant Groundwater Bores, identified as MW₁, MW₂, MW₃ and MW₄, are removed from the groundwater monitoring plan as part of the upcoming amendment to WMP and the revised WMP is to be submitted to NSW Planning, via the major project's website by no later Friday 15 December 2023.

3.4 ACTIONS FROM PREVIOUS AUDIT

A summary of the actions arising from the previous PA o6_o295 IEA is provided in **Table 6**. Actions that have not been completed at the time of this audit have been retained in **Section 3.5** and **Section 4** below.

3.5 NON-COMPLIANCES DURING THE AUDIT PERIOD

Table 7 lists the non-compliances identified during the audit period. Recommendations made in relation to these non-compliances are provided in **Section 4**, with further context provided in **Appendix C**.

Table 6 Status of Actions Arising from Previous IEA

Previous IEA Ref	Previous IEA Findings	Cadia Proposed Completion Date	2023 IEA Status
PA o6_o295 Non-Compliances & Recommendations			
Schedule 2, Condition 1	Non-compliance No. 1 – During the audit period Cadia has not adequately implemented 'all' reasonable and feasible measures to prevent and/or minimise any harm to the environment that may result from the operation of the project, specifically in relation to the minimisation of dust emissions from the surface of Tailings Storage Facilities and from ore processing activities. Recommendation No. 1 – As defined against Project Approval Schedule 3, Conditions 17 and 19 in this audit report.	N/A	A review of Cadia records and inspection of the project site found that reasonable and feasible controls are in place to minimise dust emissions from the Tailings Storage Facilities and ore processing facilities.
Schedule 2, Condition 4	Non-compliance No. 2 – As of November 2020: In relation to the Independent Environmental Audit in 2017, Cadia was not able to comply with the reasonable requirement of the Secretary to respond to a request regarding the 2017	30 June 2021	The Secretary has not made any written directions in relation to 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.

Previous IEA Ref	Previous IEA Findings	Cadia Proposed Completion Date	2023 IEA Status
	Independent Environmental Audit by 25 January 2018; and In relation to the Official Caution of 28 February 2020 regarding the Cadiangullong Dam Water Extraction, it is acknowledged that work has commenced and technical challenges have been experienced, however, Cadia had not implemented the action to link the level sensor to the site's central process control system by 20 April 2020 as committed to by Cadia. Recommendation No. 2 – Cadia should ensure a system is in place to be able to comply with the timeframes of reasonable requirements of the Secretary.		
Schedule 2, Condition 14	Non-compliance No. 3 – No evidence was obtained to verify that Cadia sought or obtained agreement of the Secretary during the audit period, to prepare management plan revisions without undertaking consultation with all parties under the applicable condition of this consent. Recommendation No. 3 – Cadia should formalise existing processes to ensure that environmental management plan revisions are conducted in consultation with all parties under the applicable condition of this Project Approval and that any consultation undertaken be stated in each plan. Similarly, if agreement was obtained from the Secretary not to undertake consultation with all parties, then this should also be included in the plan.	30 April 2021	Consultation undertaken during the preparation of PA 06_0295 management plans is described in the approved management documents, with tables provided to summarise revisions completed.
Schedule 3, Condition 2	Non-compliance No. 4 – During the audit period, even though mitigation was offered and completed at affected properties and no noise complaints were received, Cadia exceeded the	Ongoing as required	Exceedances of PA 06_0295 project noise impact assessment criteria were recorded at various locations during audit period monitoring events (see Appendix C).

Previous IEA Ref	Previous IEA Findings	Cadia Proposed Completion Date	2023 IEA Status
	noise impact assessment criteria defined in Project Approval Schedule 3, Table 2: Noise Impact Assessment Criteria dB(A) LAeq (15min) as follows: - On 38 occasions from August 2019 to May 2020; - On 21 occasions from July 2018 to June 2019; - On 86 occasions from July 2017 to June 2018, relating to either aircraft noise during aerial dust suppression activities (x82) or trains in the vicinity of the CVO Dewatering Facility (x4); and - in June 2019, relating to container handling activities contributing noise levels above the LA_{1,1} minute criteria during the night period at the 247 Newbridge Road monitoring location, resulting in a marginal exceedance of the Sleep Disturbance criteria. Recommendation No. 4 – Where reasonable and feasible, Cadia should continue to implement additional noise abatement projects and controls to improve levels of compliance with Project Approval Schedule 3, Table 2: Noise Impact Assessment Criteria dB(A) LAeq (15min). and/or have this condition reassessed within a future Project Approval Modification.		Recommendations in relation to traffic noise management are provided in Section 4.
Schedule 3, Condition 5	Non-compliance No. 5 – During the audit period, CVO was unable to demonstrate compliance with the required Project Approval Schedule 3, Table 5: Traffic Noise Impact Assessment Criteria dB(A) during 2019/20 on both monitoring occasions, during 2018/19 on one occasion, and during 2017/18 on one occasion. It is acknowledged that during the audit period, Cadia investigated, discussed mitigation options and completed several mitigation measures and initiatives with	Ongoing as required	Numerous exceedances of PA 06_0295 traffic noise impact criteria were recorded at various locations during audit period monitoring events (see Appendix C). Records indicate that Cadia have continued to consult with impacted landholders over the exceedances and the installation of at-residence noise mitigation works.

Previous IEA Ref	Previous IEA Findings	Cadia Proposed Completion Date	2023 IEA Status
	some affected landowners. Three properties that have not had mitigation works are a result of the landowners not proceeding with the recommended works and discussions are ongoing Recommendation No. 5 – It is acknowledged that few additional opportunities exist to reduce traffic noise generated by the project. Mitigation of traffic noise affected properties is the most favourable solution and is required when requested by affected landowners.		
	Non-compliance No. 6 – During the audit period (2017-2020), Cadia exceeded the 24 hour 50 µg/m³ for PM₁₀ limit in Project Approval Schedule 3, Table 9: Short term impact assessment criterion for particulate matter, on 15 separate occasions (i.e. these exceedances were attributed to the operation of the CVO mine and related activities). Recommendation No. 6 – To comply with limits defined in Project Approval Schedule 3, Tables 8, 9 and 10, and to reduce the number and frequency of complaints from landowners, additional controls should be progressed and completed to minimise fugitive dust emissions from the surface of the TSFs and from ore processing (i.e. crushers, conveyors, ore stockpile etc). This is inclusive of completing the remaining 50% of projects defined in its 24-month dust abatement works for ore processing.	30 June 2021	No exceedances of 24-hour PM₁₀ criteria were recorded during the audit period. Recommendations in relation to air quality improvements during the audit period are provided in Section 4.
Schedule 3, Condition 19	Non-compliance No. 7 – During the audit, Cadia was unable to demonstrate that it diligently controls and minimises fugitive dust emissions from ore processing (i.e. crushers, conveyors, ore stockpile etc). There was minimal evidence that: a) operators are reporting excessive dust; b) dust sprays and sprinklers are being used as	30 June 2021	Cadia records and the audit site inspection found that management controls were generally being implemented to minimise visible dust emissions (see Appendix C).

Previous IEA Ref	Previous IEA Findings	Cadia Proposed Completion Date	2023 IEA Status
	required to minimise dust emissions; and c) the water sprayed/applied to conveyors and transfer points is sufficient for the volume of dry ore being handled (i.e. as a means of minimising air quality impacts on privately-owned land). Recommendation No. 7 – See Recommendation No. 6 against Project Approval Schedule 3, Condition 17 – Air Quality – Impact Assessment Criteria		
Schedule 3, Condition 27	Non-compliance No. 8 – On three occasions during the audit period, riparian releases/flows from Cadiangullong Dam did not comply with the criteria and water release requirements defined in Project Approval Schedule 3, Condition 27 (a) Recommendation No. 8 – More diligent monitoring and provision of flow data is required to be demonstrated by Cadia to ensure that minimum flows within Oak Creek downstream are maintained at all times. This could be achieved by revising the method of measuring and determining compliance to reduce the effects of the variables that can impact on meeting this condition.	30 June 2021	Cadia have made improvements in this space, in response to the previous audit finding, setting up a web-based dashboard which shows real-time water flow data trends. One instance of noncompliance with the minimum flows required under Schedule 3, Condition 27(a) was recorded for approximately four days between 4-8 June 2021 (Cadia Annual Environmental Management Report FY21).
Schedule 3, Condition 39	Non-compliance No. 9 – Notwithstanding continued efforts by Cadia to make suitable arrangements to provide long term security for the offset areas to the satisfaction of the Secretary, these arrangements had not been finalised at the date of this November 2020 audit. Recommendation No. 9 – Cadia should continue efforts to make suitable arrangements to provide long term security for the offset areas to the satisfaction of the Secretary.	31 December 2021	Arrangements for the long term security of biodiversity offset areas had not been approved by DPE at the time of audit. A summary of Cadia's consultation with regulatory agencies during the audit period on this matter is included in Appendix C. This is also noted as a non-compliance is noted in Section 3.5.
Schedule 3, Condition 47	Non-compliance No. 10 – Based on a site inspection on 10th November 2020, it was evident that the provision for vegetative	30 August 2021	A review of the Cadia Dewatering Facility Landscape Plan found that a review of the document is required

Previous IEA Ref	Previous IEA Findings	Cadia Proposed Completion Date	2023 IEA Status
	screening to minimise the visual impacts on adjacent receivers had not been fully implemented according to the approved Landscape Plan (Cadia Valley Operations – Sealink Concentrate Filtration & Handling Facility – Newbridge Road – Blayney Figure 2 – Proposed Landscaping Plan, 2.09.2019) for the CVO Dewatering Facility. Recommendation No. 10 – Cadia should fully implement the Landscape Plan for the CVO Dewatering Facility in accordance with Project Approval Schedule 3, Condition 47.		to reflect the current status of vegetation screens. Recommendations in relation to the implementation of the plan are provided in Section 4.
Schedule 3, Condition 49	Non-compliance No. 11 – It was evident that Cadia is implementing measures to mitigate lighting impacts, however: - in relation to paragraph (b) of this condition, Cadia were not able to ensure no outdoor lights shone above the horizontal as Cadia received 4 fugitive lighting complaints during the audit period, the nature of which, suggest this paragraph was not satisfied; and - in relation to paragraph (c) of this condition, no evidence was able to be provided at the time of this audit that all external lighting associated with the project complies with Australian Standard AS4282 (INT) 1997 – Control of Obtrusive Effects of Outdoor Lighting. Recommendation No. 11 – Cadia should ensure that the finalised Fugitive Lighting Management Plan is implemented.	31 May 2021	Sighted copy of Fugitive Lighting Management Plan 710-005-EN-PLA-0016 dated 16 August 2021 Revision 1 during the IEA. Cadia records and site inspections completed during the audit found that the procedures of the plan were generally being implemented for fixed and mobile lighting sources.
Schedule 3, Condition 50	Non-compliance No. 12 – In relation to paragraph (b) of this condition, tailings generated by the Project was not appropriately stored with a slump of the southern wall of the NTSF (9th	Pending approval of Modification 14, no further action required.	PA 06_0295 was determined on 13 December 2021. Cadia has continued to remediate the failed sections of tailings storage facilities during the audit period.

Previous IEA Ref	Previous IEA Findings	Cadia Proposed Completion Date	2023 IEA Status
	March 2018) constructed to store and hold the tailings. Recommendation No. 12 – It is recommended that Cadia appropriately stores the tailings produced by the Project by ensuring the structural integrity of the walls of the tailings dams.		

Table 7 IEA Non-Compliances

Ref	Non-Compliance
PA o6_o295	
Schedule 2, Condition 2(b)	Non-compliances (NC) with PA o6_o295 conditions were identified during this IEA.
Schedule 2, Condition 9	Cadia did not acquire a construction certificate for part of the Molybdenum Recovery Plant.
Schedule 3, Condition 2	Exceedances of PA noise criteria were recorded at various monitoring locations during the audit period, including at: - Rosebank, Warrengong and Northwest due to dust-suppression aircraft in November/December 2021 and February 2023; - Warrengong, due to VR14-1 incident response mobile plant; and - Newbridge Rd, Hollywood and Athol in various months due to CDF train movements. Monitoring data indicate a significant percentage of CDF train movements result in exceedances of PA noise criteria at these three receivers.
Schedule 3, Condition 2A	The Noise Impact Validation Report (NIVR) for construction of the NTSF and STSF was not lodged with DPE within three months of the approval of Modification 14 (i.e. by April 2022).
Schedule 3, Condition 5	Exceedances of project traffic noise impact criteria were recorded during the audit period, as noted in Cadia consultant monitoring reports and Annual Reviews (AR's).
Schedule 3, Condition 8(c)	The 2021 and 2022 AR's do not describe noise investigations or the effectiveness of noise improvements.
Schedule 3, Condition 19A	The Air Quality Impact Validation Report (AQIVR) was not submitted within three months of the approval of Modification 14 (i.e. by April 2022).
Schedule 3, Condition 23	During the audit period there have been the three reported incidents of non-compliance where water discharge from the site occurred, including: - Non-compliant water discharge to Cadiangullong Creek on 19-21 January 2021 due to a burst pipe, as reported in 2021 AR; - Blayney Return Water Leak in which approximately 30L of return water spilled from return water air valve into a contained drain alongside Cadia road on 20 September 2022 (reported in the 2023 AR). - October - November 2022 incident breached the Environmental Protection Licence (EPL), due to heavy rainfall a significant volume of surface water runoff from the overland flows adjacent to the CDF stormwater management system. Subsequently, the CDF stormwater collection pond overflowed to an adjacent unnamed watercourse.

Ref	Non-Compliance
Schedule 3, Condition 27(a), 29	One instance of noncompliance with the minimum flow from Cadiangullong Dam for approximately four days between 4-8 June 2021.
Schedule 3, Condition 27(a)	Monthly streamflow reporting was not available on Cadia's website for several months during the audit period.
Schedule 3, Condition 32	Evidence to confirm the management of some site sediment dams in accordance with Landcom (2004) and the WMP was not available at the time of audit.
Schedule 3, Condition 35(d)	The WMP does not include an explicit definition of the protocol for providing warning of water supply issues and water supply response measures.
Schedule 3, Condition 35A	Between January and March 2023, there was a failure to collect routine groundwater and surface water samples in accordance with the Groundwater Monitoring Program.
Schedule 3, Condition 36(f)	The 2020 Rehabilitation Strategy does not include a conceptual final landform and rehabilitation plan.
Schedule 3, Condition 36(g)	The 2020 Rehabilitation Strategy does not include a life of mine rehabilitation and mining schedule which outlines key progressive rehabilitation milestones from the commencement of operations through to decommissioning and mine closure.
Schedule 3, Condition 36(h)	The 2020 Rehabilitation Strategy does not provide details for managing and minimising any adverse socio-economic effects associated with mine closure.
Schedule 3, Condition 37(b)	Two Section 240 Notices [under the Mining Act] and been provided to Cadia during the audit period relating to rehabilitation performance not trending towards appropriate completion criteria
Schedule 3, Condition 39	Arrangements for the long term security of biodiversity offset areas had not been approved by DPE at the time of audit.
Schedule 3, Condition 41B	The RMP does not outline strategies for protecting vegetation outside of approved disturbance areas.
Schedule 4, Condition 2	Records were not available at the time of audit to demonstrate that relevant landholders, tenants and DPE were notified of exceedances of PA o6_o295 air quality and noise impact assessment criteria within the required timeframe.
Schedule 5, Condition 1(b)	Section 2.9 of the Environmental Management Strategy (EMS) notes that the Cadia Senior Leadership Team complete a quarterly review of the site 'Environment and Social Performance Scorecard', which was not undertaken during the audit period.
Schedule 5, Condition 2(a), (f)	There was no comparison provided for Depositional Dust Gauge (DDG) monitoring results against previous years within the audit period AR's.
Schedule 5, Condition 3(a) – (d)	Evidence was not available at the time of audit to confirm that internal reviews of management documents were being undertaken by Cadia to identify whether changes were required following the submission of 2020 and 2022 AR's and incident reports. Several management plans that required revision were not updated within three months of the approval of PA o6_o295 Modification 14.
Schedule 5, Condition 9	Copies of the Air Quality Monitoring Program and the CVO Dewatering Facility Landscape Plan were not available on the Cadia website at the time of the audit.

3.6 ENVIRONMENTAL PERFORMANCE

3.6.1 Site Inspection Summary

The site inspection of 12 to 14 December 2023 included a review of the PA o6_o295 project site, as shown on **Figure 1**. Selected images taken during the site inspection are included as **Appendix F**.

Areas viewed during the site inspection included:

- Ore Treatment and processing;
- Maintenance workshop;
- Chemical storage area;
- Molybdenum Plant;
- Selected environmental monitoring locations, including for air quality, noise, water and rehabilitation;
- Selected Cadia water management structures;
- Northern Tailings Storage Facility (NTSF);
- Southern Tailings Storage Facility (STSF);
- Cadia Cemetery; and
- Cadia Cornish Engine House.

3.6.2 Environmental Management Documents

The adequacy of PA o6_o295 environmental management documents for the Project and the implementation of these plans was reviewed as a component of this IEA. PA o6_o295 management plans reviewed included the approved Aboriginal Cultural Heritage Management Plan, Air Quality Monitoring Program, Blast Monitoring Program, Cadia Dewatering Facility Water Management Plan, EMS, Historical Heritage Management Plan, Noise Monitoring Program, Land and Biodiversity Management Plan, Offsite Traffic Management Plan, Rehabilitation Management Plan, Water Management Plan, Pollution Incident Response Management Plan and Rehabilitation Strategy.

In general, the review of environmental documentation found that Newmont is operating to a good level of compliance with the environmental systems and procedures under PA o6_o295. However, it is noted that a number of management plans were in review at the time of the IEA, to align the documents with the contemporary requirements of PA o6_o295 (Modification 14) and were yet to be approved by the Secretary. A number of the recommendations made in relation to PA o6_o295 management plans as part of the audit process were related to this inconsistency (see **Table 7**). It is recommended that Cadia continue to engage with DPE to gain the timely approval of the new and updated management documents that meet the requirements of PA o6_o295 (Modification 14) and allow contemporary management and mitigation actions to be implemented.

3.6.3 Air Quality

During the audit period Cadia operated in accordance with the approved Air Quality Monitoring Program (AQMP) with a draft Air Quality and Greenhouse Gas Management Plan (AQGHGMP) awaiting approval. The site inspection during the IEA noted effective dust management. Evidence was seen of water trucks being used and low vehicle speeds enforced to reduce dust. While some visible dust was observed at the VR8 ventilation shaft and in close proximity to the ore processing plant during high wind conditions, no visible dust was observed beyond the boundary of the site on privately-owned land, and overall dust emissions from the site appear to be well managed.

During the IEA site inspection, weak odours were observed within the boundary of the Molybdenum Plant. No odours were observed beyond the site boundary or at other locations within the site. A number of processes are in place to limit the potential for odour generation (e.g. close monitoring of process ORP pH). These processes are outlined in the Molybdenum Plant Air Quality and Odour Management Plan. In addition, a number of H₂S monitors have been installed surrounding the Molybdenum Plant, with real-time data available to the plant operators.

The site inspection found that effective air quality control measures were generally being implemented to minimise impact risk. Water carts were seen during the site inspection being used and vehicle speed limits enforced to reduce dust levels, see **Appendix F**. However, some visible dust was sighted as a result of the VR8 ventilation shaft and in close proximity to the ore processing plant during high wind conditions and during clearing activities within the subsidence management zone. No visible dust was sighted beyond the project boundary on privately owned land.

No requests for acquisition were received during the audit period.

3.6.4 Noise Management

During the reporting period, Cadia operated in accordance with the approved Noise Monitoring Program with a draft Noise Management Plan awaiting approval. Buses are used to transport staff to and from population centres to minimise traffic noise. No requests for acquisition were received during the audit period.

Reasonable and feasible noise mitigation measures have generally been implemented at Cadia to ensure that the project noise does not exceed operational impact assessment criteria. However, a high number of exceedances of project traffic noise criteria continued to be recorded during the audit period (as noted in Cadia reporting), despite several improvements being made to reduce traffic noise contributions from the site workforce. Given that additional controls to minimise traffic noise may not be feasible, it is recommended that Cadia continue to liaise with impacted landholders regarding traffic noise monitoring results and the establishment of at-residence noise mitigation works.

Noise non-compliances identified during the audit period are described in **Section 3.5**, with recommendations described in **Section 4**.

3.6.5 Water Management

Cadia operates in accordance with the approved Water Management Plan (WMP). A copy of the WMP was sighted during the IEA, which outlines the licenced discharge points in accordance with EPL 5590. It is noted that during the audit period there were three reported incidents of non-compliance where discharge from the site occurred.

The WMP contains the required contents including a site water balance, erosion and sediment control plan, surface water monitoring program, groundwater monitoring program, and a surface and groundwater contingency plan. A description of the non-compliances against the WMP are included in **Table 7**.

As part of the Surface Water and Groundwater Monitoring Program, Stream gauging stations are calibrated and verified on a regular (quarterly) basis by ALS. Recommendations have been made for the Surface Water and Ground Water Monitoring Program in **Section 4**.

It is noted that there are systems in place to manage flow releases from Cadiangullong Dam in accordance with the minimum flows required by the consent. Cadia has created an internal online platform to view water monitoring data. Non-compliances in regard to Cadiangullong Creek Flows is detailed in **Section 3.5**.

AR's were submitted annually during the audit period, which reports on monitoring results for water quality, water performance measures, any trends in monitoring data, any discrepancies between the predicted and actual impacts and what measures will be implemented over the next year to improve the environmental performance of the project.

3.6.6 Operation of Plant and Equipment

Schedule 2, Condition 12 of PA o6_o295 requires all plant and equipment used at the site is maintained in a proper and efficient condition. Examples of Cadia maintenance records were sighted including task records, service history spreadsheets and Standard Work Instructions.

Condition 12 of PA o6_o295 also requires all plant and equipment used at the site is operated in a proper and efficient manner. Examples of Cadia management documents and records for equipment operations were

reviewed including safe work procedures, trainee attendance records and evidence of 'My Learning' system that records completed training and competencies for site personnel.

3.6.7 Waste Management

Schedule 3, Condition 50 of PA o6_o295 requires Newmont to minimise generated waste by the project and ensure that it is appropriately stored, handled and disposed of. A copy of the Waste Management Plan was sighted during the IEA which notes that all general waste bins are hand-sorted by the Polpure team (site waste contractor). This generally means that any recyclable items, such as plastic water bottles, plastic containers, aluminium cans, paper and cardboard are recovered from general waste. The document also notes that reusable items, such as ropes, rubber mats and buckets are also hand-picked from general waste to be reused.

Segregated skip bins were sighted at the time of the site inspection for general waste, recycling and scrap steel. Waste spill response kits were also found to be commonly available on site at the time of inspection (see **Appendix F**).

During the site inspection, some improvement opportunities for the layout and drainage of the workshop hydrocarbon storage area were identified to reduce the potential for hydrocarbon spills within this area (see **Table 8**).

3.6.8 Aboriginal Heritage

Schedule 3, Condition 42 of PA o6_o295 requires Newmont to prepare and implement an Aboriginal Cultural Heritage Management Plan for the project to the satisfaction of the Secretary. A copy of the approved Aboriginal Cultural Heritage Management Plan including a protocol for the ongoing consultation and involvement of the Aboriginal communities in the conservation and management of Aboriginal cultural heritage on the site was sighted during the IEA. Records of meetings with OLALC during the audit period were also sighted.

The potential for impacts to heritage items was also noted as being considered during the completion of Environmental Impact Permits within approved disturbance areas.

3.6.9 Rehabilitation

The site is operating under the approved Rehabilitation Strategy and Rehabilitation Management Plan. Cadia personnel communicated that there was limited rehabilitation available during the IEA period. Remediation and buttressing work are being undertaken on the TSF in response to an earlier failure noted in the previous, with limited rehabilitation establishment undertaken in other areas during the audit period. Several opportunities for Newmont to review and strengthen programs for rehabilitation monitoring and maintenance during the audit period were identified, to assist in progressing existing rehabilitation areas to meet nominated performance goals. A description of the non-compliances identified against rehabilitation management are included in **Table 7**.

3.6.10 Environmental Incidents

Audit period AR's provide summaries of incidents that occurred each calendar year and actions taken to rectify the issues identified. Incidents that occurred during the audit period were generally reported and investigated in accordance with PA o6_o295 requirements.

3.6.11 Environmental Complaints

Newmont operate a toll-free number 24 hours a day, any day of the year where community members can speak with a community relations officer.

Environmental complaints received during the audit period included:

- One in 2020 (from 13 November 2020);

- 28 in 2021;
- 41 in 2022; and
- 30 in 2023 (to 13 December 2023).

Of the complaints received during the audit period, the majority were in relation to dust issues. A number of complaints during the audit period were also related to driving behaviour of Cadia personnel on public roads. A decrease in dust complaints occurred during the 2022 Financial Year as Cadia increased its focus on dust management and mitigation programs.

Each AR for the audit period includes a summary of community complaints received and the Cadia complaints register on the Newmont website records the actions that were taken in response to each complaint.

4. RECOMMENDATIONS

A summary of the non-compliances with Cadia's licences and approvals identified during the audit period is provided in **Table 7**. Recommendations made to respond to these non-compliances, as well as opportunities identified to improve Cadia's general environmental performance, are provided in **Table 8**.

Table 8 IEA Recommendations

Ref	Recommendation Description
PA 06_0295	
Schedule 2, Condition 9	It is recommended that Cadia implement a process to obtain construction and occupation certificates for future buildings and structures to be developed for the project.
Schedule 3, Condition 2	It is recommended that Cadia manage noise generated by the development to ensure that the project does not exceed the noise impact assessment criteria in Table 2 of PA 06_0295 at any residence on privately-owned land.
Schedule 3, Condition 2A	It is recommended that Cadia continue to consult with DPE to gain approval for the NIVR.
Schedule 3, Condition 5	It is recommended that reasonable and feasible measures to minimise traffic noise are described in the draft Noise Management Plan and implemented to ensure that the traffic noise generated by the project does not exceed the traffic noise impact assessment criteria in Table 5 of PA 06_0295.
Schedule 3, Condition 8(a)	It is recommended that general reasonable and feasible noise controls applied during site operations are described in the draft Noise Management Plan being prepared to address the requirements of PA 06_0295 Modification 14. It is also recommended that Cadia consider: - Adjusting alarm levels to correlate with receiver noise levels/criteria so alarms reflect imminent/actual criteria exceedances at receivers; - Connecting noise monitors near the Cadia Dewatering Facility to real time monitoring system; and - Optimising user interface to make the system more efficient/useful to operations staff in responding to operational noise levels.
Schedule 3, Condition 8(c)	It is recommended that future AR's continue to report on any noise investigations and the implementation of any investigation findings, as was documented in Section 10.5 of the 2023 AR.
Schedule 3, Condition 9(a), 9A	It is recommended that Cadia continue to liaise closely with regulatory agencies to gain approval for the Noise Management Plan required for Modification 14.
Schedule 3, Condition 9(b) – (d)	It is recommended that the Noise Management Plan required for Modification 14 includes a description of: - A site noise TARP; - Measures to minimise traffic noise; - Proactive and reactive noise management systems; - Details on noise mitigation and management measures adopted to minimise project noise; and - The process to validate real time noise monitoring results with attended monitoring data.

Ref	Recommendation Description
Schedule 3, Condition 17	It is recommended that: 1. Cadia review internal procedures to ensure that all compliance air quality monitoring (inclusive of collection, analysis and reporting) (i.e. not monitoring performed for management purposes) is completed in accordance with relevant Australian Standards listed in the site EPL. 2. The siting of all monitoring stations be reviewed against the requirements of AS/NZS 3580.1.1 and where possible, monitors moved to ensure compliance (e.g. Woodville monitors should be moved away from the nearby solar panel structure if possible) (see Plate 23 of Appendix F). 3. All air quality monitor calibrations / calibration checks and maintenance should be completed at the frequency required by the relevant Standard / manufacturer guidance.
Schedule 3, Condition 17	It is also recommended that: 1. The siting of all DDG should be reviewed against the requirements of AS/NZS 3580.1.1 and documented. 2. To ensure appropriate measures could be put in place to avoid an exceedance of annual average criteria, it is recommended that significantly elevated DDG results are reviewed immediately (rather than the end of the year). 3. If the review of elevated DDG results finds that a sample was contaminated, the result should be marked as invalid with justification provided and excluded from the annual average calculation. 4. The environmental monitoring manual is reviewed at the frequency stated in the manual (every two years). The version provided refers to obsolete version of AS/NZS 3580.1.1. 5. The chain of custody for air quality monitoring should state that the samples are to be analysed in accordance with AS 3580.10.1. 6. The chain of custody for air quality monitoring should include a sampling start date. 7. Request for sample bottles should include reference to AS 3580.10.1 to ensure provided bottles include appropriate algicide (or site-specific justification to note that algicide is not required). The Air Quality Monitoring Program references AS 3580.10.1:2003; and 8. Certificates of analysis should be reviewed to ensure there are no errors. The example certificate of analysis provided (CA2302949) appears to have an error relating to the sample duration for DG15A and DG17 (58 days rather than 28). It is not clear if this has affected calculation of deposition rates. It is noted that this improvement has been made since the IEA site visit. Sighted a copy of an updated Certificate of Analysis (CA2302949) record dated 29/02/24 that has the sample duration of 28 days.
Schedule 3, Condition 19	It is recommended that Cadia continues to consult with DPE regarding the reasonable and feasible best practice diesel emissions reduction technology that will be applied for any new equipment on site and document the measures that will be applied in the Cadia Diesel Emissions Management document or the AQGHGMP.
Schedule 3, Condition 19A	It is recommended that Cadia continue to consult with DPE to gain approval for the AQIVR.
Schedule 3, Condition 20, 20A	It is recommended that Cadia continue to liaise closely with regulatory agencies to gain approval for the AQGHGMP required for Modification 14.
Schedule 3, Condition 25	It was noted that the baseflow relationship with Belubula is not explicit or clear in the WMP. As a general improvement observation, it is recommended that Cadia describe this relationship in the WMP.

Ref	Recommendation Description
Schedule 3, Condition 27(a), 29	It is recommended that Cadia upload the missing streamflow reporting to their website.
Schedule 3, Condition 27(b)	It is recommended that Cadia should consult with DPE Water to better understand the intent of achieving up to four medium flows and the ideal seasonal timing to better meet environmental objectives.
Schedule 3, Condition 28	It is recommended that Cadia include explicit reporting against Schedule 3, Condition 28 in future AR's.
Schedule 3, Condition 29	It is recommended that the annual reporting of flows against Condition 29 could be improved for ease of interpretation: - The scaling on the graph of Flyers Ck Flows should continue to be logged on the y (discharge) axis; and - The text needs to match the chart, for example a chart showing extraction and accompanied by text stating no extraction in the annual reporting is contradictory.
Schedule 3, Condition 31	It is recommended that Cadia to keep records of how the water balance has been updated; describing the methodology for updates and calibration to demonstrate continuous improvement and compliance with obligations.
Schedule 3, Condition 31	It is also recommended that Cadia should consider potential improvements made to the GoldSim calibration and modelling.
Schedule 3, Condition 31(a)	It is recommended that Cadia complete updated surveys of site sediment structures to ensure compliance with the WMP.
Schedule 3, Condition 31(a)	It is recommended that the Surface Water and Groundwater Monitoring Program is updated to refer to the monitoring undertaken upstream and downstream of where the Cadiangullong Creek discharge into the Belubula River in the baseline monitoring data.
Schedule 3, Condition 34(a)	It is recommended that during the next update of the Surface Water and Groundwater Monitoring Program, Cadia include references to the relevant privately-owned bores and the review process required to be undertaken as part of each AR.
Schedule 3, Condition 34(d)	It is recommended that Cadia include explicit description of the protocol for advance warning of water supply issues and water supply response measures for privately owned land in the WMP.
Schedule 3, Condition 35A	It is recommended that Cadia review their internal procedures to ensure water monitoring is undertaken in accordance with the WMP.
Schedule 3, Condition 35B	It is recommended that Cadia submit results of the water management design review to the Secretary for review as soon as feasible. It is also recommended that CVO commit to the AR including details of any dams that Condition 35B(a) relates to and confirming their capacity and permeability specifications and validation.
Schedule 3, Condition 35B(b)	It is recommended that Cadia specify and summarise the design parameters in the WMP, to demonstrate how they are meeting Schedule 3, Condition 35B(b).
Schedule 3, Condition 35B(d), (e)	It is recommended that Cadia specify the minimum freeboard for tailings storages and sediment dams in the WMP.
Schedule 3, Condition 36(a)	It is recommended that the updated Rehabilitation Strategy document consider the requirements of Schedule 3, Condition 41B (for the site Rehabilitation Management Plan (RMP)) and the requirements of the <i>Mining Act 1992</i> to align the two documents and avoid potential inconsistencies.
Schedule 3, Condition 36(f)	It is recommended that the Rehabilitation Strategy is revised to include a conceptual final landform and rehabilitation plan.

Ref	Recommendation Description
Schedule 3, Condition 36(g)	It is recommended that once approved, Cadia operates in accordance with the updated version of the Rehabilitation Strategy which includes a conceptual life of mine rehabilitation and closure schedule for Cadia.
Schedule 3, Condition 36(h)	It is recommended that once approved, Cadia operates in accordance with the updated version of the Rehabilitation Strategy which details measures for managing and minimising any adverse socio-economic effects associated with mine closure.
Schedule 3, Condition 37(b)	It is recommended that Cadia implement the actions agreed with Resources Regulator and update the RMP and internal procedures to ensure a program is in place to track ongoing rehabilitation performance.
Schedule 3, Condition 38(a)	It is recommended that Cadia implement an internal process that records land and biodiversity monitoring and management works for the site biodiversity offsets against the actions identified in the LBMP.
Schedule 3, Condition 39	It is recommended that Cadia continue to liaise closely with the relevant agencies to secure the biodiversity offsets for the project in the long term.
Schedule 3, Condition 41(a), 41A	It is recommended that Cadia continue to liaise closely with the relevant agencies to gain approval of the Biodiversity Management Plan required for Modification 14.
Schedule 3, Condition 41(a)	It is recommended that Cadia undertake boundary fence inspections on an annual basis and document any actions required in future AR's.
Schedule 3, Condition 41B(d)	It is recommended that the RMP is reviewed and updated to include reference to Cadia EIP procedures that are implemented for the protection of vegetation located outside of approved disturbance areas.
Schedule 3, Condition 41B(d)	It is recommended that the RMP is reviewed and updated to refer to measures to be implemented to address direct and indirect rehabilitation risks to creeks and drainage lines on site.
Schedule 3, Condition 43(b)	It is recommended that references to the Te Anau Homestead site are updated at the next revision of the Historical Heritage Management Plan to reflect the demolition of the site that was completed during the audit period.
Schedule 3, Condition 47(b)	It is recommended that Cadia update their website so that the CVO Dewatering Facility Landscape Plan is publicly available, in accordance with Schedule 4, Condition 9. It is also recommended that Cadia review, and if required, update the CVO Dewatering Facility Landscape Plan following the next round of infill plantings.
Schedule 3, Condition 50(b)	It is recommended that Cadia complete a review the waste management controls in place for the workshop hydrocarbon storage area and implement additional controls that can be reasonably be applied. It is also recommended that workshop and mill personnel receive regular refreshers in hydrocarbon spill response.
Schedule 4, Condition 2	It is recommended that Cadia develop and implement a procedure to notify relevant landholders, tenants and DPE within two weeks of receiving monitoring results that show an exceedance of PA o6_o295 impact assessment criteria.
Schedule 5, Condition 1(a)	It is recommended that Section 2.9 of the EMS is updated at the next revision of the document to refer to the contemporary internal review process used by Cadia to assess site environmental management and performance.
Schedule 5, Condition 1(f)	It is recommended that the references to Cadia policies, standards and management plans are reviewed and updated at the next revision of the EMS, to ensure they reflect current site documentation.
Schedule 5, Condition 2(b)	It is recommended that a comparison of results against previous monitoring data is provided for DDG results in future AR's.

Ref	Recommendation Description
Schedule 5, Condition 2(c)	It is recommended that Condition 2(c) is included in the summary table of requirements in the next AR.
Schedule 5, Condition 3(a)	It is recommended that Cadia put an administrative process in place to ensure management documentation is reviewed within three months of the events identified in Schedule 5, Condition 3 of PA06_0295.
Schedule 5, Condition 5	It is recommended that Cadia implement a process to verify that records and actions (e.g. non-compliance notifications) are being captured consistently between Borealis and CHESS.
Schedule 5, Condition 9(a), (b)	It is recommended that the Cadia website is checked on a regular basis to ensure all approved strategies, plans and programs required under the conditions of approval are publicly available.

APPENDIX A
ENDORSEMENT OF IEA TEAM

Our ref: MP06_0295-PA-161
Mr David Coe
NEWCREST MINING LIMITED
1460 Cadia Road
Orange New South Wales 2800
28/09/2023

Sent via the Major Projects Portal only

Subject: Cadia Mine - IEA Auditor Approval Request

Dear Mr Coe

Reference is made to your post approval matter, MP06_0295-PA-161, submitted to NSW Department of Planning and Environment (**NSW Planning**) on 27 September 2023, seeking the Planning Secretary's approval of suitably qualified, experienced, and independent audit team to conduct an Independent Environment Audit as required by Schedule 5 Condition 7A for the Cadia Mine Project MP06_0295, as modified (**Consent**) and the *Independent Audit Post Approval Requirements (2020)* (**IAPAR**).

NSW Planning has reviewed the request seeking approval of the independent environment audit team and based on the information provided is satisfied that the James Bailey and Associates team, consisting of lead auditor Dorian Walsh and Tegan Brown supporting, are qualified and independent to lead the independent environmental audit and prepare an audit report.

However, as nominee of the Planning Secretary, given the complexity and issues at the Project, I am not satisfied Dorian Walsh and Tegan Brown have the technical skills, knowledge or experience to specifically audit the following areas, being air, noise and water.

Therefore, in accordance with Schedule 2 Condition 4(a), following a review of the request seeking approval of the independent environment audit team, I make the following written direction:

1. The audit must also include a technical specialist(s) in the following fields of air, water and noise.
2. The audit must not commence until the proposed technical specialist has been agreed to in writing by the Planning Secretary.
3. Technical specialists must be able to demonstrate in writing their competence, based on formal qualifications and relevant experience in the industry of the project. The application must include:

- a. the curriculum vitae of the proposed auditor and any proposed audit team members, which must include details of how the competence requirements detailed in Section 3.1.1 of the IAPAR are met; and
 - b. a written declaration from the proposed auditor and any proposed audit team members establishing how they meet the independence requirements detailed at Section 3.1.2 of the IAPAR.
4. Technical specialists with audit experience are preferable. The technical specialist is required to provide technical advice to the lead auditor and their findings should be presented in a consolidated audit report.
5. The Planning Secretary's agreement to the proposed technical specialist must be appended to the Independent Audit Report.

Please note the independent environmental audit is not to commence until such time approval has been granted in relation to the written direction above, in which you are required to seek technical specialist(s) in the following fields of air, water and noise. Please ensure your request, seeking the Planning Secretary's approval of the technical specialist, along with any supporting documentation, is submitted via the major project's website.

In accordance with Schedule 5 Condition 7A of the Consent and the IAPAR, I approve the appointment the following audit team below, to lead the Independent Environmental Audit and prepare the audit report, in the following capacity only:

1. Dorian Walsh as the lead auditor; and
2. Tegan Brown supporting the lead auditor.

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

The Independent Audit must be prepared, undertaken, and finalised in accordance with the conditions of Consent and the IAPAR. Failure to meet these requirements will require revision and resubmission.

NSW Planning reserves the right to request an alternate auditor or audit team for future audits.

Notwithstanding the endorsement of the above independent audit team for the project, each respective project approval or consent requires a request for endorsement of the independent auditor or audit team be submitted to NSW Planning, for consideration of the Planning Secretary. Each request is reviewed and depending on the complexity of future projects, the suitability of a proposed auditor or audit team will be considered.

Should you wish to discuss the matter further, please contact Jennifer Rowe, (Senior Compliance Officer) on 0242471851 or email compliance@planning.nsw.gov.au

Yours sincerely

A handwritten signature in black ink, appearing to read "K. O'Reilly", enclosed in a thin black rectangular border.

Katrina O'Reilly
Team Leader - Compliance
Compliance
As nominee of the Planning Secretary

Our ref: MP06_0295-PA-162

Mr David Coe
NEWCREST MINING LIMITED
1460 Cadia Road
Orange New South Wales 2800
25/10/2023

Sent via the Major Projects Portal only.

Subject: Cadia Mine - IEA Technical Specialist Approval Request

Dear Mr Coe

Reference is made to your post approval matter, MP06_0295-PA-162, submitted to the NSW Department of Planning and Environment (**NSW Planning**) on 19 October 2023, seeking the Planning Secretary's approval of technical specialists to assist in conducting the Independent Environmental Audit (**IEA**) for the Cadia Mine Project MP06_0295 as modified (**Consent**).

NSW Planning has reviewed the request and based on the information provided is satisfied that the proposed technical specialists are suitably qualified and independent to assist with the IEA required under Schedule 5 Condition 7 of the Consent.

Therefore, in accordance with Schedule 5 Condition 7A of the Consent and the *Independent Audit Post Approval Requirements (2020) (IAPAR)*, I approve the appointment the following technical specialists, to provide technical advice to the lead auditor and report their findings in the audit report, in the following capacity:

1. Mr Ali Naghizadeh- SLR Consulting Australia – Air
2. Mr Neal Albert – Alluvium Consulting – Water
3. Mr Mark Leslie Bridges – Bridges Acoustics - Noise

Please ensure this correspondence is appended to the IEA Report. NSW Planning reserves the right to request an alternate auditor and/or audit team for future audits.

Lastly, as part of the IEA process, please ensure prior to commencing the audit, that the audit team consults with NSW Planning to obtain input into the scope of the audit.

Should you wish to discuss the matter further, please contact Jennifer Rowe, (Senior Compliance Officer) on 0242471851 or email compliance@planning.nsw.gov.au

Yours sincerely

A handwritten signature in black ink, appearing to read "K. O'Reilly".

Katrina O'Reilly
Team Leader - Compliance
Compliance

As nominee of the Planning Secretary

APPENDIX B

IEA DECLARATION

Independent Environmental Audit Report Declaration		
Project Name:	Cadia Valley Operations	
Consent No.:	PA 06_0295	
Description of Project:	Independent Environmental Audit	
Project Address:	1460 Cadia Road, Orange NSW 2800	
Proponent	Newcrest Mining Limited	
Proponent Address:	Level 8, 600 St. Kilda Road, Melbourne VIC 3004	
Title of Audit:	Cadia Valley Operations Independent Environmental Audit	
Date:	27/09/2023	
Declaration	I declare that I will undertake the Independent Environmental Audit (IEA), prepare the contents of the IEA Report and to the best of my knowledge: i. The IEA will be conducted in accordance with the NSW Department of Planning and Environment (DPE) 2020 'Independent Audit Post Approval Requirements'; ii. the findings of the audit will be reported truthfully, accurately and completely; iii. I will exercise due diligence and professional judgement in conducting the audit; iv. I will act professionally, objectively and in an unbiased manner; v. 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; vi. 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; vii. neither I nor my employer have provided consultancy services for the audited project that is subject to this audit except as otherwise declared to the Department prior to the audit; and viii. 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 <i>Environmental Planning and Assessment Act 1979</i> 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 <i>Crimes Act 1900</i> 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 Auditors:	Dorian Walsh	Tegan Brown
Signature:		
Auditor Qualification	Auditor for Environmental Management, EMS and Compliance Audits. Dorian Walsh: Exemplar Global No. 201881	
Company:	James Bailey & Associates	
Company Address:	6/127-129 John Street, Singleton NSW 2330	

APPENDIX C

IEA COMPLIANCE TABLES

Table C1 PA o6_o295

Cond	Project Approval o6_o295	Status	Evidence
SCHEDULE 2: ADMINISTRATIVE CONDITIONS			
OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT			
1.	The Proponent shall implement all reasonable and feasible measures to prevent and/or minimise any harm to the environment that may result from the construction, operation, or rehabilitation of the project.	C	A review of Cadia records and inspection of the project site found that reasonable and feasible controls are in place to minimise the potential for potential harm to the environment from site operations. Comments on Cadia environmental controls are provided under the relevant conditions below.
TERMS OF APPROVAL			
2.	The Proponent shall carry out the project: (a) generally in accordance with the EA;	C	Cadia operations during the audit period were undertaken generally in accordance with the EA. Findings and recommendations in relation to comparisons with EA predictions are provided against the relevant conditions below.
	(b) in accordance with the conditions of this approval; and	NC	Non-compliances (NC) with PA o6_o295 conditions were identified during this IEA. Findings and recommendations in relation to each non-compliance are provided against the relevant conditions below.
	(c) in accordance with any written directions of the Secretary.	C	DC (pers comms) confirmed that there was an DPE investigation ongoing at the time of audit regarding the siting of ventilation fans. See Schedule 2, Condition 2 above.
	<i>Note: The general layout of the project is shown in Appendix 2.</i>	NT	Note only
3.	If there is any inconsistency between the above documents, the most recent document shall prevail to the extent of the inconsistency. However, the conditions of this approval shall prevail to the extent of any inconsistency.	C	DC (pers comms) confirmed no inconsistencies were identified during the audit period.

Cond	Project Approval o6_o295	Status	Evidence
4.	Consistent with the requirements of this approval, the Secretary may make written directions to the Proponent in relation to: (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	NT	DC (pers comms) confirmed the Secretary has not made any written directions in relation to 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.
	(b) the implementation of any actions or measures contained in any such document referred to in condition 4(a).	NT	DC (pers comms) confirmed the Secretary has not made any written directions regarding the implementation of any actions or measures contained in documents referred to in Schedule 2, Condition 4(a).
LIMITS ON APPROVAL			
5.	Mining operations may take place until 30 June 2031.	C	The audit period is within the timeframe approved for site mining operations.
	<i>Note: Under this approval, the Proponent is required to rehabilitate the site and perform additional undertakings to the satisfaction of the Secretary and MEG. Consequently this approval will continue to apply in all other respects other than the right to conduct mining operations until the site has been properly rehabilitated.</i>	NT	Note only.
6.	The Proponent shall not process more than 32 million tonnes of ore from the project in a calendar year, or the alternative maximum of 35 million tonnes of ore is approved as varied by condition 6A.	C	Sighted breakdown of ore processing during the audit period, by calendar year. Ref: Cadia 'Mill Throughput Jan20 to Dec23' document which shows Ore volumes during the audit period were: 2020: 31,485,372 t; 2021: 27,337,766 t; 2022: 30,043,249 t; and 2023: 28,735,560 t.
6A.	A maximum of 35 million tonnes of ore from the project in a calendar year may be processed on-site, subject to the Proponent commissioning an independent air quality audit report to the satisfaction of the Secretary. The independent audit report must:	NT	Sighted copy of Zephyr Environmental Independent Air Quality Report dated 11 August 2022. Section 1.1 of the report notes that Zephyr

Cond	Project Approval o6_o295	Status	Evidence
	(a) be prepared in accordance with the Independent Environmental Audit requirements in Schedule 5 of this approval; and		was approved by the Planning Secretary of the DPE to perform the audit of Condition 6A. Viewed letter from Newcrest to DPE dated 11 August 2022 submitting the Zephyr Environmental audit report and Cadia's response to audit findings. It is noted that the Zephyr report had not been approved by DPE at the time of audit.
	(b) describe details and scheduling of all reasonable and feasible best practice measures that are being implemented for managing and minimising off-site air quality impacts of the project, particularly from NTSF, STSF, and ventilations shafts.	NT	Section 5 of the Zephyr Environmental Independent Air Quality Report dated 11 August 2022 describes details and scheduling of best practice measures that are being implemented for managing and minimising off-site air quality impacts of the project, particularly from NTSF, STSF, and ventilations shafts. DM (pers comms) noted that Cadia installed underground scrubbers in May 2023.
7.	The Proponent shall not use any cyanide or mercury to process or extract gold/copper from the project.	C	Sighted Cadia ChemAlert Stock Register dated 13 November 2023, which that does not include cyanide or mercury. Sighted copy of Concentrator 1 T3 Flotation Learner Guide dated 10 September 2020 which does not mention the use of cyanide or mercury. Sighted copy of Concentrator 2 Flotation Learner Guide dated 10 September 2020 which does not mention the use of cyanide or mercury. LH (pers comms) confirmed that cyanide or mercury is not used on site to process or extract gold/copper from the project.
7A.	The Proponent must only construct the NTSF and STSF using the centreline or downstream lift construction methodology, unless otherwise agreed by the Secretary.	NT	LH (pers comms) confirmed that neither facility was under construction during the audit period.
7B.	Prior to construction of the NaHS Solutioning Plant, the Proponent must conduct a Hazard and Operability Study, prepared by a suitably qualified, experienced and independent person. The study	NT	LH (pers comms) confirmed the NaHS Solutioning Plant has not been constructed.

Cond	Project Approval o6_o295	Status	Evidence
	must be consistent with the Department's <i>Hazardous Industry Planning Advisory Paper No.8 'HAZOP Guidelines'</i> . Construction of the NaHS Solutioning Plant must not occur until study recommendations have been considered and, where appropriate, acted upon, to the satisfaction of the Secretary.		
7C.	The storage of sodium hydrosulphide flakes on-site must not exceed 63 tonnes.	C	Sighted email from Newmont Final Product Superintendent dated 10 January 2024 which notes that no sodium hydrosulphate flakes are stored on site.
SURRENDER OF CONSENTS			
8.	Within 12 months of the date of this approval, or as otherwise agreed by the Secretary , the Proponent shall surrender all existing development consents for the project in accordance with section 4.63 of the EP&A Act, to the satisfaction of the Secretary .	C	Deemed compliant in previous IEA.
	<i>Note: This approval will apply to all components of the Cadia Valley Operations from the date of approval. The existing management and monitoring plans/strategies/programs/protocols for the project will continue to apply until the approval of the comparable plan/strategy/program under this approval.</i>	Note only	Noted.
STRUCTURAL ADEQUACY			
9.	The Proponent shall ensure that all new buildings and structures, and any alterations or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the BCA.	NC	Sighted copy of Notice of Determination of Building Information Certificate Application from Blayney Shire Council for the partially constructed Molybdenum Process Plant with the date of inspection the 25 September 2020. Sighted copy of Mackenzie Group Construction Certificate dated 16 December 2020, No. 201207/01 for the construction of the Cadia Molybdenum processing facility and associated services and utilities. Sighted copy of construction certificate dated 9 April 2021, No. 210642/01 for the Cadia East Project, including the: Cadia East underground mine; Cadia Hill open cut mine; Ridgeway underground mine; Blayney and CVO Dewatering Facilities; and ancillary infrastructure, together known as the Cadia

Cond	Project Approval o6_o295	Status	Evidence
			Valley Operations. DM (pers comms) confirmed that there has been correspondence with DPE in relation to the Moly plant having no occupation certificate. Sighted copy of Cadia Valley Operations Molybdenum Recovery Plant Response to DPE Invitation to Show Cause Letter dated 26 October 2022 for failure to obtain a construction certificate for part of the Molybdenum Recovery Plant. Sighted DPE email dated 27 September 2022 which notes the Cadia Mine – Molybdenum Plant post approval document in relation to the Cadia East Gold/Copper Production has been received by DPE. Sighted DPE email dated 10 October 2022 which acknowledges receipt of the Cadia letter and documentation regarding the Molybdenum Plant certificates on 27 September 2022 and that the Department will be forwarding additional correspondence. Sighted copy of Cadia letter addressed to the DPE, dated 4 October 2022. The letter notes that Cadia did not obtain a construction certificate before commencing the construction of some elements of the Molybdenum Recovery Plant. The letter notes a construction certificate cannot be obtained after construction commences and if a construction certificate is not obtained before the commencement of construction, then an occupation certificate cannot be obtained for that building/structure. Sighted copy of DPE letter Show Cause – Molybdenum Recovery Plant letter dated 14 October 2022, which notes Cadia provided

Cond	Project Approval o6_o295	Status	Evidence
			evidence to the Department in September 2022 that a CC and OC had been granted for the Molybdenum Recovery Plant – namely the: Switchroom building at lock-up stage, demountable office building installed on site, filtration building – footings and slab poured, steel tanks installed and structural steel for plant nearing completion. The letter notes having considered information and the evidence, the department reasonably considers that Cadia has failed to comply with the conditions of PA o6_o295 and section 109C of the EP&A Act. Sighted copy of DPE Penalty Notice dated 6 December 2022. The letter notes DPE have formed the opinion that Cadia has committed an offence against Section 81A of the Act by commencing building work for part of the Molybdenum Recovery Plant without a Construction Certificate. The letter enclosed a Penalty Notice in the amount of \$6,000. It is recommended that Cadia implement a process to obtain construction and occupation certificates for future buildings and structures to be developed for the project.
	<i>Notes:</i> - Under <i>Part 6</i> of the EP&A Act, the Proponent is required to obtain construction and occupation certificates for the proposed building works; - Part 8 of the EP&A Regulation sets out the requirements for the certification of the project.	Note only	Noted.
DEMOLITION			
10.	The Proponent shall ensure that all demolition work is carried out in accordance with AS 2601-2001: <i>The Demolition of Structures</i> , or its latest version.	C	Sighted copy of Ozark <i>Site Visit Memorandum Te Anau Homestead and Outbuildings</i> dated 20 October 2023. The OzArk memo notes Ozark was commissioned to monitor the demolition of Te Anau Homestead and Outbuildings and

Cond	Project Approval o6_o295	Status	Evidence
			document potential heritage items. Sighted copy of SEE Group Construction Methodology Te Anau House – Asbestos / Demolition and Removal Works document ref 1157-1 Cadia. Sighted copy of Envirowest Consulting Clearance Certificates dated 10 October and 16 October 2023 documenting asbestos material removed from site during Te Anu House demolition works. Sighted copy of <i>Load Sheet Record – TeAnu House Demolition</i> which records load date, depart time, truck rego, half or full load, material and destination of demolition waste. Sighted copy of <i>Te Anau Demolition – Environmental Impact Permit Compliance Report</i> (EIP Report) issued as compliance evidence, revision 3, prepared by Cadia Integrated Tailings Project Environment Lead. Section 5 of the EIP report states that the demolition work was undertaken in accordance with AS 2601-2001. CF (pers comms) confirmed that no further demolition works were undertaken during the audit period.
PROTECTION OF PUBLIC INFRASTRUCTURE			
11.	The Proponent shall: (a) repair, or pay the full costs associated with repairing, any publicly-owned infrastructure that is damaged by the project; and	C	LH (pers comms) confirmed that maintenance work has been undertaken on sections of the local road network impacted by Cadia-related traffic during the audit period. Sighted copy of Keeden Contracting Pty Ltd Cadia Access Road Intersection Asphalt Works Quality Report and Test Plan, signed off by Council Supervisor on 28/04/23. Sighted Bypass Road Repairs Handover of

Cond	Project Approval o6_o295	Status	Evidence
			Sections F-I to Blayney Shire Council letter dated 14 November 2023. The letter notes that Sections F-I are located on Errowanbang Road and have now been completed in accordance with the agreed Scope of Works as part of the 23-002 Bypass Road Repairs Project. Sighted copy of Bypass Road Repairs – Handover of Sections J-O to Blayney Shire Council letter dated 1 December 2023. The letter notes that sections J-O which are located on Errowanbang Road and had been completed in accordance with the agreed Scope of Work as part of the 23-002 Bypass Road Repairs Project. Sighted copy of Newcrest letter <i>Cadia Road Repairs – Moly Plant Intersection Handover to Blayney Shire Council</i> dated 12 May 2023. The letter requests handover of control of the Cadia Rd Moly Plant Intersection to BSC as the Moly Plant Intersection restoration works had been completed.
	(b) relocate, or pay the full costs associated with relocating, any publicly-owned infrastructure that needs to be relocated as a result of the project, except where such works have been compensated through the planning agreement referred to in condition 13 below.	NT	DC (pers comms) confirmed that there has been no relocation of public infrastructure during the audit period.
OPERATION OF PLANT AND EQUIPMENT			
12.	The Proponent shall ensure that all plant and equipment used at the site is: (a) maintained in a proper and efficient condition; and	C	Servicing bays inside the Cadia workshop for heavy and light vehicles were inspected during the site inspection (see Plate 11 and Plate 12 of Appendix F). Both areas were well maintained, with controls in place to manage waste and potentially hazardous substances. Sighted examples of Cadia maintenance records, including: Standard Work Instruction document no.

Cond	Project Approval o6_o295	Status	Evidence
			710-231-ME-SWI-0077 for Dust Extractor Pipe Clean DE2005. - Task Record – Caterpillar R3000H Loader 1000 Hour QCO PM Service work order number 14851128. - Task Record – Caterpillar R3000H Loader 500 Hour QCO PM Service work order number 15146695. - Copy of Work Order Number 15661141 that includes: - R3000H Caterpillar 330HR ELV Service earliest scheduled start date 21 August 2023; - R3000H RF Comms PM Service earliest scheduled start date 21 August 2023; - R3000H MPM PM Service earliest scheduled start date 21 August 2023. - Copy of LD120 – PM Service history 2021 – 2023 spreadsheet including: - R3000H PM 250Hr Service required by the 6 December 2021; - R3000H PM 500Hr Service required by 23 December 2021; - R3000H PM 250Hr Service required by 11 September 2022; - R3000H PM 250Hr Service required by 19 December 2022; and - R3000H PM 1000Hr Service required by 20 February 2023.
	(b) operated in a proper and efficient manner.	C	Reviewed examples of Cadia management documents and records for equipment operations, including: Copy of Practical Assessment Operate Water

Cond	Project Approval o6_o295	Status	Evidence
			Truck template revision 2, dated 17 May 2022. • Copy of CVO Safe Work Procedure Primary Ventilation Failure template document no. 730-200-MN-SWP-0024 • Copy of CVO Safe Work Procedure Underground Traffic Management template document no 730-200-MN-SWP-0026. • Copy of CVO Safe Work Procedure Water Truck Operations dated 1 August 2021 and signed off by trainee and assessor. • Screenshot of My Learning system that records completed training and competencies. Training records include: – Driver permit offsite & admin area practical – final dated 31 March 2023, deemed competent; – Level 1 Isolation Assessment dated 29 June 2023, deemed competent; and – Light Vehicle Load Restraint Practical dated 16 May 2023, deemed competent. • Copy of Trainee Attendance Record dated 22 December 2021 for Water Truck Operations, which was signed off by employees. KH (pers comms) confirmed that all Cadia employee training records are stored within the Learning Management System (LMS). Each employee is assigned with relevant training and once complete, competency records are attached to their LMS profile.
PLANNING AGREEMENT			
13.	Within 12 months of the date of this approval, unless otherwise agreed by the Secretary , the Proponent shall enter into a planning agreement with the Councils in accordance with Division 7 of	C	Viewed tax invoices for Planning Agreement payments sent to Cadia by Orange City, Blayney

Cond	Project Approval o6_o295	Status	Evidence
	Part 7 of the EP&A Act, that provide for contributions to the Councils for: • upgrade of Council's road infrastructure affected by the project; and • general community enhancement to address social amenity and community infrastructure requirements arising from the project.		and Cabonne Councils during the audit period and Cadia records of payment from SAP.
	The contributions shall be generally consistent with the terms of the offer made in the Proponent's letter dated 17 December 2009, and summarised in Appendix 7. If there is any dispute between the Proponent and any of the Councils during the formal drafting of the planning agreement, then any of the parties involved may refer the matter to the Secretary for resolution.	C	No disputes were referred to DPE during the formal drafting of the Planning Agreement.
STAGED SUBMISSION OF STRATEGIES, PLANS OR PROGRAMS			
14.	With the approval of the Secretary, the Proponent may: (a) submit any strategy, plan or program required by this consent on a progressive basis; and	NT	LH (pers comms) confirmed that no strategy, plan or program has been staged during the audit period.
	(b) combine any strategy, plan or program required by this consent with any similar strategy, plan or program required for the Cadia East Project. To ensure these strategies, plans or programs are updated on a regular basis, the Proponent may at any time submit revised strategies, plans or programs to the Secretary for approval. With the agreement of the Secretary, the Proponent may prepare any revised strategy, plan or program without undertaking consultation with all parties under the applicable condition of this consent.	NT	LH (pers comms) confirmed that no strategy, plan or program has been combined during the audit period
	Notes: • While any strategy, plan or program may be submitted on a progressive basis, the Proponent will need to ensure that the existing operations on site are covered by suitable strategies, plans or programs at all times. • If the submission of any strategy, plan or program is to be staged, then the relevant strategy, plan or program must clearly describe the specific stage to which the strategy, plan or program applies, the relationship of this stage to any future stages, and the trigger for updating the strategy, plan or program.	Note only	Noted.
SCHEDULE 3: ENVIRONMENTAL PERFORMANCE CONDITIONS			

Cond	Project Approval o6_o295	Status	Evidence
ACQUISITION OF AFFECTED PROPERTIES			
Acquisition Upon Request			
1.	Upon receiving a written request for acquisition from the owner of the land listed in Table 1, the Proponent shall acquire the land in accordance with the procedures in conditions 5-7 of schedule 4.	NT	LH (pers comms) confirmed that there have been no requests for acquisition during the audit period.
	<i>Table 1: Land subject to acquisition upon request</i> MC & PA Ewens		
	<i>Note: To interpret the location referred to in Table 1, see the applicable figure in Appendix 2.</i>	Note only	Noted.
NOISE			
Impact Assessment Criteria			
2.	The Proponent shall ensure that the noise generated by the project does not exceed the noise impact assessment criteria in Table 2 at any residence on privately-owned land or on more than 25 per cent of any privately-owned land.	NC	Reviewed Cadia 2021 and 2022 ARs, and copies of Cadia consultant's attended and unattended monitoring reports to November 2023. Exceedances of PA noise criteria were recorded at various monitoring locations during the audit period, including at: - Rosebank, Warrengong and Northwest due to dust-suppression aircraft in November/December 2021 and February 2023; - Warrengong, due to VR14-1 incident response mobile plant; and - Newbridge Rd, Hollwood and Athol in various months due to CDF train movements. Monitoring data indicate a significant percentage of CDF train movements result in exceedances of PA noise criteria at these three receivers. Sighted copy of Noise Exceedance Investigation Warrengong report dated 9 November 2022.

Cond	Project Approval o6_o295	Status	Evidence
			The report notes that Advitech was engaged by Cadia to undertake further assessment of an exceedance that was identified during routine noise monitoring at the Warrengong monitoring location on 1 August 2022. It is noted that this event was reported in the monthly assessment of unattended noise monitoring data for August 2022. Sighted copy of Noise Exceedance Investigation Warrengong report dated 9 November 2022. Advitech was engaged by Cadia to undertake further assessment of an exceedance that was observed during routine noise monitoring at the Warrengong monitoring location on the night of 23 and 24 September 2022. It is noted that this event was reported in the monthly assessment of unattended noise monitoring data for September 2022. It is recommended that Cadia manage noise generated by the development to ensure that the project does not exceed the noise impact assessment criteria in Table 2 of PA o6_o295 at any residence on privately-owned land.

Cond	Project Approval o6_o295	Status	Evidence																																																																						
	Table 2: Noise Impact Assessment Criteria dB(A) L_{day} (15min) <table><thead><tr><th>Location</th><th>Day</th><th>Evening</th><th>Night</th><th>Night (LA1 (1 min))</th></tr></thead><tbody><tr><td colspan="5">Mining Operations</td></tr><tr><td>41-CW Knox ('Meribah'), 43-CJ Healey ('Triangle Park'), 138-AC & A Bailey ('Mayburies'), 45-CC Colman ('Mirrabooka'), 246-CK Channell and KP & DV Donlan ('Eastburn'), 208-JI McLennan ('Northwest'), 171-GA Knox ('South Log')</td><td>43</td><td>38</td><td>38</td><td>45</td></tr><tr><td>1-GT & JA Christou ('Coorabin'), 137-MP & LA Ellis ('Argyle'), 169-RL & SL Chamberlain ('Weemalla')</td><td>43</td><td>38</td><td>37</td><td>45</td></tr><tr><td>44-AR Colman ('Triangle Flat'), 105-KA Hughes ('Barton Park'), 133-LC & LR Baker ('Bonnie Glen')</td><td>43</td><td>38</td><td>36</td><td>45</td></tr><tr><td>Other privately owned land</td><td>43</td><td>38</td><td>35</td><td>45</td></tr><tr><td colspan="5">CVO Dewatering Facility</td></tr><tr><td>MC & PA Ewens</td><td>50</td><td>42</td><td>42</td><td>45</td></tr><tr><td>GP Nixon & Sons</td><td>43</td><td>35</td><td>35</td><td>45</td></tr><tr><td>D Palmer</td><td>40</td><td>39</td><td>35</td><td>45</td></tr><tr><td>H Tetlaw</td><td>40</td><td>36</td><td>35</td><td>45</td></tr><tr><td>ML Gardner</td><td>40</td><td>35</td><td>35</td><td>45</td></tr><tr><td>GJ Keen</td><td>39</td><td>35</td><td>35</td><td>45</td></tr><tr><td>D Somerville</td><td>38</td><td>38</td><td>35</td><td>45</td></tr></tbody></table>	Location	Day	Evening	Night	Night (LA1 (1 min))	Mining Operations					41-CW Knox ('Meribah'), 43-CJ Healey ('Triangle Park'), 138-AC & A Bailey ('Mayburies'), 45-CC Colman ('Mirrabooka'), 246-CK Channell and KP & DV Donlan ('Eastburn'), 208-JI McLennan ('Northwest'), 171-GA Knox ('South Log')	43	38	38	45	1-GT & JA Christou ('Coorabin'), 137-MP & LA Ellis ('Argyle'), 169-RL & SL Chamberlain ('Weemalla')	43	38	37	45	44-AR Colman ('Triangle Flat'), 105-KA Hughes ('Barton Park'), 133-LC & LR Baker ('Bonnie Glen')	43	38	36	45	Other privately owned land	43	38	35	45	CVO Dewatering Facility					MC & PA Ewens	50	42	42	45	GP Nixon & Sons	43	35	35	45	D Palmer	40	39	35	45	H Tetlaw	40	36	35	45	ML Gardner	40	35	35	45	GJ Keen	39	35	35	45	D Somerville	38	38	35	45		
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	Notes: - To interpret the locations referred to Tables 2-5, see the applicable figures in Appendices 2 and 4. - Noise generated by the project is to be measured in accordance with the relevant requirements, and exemptions (including certain meteorological conditions), of the <i>Noise Policy for Industry (NSW EPA, 2017)</i>, or its latest version. - The noise limits do not apply if the Proponent has an agreement with the relevant owner/s of these residences/land to generate higher noise levels, and the Proponent has advised the Department in writing of the terms of this agreement. - Noise associated with the mining operations may exceed the night time limits in Table 2 at Property 22 – JL Gill by 1 decibel during construction of the Cadia East mine.	C	Noise monitoring Consultant’s reports have assessed weather conditions reported by Cadia’s weather station during compliance monitoring and determined whether such conditions are within the ‘valid’ range defined in the NPI.																																																																						
2A.	The Proponent must prepare a Noise Impact Validation Report to the satisfaction of the Secretary based on detailed construction methodology and equipment for the construction of the NTSF and STSF embankments and associated infrastructure including haulage roads and transfer of waste rock material. The Noise Impact Validation Report must be prepared by a suitably qualified and experienced person, whose appointment has been approved by the Secretary and be submitted to the Secretary within 3 months of approval of Modification 14.	NC	The Noise Impact Validation Report (NIVR) for construction of the NTSF and STSF was not lodged with DPE within three months of the approval of Modification 14 (i.e. by April 2022). Sighted copy of Cadia letter addressed to DPE dated 9/03/22 seeking an extension for the																																																																						

Cond	Project Approval o6_o295	Status	Evidence
			submission of the required Noise Impact Validation Report (NIVR) to 28 March 2022. The letter notes that draft modelling has been completed following finalising the proposed fleet for the TSF construction fleet in February. Sighted Cadia letter dated 10 March 2023 addressed to the Department which notes as agreed in December 2022 Cadia have prepared an initial Noise Impact Validation Report on the basis of the confirmed construction information for the work associated with first stages of planned upgrades to the tailings storage facilities until end July 2023. The letter notes that the modelling undertaken for the validation report shows that the modelled activities comply with the respective project approval criteria. The letter notes that Cadia will prepare and submit a supplementary Noise Impact Validation Report on 11 August 2023 for the period from August 2023 onwards for the final fleet configuration. Sighted copy of Cadia Response to Invitation to Show Cause letter from DPE dated 16 December 2022. The DPE letter notes that Cadia is yet to submit a Noise Validation Report as required by Condition 2A of Schedule 3. The letter notes that on 9 March 2022 Cadia sought an extension of time to provide the report but was informed by the Department that the Secretary is unable to grant an extension because an extension is not permitted by Condition 2A. The letter notes that Cadia expects to be in a position to submit a report in relation to work in August 2023. Sighted Cadia letter dated 16 August 2023 addressed to the Department which refers to the Department's comments following its review of the RWDI Supplementary NIVR (dated 4 August

Cond	Project Approval o6_o295	Status	Evidence																																
			2023) and supplied a reconciliation table which responds to each of the Departments comments received via emails dated 25 and 27 July 2023. It is recommended that Cadia continue to consult with DPE to gain approval for the NIVR.																																
Land Acquisition Criteria																																			
3.	If the noise generated by the project exceeds the criteria in Table 3 at any residence on privately-owned land or on more than 25 per cent of any privately-owned land, the Proponent shall, upon receiving a written request for acquisition from the landowner, acquire the land in accordance with the procedures in conditions 5-7 of schedule 4.	NT	LH (pers comms) confirmed that there has been no acquisition requests during audit period																																
	<i>Table 3: Land acquisition criteria dB(A) L_{max} (15min)</i> <table> <tr> <th>Location</th><th>Day</th><th>Evening</th><th>Night</th></tr> <tr> <td colspan="4">Mining Operations</td></tr> <tr> <td>All privately-owned land</td><td>43</td><td>43</td><td>40</td></tr> <tr> <td colspan="4">CVO Dewatering Facility</td></tr> <tr> <td>D Palmer</td><td>45</td><td>44</td><td>40</td></tr> <tr> <td>H Tetlaw</td><td>45</td><td>41</td><td>40</td></tr> <tr> <td>GP Nixon & Sons, ML Gardner, GJ Keen</td><td>44</td><td>40</td><td>40</td></tr> <tr> <td>D Somerville</td><td>43</td><td>43</td><td>40</td></tr> </table>	Location	Day	Evening	Night	Mining Operations				All privately-owned land	43	43	40	CVO Dewatering Facility				D Palmer	45	44	40	H Tetlaw	45	41	40	GP Nixon & Sons, ML Gardner, GJ Keen	44	40	40	D Somerville	43	43	40		
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Cumulative Noise Criteria																																			
4.	The Proponent shall implement all reasonable and feasible measures to ensure that the noise generated by the project combined with the noise generated by other mines and industries does not exceed the amenity criteria in Table 4 at any residence on privately-owned land or on more than 25	C	Sighted copies of unattended monitoring reports which include no exceedances of the cumulative criteria due to Cadia noise.																																

Cond	Project Approval o6_o295	Status	Evidence																								
	per cent of any privately-owned land, to the satisfaction of the Secretary .																										
	Table 4: Cumulative noise criteria dB(A) L_{Aeq} (period) <table><tr><th>Location</th><th>Day</th><th>Evening</th><th>Night</th></tr><tr><td colspan="4">Mining Operations</td></tr><tr><td>All privately-owned land</td><td>50</td><td>45</td><td>40</td></tr><tr><td colspan="4">CVO Dewatering Facility</td></tr><tr><td>D Palmer</td><td>55</td><td>45</td><td>40</td></tr><tr><td>H Tetlaw, GP Nixon & Sons, ML Gardner, GJ Keen, D Somerville</td><td>50</td><td>45</td><td>40</td></tr></table>	Location	Day	Evening	Night	Mining Operations				All privately-owned land	50	45	40	CVO Dewatering Facility				D Palmer	55	45	40	H Tetlaw, GP Nixon & Sons, ML Gardner, GJ Keen, D Somerville	50	45	40		
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Traffic Noise Impact Assessment Criteria																											
5.	The Proponent shall take all reasonable and feasible measures to ensure that the traffic noise generated by the project does not exceed the traffic noise impact assessment criteria in Table 5.																										
	Table 5: Traffic noise impact assessment criteria dB(A) <table><tr><th>Road</th><th>Day/Evening</th><th>Night</th></tr><tr><td>Forest Road, Orange Road</td><td>60 L_{Aeq} (15 hours)</td><td>55 L_{Aeq} (0 hours)</td></tr><tr><td>Cadia Road, Orchard Road, Four Mile Creek Road, Woodville Road, Panuara Road</td><td>55 L_{Aeq} (1 hour)</td><td>50 L_{Aeq} (1 hour)</td></tr></table>	Road	Day/Evening	Night	Forest Road, Orange Road	60 L _{Aeq} (15 hours)	55 L _{Aeq} (0 hours)	Cadia Road, Orchard Road, Four Mile Creek Road, Woodville Road, Panuara Road	55 L _{Aeq} (1 hour)	50 L _{Aeq} (1 hour)	NC	Exceedances of project traffic noise impact criteria were recorded during the audit period, as noted in consultant monitoring reports and ARs: Table 6-16 of the 2021 AR reports two traffic noise exceedances. Monitoring consultants reported exceedances at 440 Cadia Rd in February and March 2021, for approximately 40% of day hours and 35% of night hours. Incorrect criteria were used in this report which, if corrected, would result in a higher percentage of exceedances particularly in the day. Monitoring consultants reported exceedances at 121 Long Swamp Rd in September 2021 for approximately 10% and 12% of the day and night periods;															
Road	Day/Evening	Night																									
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Cond	Project Approval o6_o295	Status	Evidence
			- Table 6-21 reports 60 exceedances of traffic noise criteria at two monitoring locations; and - Table 10-7 of the 2023 AR reports exceedances of road traffic noise at five of the six monitoring locations during the period. The 2023 AR notes that the regular exceedances of traffic noise impact criteria are related to inconsistencies in assessment between the initial EA and the current monitoring program. Viewed examples of Cadia correspondence with landholders where traffic noise impact criteria have been exceeded, including: 16/05/22, notifying a resident on Long Swamp Road of monitoring exceedances and offering noise mitigation works for the residence; 16/05/23, noting the installation of noise mitigation at a Long Swamp Road residence and seeking confirmation from the landholders that the works were installed to their satisfaction. The landholder signed off on the works on 21/05/23; and 29/06/23, noting the installation of noise mitigation at a Long Swamp Road residence and seeking confirmation from the landholders that the works were installed to their satisfaction. The landholder signed off on the works on 01/08/23. DC (pers comms) confirmed that all reasonable and feasible measures have been implemented to minimise noise impacts from Cadia-related traffic such as, staggering shifts, buses, employee education, encouraging car pooling

Cond	Project Approval o6_o295	Status	Evidence
			and monitoring. It is recommended that reasonable and feasible measures to minimise traffic noise are described in the draft Noise Management Plan and implemented to ensure that the traffic noise generated by the project does not exceed the traffic noise impact assessment criteria in Table 5 of PA o6_o295.
	<i>Note: Traffic noise generated by the project is to be measured in accordance with the relevant procedures in the EPA's Environmental Criteria for Road Traffic Noise.</i>	Note only	Noted.
Operating Hours			
6.	The Proponent shall comply with the operating hours in Table 6.	C	LH (pers comms) confirmed that there has been no restriction on mine complex operating hours. Sighted copies of noise reports which noted CDF forklift noise on one occasion, from 7.45 am to 8.45 am. There was no evidence of audible operating noise at other times.

Cond	Project Approval o6_o295	Status	Evidence																															
	Table 6: Operating Hours <table><tr><th>Activity</th><th>Day</th><th>Time</th></tr><tr><td colspan="3">Construction</td></tr><tr><td>Rodds Creek water holding dam raise; tailings storage facilities raises and embankment extensions; new pipelines; NaHS Solutioning Plant construction</td><td>Any day</td><td>Day</td></tr><tr><td>Cadia East underground mine development; upgrade of ore processing facilities; NTSF repair works</td><td>Any day</td><td>Any time</td></tr><tr><td rowspan="3">Dewatering facilities</td><td>Monday – Friday</td><td>7.00am to 6.00pm</td></tr><tr><td>Saturday</td><td>8.00am to 1.00pm</td></tr><tr><td>Sunday and Public Holidays</td><td>None</td></tr><tr><td colspan="3">Operation</td></tr><tr><td>Mine complex operations; Dewatering facilities</td><td>Any day</td><td>Any time</td></tr><tr><td>Blayney Dewatering Facility – train loading</td><td>Any day</td><td>7.00am to 7.00pm</td></tr><tr><td>CVO Dewatering Facility – train loading</td><td>Any day</td><td>Day</td></tr></table>	Activity	Day	Time	Construction			Rodds Creek water holding dam raise; tailings storage facilities raises and embankment extensions; new pipelines; NaHS Solutioning Plant construction	Any day	Day	Cadia East underground mine development; upgrade of ore processing facilities; NTSF repair works	Any day	Any time	Dewatering facilities	Monday – Friday	7.00am to 6.00pm	Saturday	8.00am to 1.00pm	Sunday and Public Holidays	None	Operation			Mine complex operations; Dewatering facilities	Any day	Any time	Blayney Dewatering Facility – train loading	Any day	7.00am to 7.00pm	CVO Dewatering Facility – train loading	Any day	Day		
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CVO Dewatering Facility – train loading	Any day	Day																																
	<i>Note: Construction and maintenance activities may be conducted outside the hours in Table 6 provided that the activities are not audible at any residence beyond the boundary of the site.</i>	Note only	Noted.																															
Additional Noise Mitigation Measures																																		
7.	Upon receiving a written request from: - the landowner of the properties identified as: - MC & PA Ewens (unless the landowner has requested acquisition); or - GP Nixon & Sons; or	NT	LH (pers comms) confirmed that no requests were received during the audit period, however an offer of mitigation was made to GP Nixon & Sons (Hollywood) in 2023 and accepted. LH (pers comms) confirmed that an investigation into mitigation options is in progress at the time of audit, in consultation with residents.																															
	- the landowner of privately-owned land where subsequent operational noise monitoring shows the noise generated by the project exceeds the noise limits in Table 2 by more than: 1 dB(A), in the case of daytime noise levels at the location identified as ML Gardner; or 2 dB(A), in the case of all other locations; or	NT	LH (pers comms) confirmed that no requests have been received in the audit period																															

Cond	Project Approval o6_o295	Status	Evidence
	the landowner of the residences on Forest Road, Orchard Road, Woodville Road or other road listed in Table 5 where subsequent noise monitoring shows traffic noise levels generated by the project exceed the traffic noise criteria in Table 5, the Proponent shall implement additional noise mitigation measures such as double glazing, insulation, and/or air conditioning at any residence on the land in consultation with the landowner.	NT	LH (pers comms) confirmed that no requests have been received in the audit period
	These additional mitigation measures must be reasonable and feasible. If within 3 months of receiving this request from the landowner, the Proponent and the landowner cannot agree on the measures to be implemented, or there is a dispute about the implementation of these measures, then either party may refer the matter to the Secretary for resolution. Within 3 months of this approval, the Proponent shall notify all applicable landowners that they are entitled to receive additional noise mitigation measures, to the satisfaction of the Secretary.	C	LH (pers comms) confirmed that the investigation at Hollwood is ongoing to satisfaction of residents and no other requests have been received during the audit period.
Continuous Improvement			
8.	The Proponent shall: (a) implement all reasonable and feasible best practice noise mitigation measures;	C	Sighted example EIP issue date 31 October 2023 (re-issued 20 December 2023). The EIP was prepared for relocation of tailings topsoil stockpiles SP107 and SP124 to form a new stockpile SP130, in a berm formation at the eastern orientation of HRO2. Section 4 of the EIP notes that specific noise mitigation measures are required to comply with permit and licence conditions and that Todoroski Air Sciences (TAS) have undertaken noise modelling to guide operations in this work area. Sighted TAS letter report dated 8 December 2023 regarding the mine planning noise analysis for proposed topsoil bund at Cadia. The modelling results indicated that the activity associated with the construction of the 7m high topsoil bund would result in noise levels below the applicable limit of 43db(A) at the sensitive receiver locations. Sighted example copy of Newmont Safety Share document dated 28 January 2024 which records

Cond	Project Approval o6_o295	Status	Evidence
			daily weather conditions. KH (pers comms) confirmed that Cadia have recently implemented noise improvements surface, replacing reversing beacons with 'squawker' type alarms. Sighted copy of Newmont Cadia Panel Start document dated 30 November 2023 which notes effective from 15 December 2023, all vehicles operating in the following work areas must be fitted with the squawker type alarm (minimum level of 85 dBa or self-adjustable according to ambient noise): • Cadia Dewatering Facility, Blayney; • Molybdenum Plant; and • All surface operations areas, including tailing dams. Real-time noise monitoring with identification of exceedances and associated alarms is currently implemented generally in accordance with the PA. However, it is recommended that general reasonable and feasible noise controls applied during site operations are described in the draft Noise Management Plant being prepared to address the requirements of PA o6_o295 Modification 14. It is also recommended that Cadia consider: • Adjusting alarm levels to correlate with receiver noise levels/criteria so alarms reflect imminent/actual criteria exceedances at receivers; • Connecting noise monitors near the Cadia Dewatering Facility to real time monitoring system; and • Optimising user interface to make the system more efficient/useful to operations staff in responding to operational noise

Cond	Project Approval o6_o295	Status	Evidence
			levels.
	(b) investigate ways to reduce the noise generated by the project, including off-site road (particularly on Forest Road, Orchard Road and Woodville Road during the night and early morning periods) and rail noise and maximum noise levels which may result in sleep disturbance; and	C	LH (pers comms) confirmed that buses are used to transport staff to/from population centres to minimise traffic noise.
	(c) report on these investigations and the implementation and effectiveness of these measures in the Annual Review, to the satisfaction of the Secretary .	NC	The 2021 and 2022 AR's do not describe noise investigations or the effectiveness of noise improvements. DC (pers comms) confirmed that AR FY23 includes comparison of actual vs predicted for the Cadia East EIA and the implementation of new practices in Section 10.5. This included the implementation of noise improvement initiatives. Sighted copy of AEMR FY23 Figure 10-4, which describes annual noise complaints FY12-23. Section 10.3.3.1 of the AEMR FY23 provides a comparison of noise impacts against EA predictions. Section 10.5 of the AEMR FY23 describes noise improvement strategies. It is recommended that future AR's continue to report on any noise investigations and the implementation of any investigation findings, as was documented in Section 10.5 of the 2023 AR.
Noise Management Plan			
9.	The Proponent must prepare a detailed Noise Management Plan for the project to the satisfaction of the Secretary. This plan must: (a) be prepared in consultation with EPA, and be submitted to the Secretary for approval within 3 months of the date of this approval;	C	Viewed the Cadia Noise Monitoring Program (NMP) 710-005-EN-PLA-0003 dated 20/09/21, as approved by DPE and prepared in consultation with the EPA. LH (pers comms) confirmed that a draft Noise Management Plan prepared to address the modified conditions of consent was submitted

Cond	Project Approval o6_o295	Status	Evidence
			within the time period from approval of PA o6_o295 Modification 14. A response from the EPA dated 24/3/22 was sighted, acknowledging receipt of the draft updated Noise Management Plan. A number of comments on the draft Noise Management Plan were provided by the Department and multiple revisions of the Plan have been prepared and submitted since the initial draft. The updated Noise Management Plan reflecting PA o6_o295 Modification 14 is not yet approved by the Department. It is recommended that Cadia continue to liaise closely with regulatory agencies to gain approval for the Noise Management Plan required for Modification 14.
	(b) describe measures that would be implemented to ensure compliance with conditions 2-6 of this schedule, including a trigger action response plan based on noise complaints, real time and attended noise monitoring;	NT	The approved NMP does not include a Trigger Action Response Plan (TARP). It is recommended that the Noise Management Plan required for Modification 14 includes a noise TARP.
	(c) describe the measures to minimise road traffic noise generated by the project on public roads;	NT	The approved NMP does not include measures to minimise project-related noise on public roads. It is recommended that the Noise Management Plan required for Modification 14 includes measures to minimise traffic noise.
	(d) include a noise monitoring program that: – uses a combination of real-time and supplementary attended monitoring measures to evaluate the performance of the project;	NT	Section 4.1 of the approved NMP provides a monitoring overview of operational noise CVO, operational noise CVO Dewatering Facility and traffic noise monitoring. Section 4.1 describes attended and directional (unattended) monitoring at different locations.

Cond	Project Approval o6_o295	Status	Evidence
			Sighted representative noise monitoring locations during the site inspection, including the noise monitoring trailer unit used as an operational management tool (see Plate 22 of Appendix F).
	adequately supports the proactive and reactive noise management system on site;	NT	The approved NMP does not include measures to minimise project-related noise on public roads. It is recommended that the Noise Management Plan required for Modification 14 includes proactive and reactive noise management systems.
	defines what constitutes a noise incident, and includes a protocol for identifying noise incidents and notifying the Department and relevant stakeholders of any such incident;	NT	Section 6 of the approved NMP identifies what constitutes a noise non-compliance and provides a process for complaint response.
	evaluates and reports on the effectiveness of the noise management system on site;	NT	Section 5.2 of the approved NMP describes noise management reporting. A summary of noise monitoring results is included in audit period AR's.
	includes details of all feasible and reasonable noise mitigation and management measures to minimise noise from activities associated with the project's construction works; and	NT	The approved NMP does not detail reasonable and feasible noise mitigation and management measures. It is recommended that the revised Noise Management Plan required for Modification 14 includes details on noise mitigation and management measures adopted to minimise project noise.
	includes a program to calibrate and validate the real time noise monitoring results with the attended monitoring results over time (so the real time monitoring program can be used as a better indicator of compliance with the noise criteria in this approval and a trigger for further attended monitoring).	NT	The approved NMP does not provide a program to calibrate and validate real-time noise monitoring results. It is recommended that the revised Noise Management Plan required for Modification 14 includes describes the process to validate real

Cond	Project Approval o6_o295	Status	Evidence																									
			time noise monitoring results with attended monitoring data.																									
9A.	The Proponent must implement the Noise Management Plan as approved by the Secretary.	NT	See Schedule 3, Condition 9(a) above. It is recommended that Cadia continue to liaise closely with regulatory agencies to gain approval for the Noise Management Plan required for Modification 14.																									
BLASTING AND VIBRATION: Blasting Impact Assessment Criteria																												
10.	The Proponent shall ensure that blasting at the project does not exceed the criteria in Table 7.		Sighted copy of Acoem Dynamate Blast Monitoring Field Calibration Report for the Chesterfield Station dated 22 November 2022.																									
	Table 7: Blasting impact assessment criteria <table><tr><th>Location</th><th>Time of Blasting</th><th>Airblast overpressure (dB(Lin Peak))</th><th>Ground vibration (mm/s)</th><th>Allowable exceedance</th></tr><tr><td rowspan="4">Residence on privately owned land</td><td>Any time</td><td>120</td><td>10</td><td>0%</td></tr><tr><td>Day</td><td>115</td><td>5</td><td rowspan="3">5% of the total number of blasts over a period of 12 months</td></tr><tr><td>Evening</td><td>105</td><td>2</td></tr><tr><td>Night, and all day on Sundays and Public holidays</td><td>95</td><td>1</td></tr><tr><td>Heritage sites, including Cadia Engine House and Surrounds (but excluding Little Cadia Copper Mine)</td><td>Any time</td><td>-</td><td>15</td><td>0%</td></tr></table>	Location	Time of Blasting	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)	Allowable exceedance	Residence on privately owned land	Any time	120	10	0%	Day	115	5	5% of the total number of blasts over a period of 12 months	Evening	105	2	Night, and all day on Sundays and Public holidays	95	1	Heritage sites, including Cadia Engine House and Surrounds (but excluding Little Cadia Copper Mine)	Any time	-	15	0%	C	Sighted copies of consultant’s reports to June 2023 and EPL 5590 reports to December 2023. The following exceedances of blast impact criteria were recorded, within the 5% allowable exceedance threshold: - One seismicity exceedance at Warrengong on 2/07/21 3:59 am, reading 4.74 mm/s (criterion 1 mm/s) and 97 dB (criterion 95 dB); - An earthquake was recorded on 22/09/21 at 9:18 am, however this event is not believed to be related to mining activity; - Exceedances of the vibration criteria were measured on 25/04/23 at 6:31 am at Warrengong and Chesterfield, reading 2.5 and 1.3 mm/s (criterion 1 mm/s); and - Exceedance of overpressure criteria was measured at Meribah (99 dB) on 8/8/2023 at 1:51 AM (criterion 95 dB); and - Exceedance of blast vibration criteria was measured at Chesterfield (1.24 mm/s) on 8/8/2023 at 1:51 AM (criterion 1 mm/s). It is noted that this blast was incorrectly
Location	Time of Blasting	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)	Allowable exceedance																								
Residence on privately owned land	Any time	120	10	0%																								
	Day	115	5	5% of the total number of blasts over a period of 12 months																								
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	Night, and all day on Sundays and Public holidays	95	1																									
Heritage sites, including Cadia Engine House and Surrounds (but excluding Little Cadia Copper Mine)	Any time	-	15	0%																								

Cond	Project Approval o6_o295	Status	Evidence
			reported. Note that this condition refers to blasting, however, is taken to also refer to seismic events that may be related to mining activities.
	<i>Note: The impact assessment criteria for Cadia Engine House and Surrounds apply in the absence of any anti-vibration strengthening. Alternative criteria may be approved under the Historical Heritage Management Plan (see condition 43) if anti-vibration strengthening works are implemented.</i>	Note only	Noted.
Operating Conditions			
11.	During mining operations on site, the Proponent shall implement best blasting practice to: (a) protect the safety of people, property, public infrastructure, and livestock;	C	LH (pers comms) confirmed that blasts occur underground so no flyrock risk exists. Reports sighted confirmed that vibration levels during the audit period did not reach levels likely to affect property or any resident's safety.
	(b) protect items of Aboriginal and non-indigenous cultural heritage significance; and	C	RH (pers comms) confirmed that blast impacts remained well below the impact levels for identified heritage items.
	(c) minimise the dust and fume emissions from blasting at the project, to the satisfaction of the Secretary.	C	Underground blasts are unlikely to cause dust and fume emissions. LH (pers comms) confirmed that Cadia did not complaints related to blast dust or fume. Sighted copy of complaints register on the Cadia website.
Public Notice			
12.	During mining operations on site, the Proponent shall: (a) notify the landowner/occupier of any residence within 2 kilometres of blasting operations who registers an interest in being notified about the blasting schedule at the mine, or any other landowner nominated by the Secretary ;	NT	KH (pers comms) confirmed that no specific community requests have been made requesting to be notified of blasting.
	(b) operate a Blasting Hotline, or alternate system agreed to by the Secretary , to enable the public to get up-to-date information on the blasting schedule at the project;	C	KH (pers comms) confirmed that blasting notifications are sent to the Cadia District Distribution List (more than 400 people).

Cond	Project Approval o6_o295	Status	Evidence
	(c) publish an up-to-date blasting schedule on its website (for open pit and major underground blasting operations); and	NT	Blasts do not occur on the surface and are not considered major underground blasts, considering the low vibration and overpressure levels at all receivers.
	(d) advertise the blasting hotline number and website information in the mine's regular newsletter, to the satisfaction of the Secretary.	C	DC (pers comms) confirmed that the blasting hotline is the same as the Community Complaints Hotline which is advertised on the website and all community correspondence. Sighted copy of Cadia Newsletter dated December 2023 which includes a reference to the Community Complaints Hotline.
Property Inspections			
13.	The Proponent shall advise the owners of privately-owned land that they are entitled to a structural property inspection to establish the baseline condition of buildings and other structures on the property: (a) within 2 months of the date of this approval, for properties within 2 kilometres of blasting operations occurring at the date of this approval; and	C	Deemed compliant by previous IEA.
	(b) at least 2 months prior to blasting within 2 kilometres of additional properties.	C	Deemed compliant by previous IEA.
14.	If the Proponent receives a written request for a structural property inspection from any such landowner, the Proponent shall: (a) within 2 months of receiving this request commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Secretary, to inspect the condition of any building or structure on the land (prior to blasting taking place within 2 kilometres of the property, if possible), and recommend measures to mitigate any potential blasting impacts; and	NT	KH (pers comms) confirmed that no landowners with properties within 2 km have been inspected during the audit.
	(b) give the landowner a copy of the property inspection report.	NT	KH (pers comms) confirmed that no properties within 2 km have been inspected during the audit.
Property Investigations			
15.	If any landowner of privately-owned land within 2 kilometres of blasting operations, or any other landowner nominated by the Secretary, claims that buildings and/or structures on his/her land have been damaged as a result of blasting at the project, the Proponent shall within 3 months of receiving	NT	See Schedule 3, Condition 14(a) above.

Cond	Project Approval o6_o295	Status	Evidence
	this request: (a) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Secretary , to investigate the claim; and		
	(b) give the landowner a copy of the property investigation report. If this independent property investigation confirms the landowner's claim, and both parties agree with these findings, then the Proponent shall repair the damages to the satisfaction of the Secretary . If the Proponent or landowner disagrees with the findings of the independent property investigation, then either party may refer the matter to the Secretary for resolution. If the matter cannot be resolved within 21 days, the Secretary shall refer the matter to an Independent Dispute Resolution Process (see Appendix 8).	NT	See Schedule 3, Condition 14(a) above.
Blast Monitoring Program			
16.	The Proponent shall prepare and implement a Blast Monitoring Program for the project to the satisfaction of the Secretary . This program must: (a) be prepared in consultation with EPA , and be submitted to the Secretary for approval within 3 months of the date of this approval; and	C	Sighted copy of version 1 of the Blast Monitoring Program 710-005-EN-PLA-0002 which was prepared in April 2010, with the latest version 4 prepared in July 2020 and approved by DPE on 04/08/20.
	(b) include a protocol for evaluating blast-related impacts (including blast-induced seismic activity) on, and demonstrating compliance with the blasting criteria in this approval for: privately-owned residences and structures;	C	Sighted Section 4.1 of the BMP which contains an appropriate protocol.
	items of Aboriginal and non-indigenous cultural heritage significance (including the Cadia Engine House and Surrounds); and	C	Sighted Section 2.4.2 of the BMP, which considers known heritage items (including the Cadia Engine House) and is appropriate considering the low chance of reaching the vibration or overpressure criteria at this location. Sighted Cadia Cornish Engine House and Chimney Precinct during the site inspection, (see Plate 4 of Appendix F).
	publicly-owned infrastructure.		
AIR QUALITY: Impact Assessment Criteria			
17.	Except for the land in Table 1, the Proponent shall ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the project	C	Sighted evidence of air quality monitoring in monthly reports and Annual Reviews which

Cond	Project Approval o6_o295	Status	Evidence												
	do not cause exceedances of the criteria listed in Tables 8, 9 and 10 at any residence on privately owned land, or on more than 25% of any privately-owned land.		cover financial years 2020-2023. According to the air quality monitoring reports and data presented in the Annual Reviews, Cadia has complied with this condition. As a general observation to improve air quality compliance monitoring, it is recommended that: 1) Cadia review internal procedures to ensure that all compliance air quality monitoring (inclusive of collection, analysis and reporting) (i.e. not monitoring performed for management purposes) is completed in accordance with relevant Australian Standards listed in the site EPL. 2) The siting of all monitoring stations be reviewed against the requirements of AS/NZS 3580.1.1 and where possible, monitors moved to ensure compliance (e.g. Woodville monitors should be moved away from the nearby solar panel structure if possible) (see Plate 23 of Appendix F). 3) All air quality monitor calibrations / calibration checks and maintenance should be completed at the frequency required by the relevant Standard / manufacturer guidance.												
	<i>Table 8: Long term impact assessment criteria for particulate matter</i> <table><tr><th><i>Pollutant</i></th><th><i>Averaging period</i></th><th><i>^d Criterion</i></th></tr><tr><td>Total suspended particulate (TSP) matter</td><td>Annual</td><td>^a 90 µg/m³</td></tr><tr><td>Particulate matter < 10 µm (PM₁₀)</td><td>Annual</td><td>^a 25 µg/m³</td></tr><tr><td>Particulate matter < 2.5 µm (PM_{2.5})</td><td>Annual</td><td>^a 8 µg/m³</td></tr></table>	<i>Pollutant</i>	<i>Averaging period</i>	<i>^d Criterion</i>	Total suspended particulate (TSP) matter	Annual	^a 90 µg/m³	Particulate matter < 10 µm (PM ₁₀)	Annual	^a 25 µg/m³	Particulate matter < 2.5 µm (PM _{2.5})	Annual	^a 8 µg/m³		
<i>Pollutant</i>	<i>Averaging period</i>	<i>^d Criterion</i>													
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Cond	Project Approval o6_o295	Status	Evidence									
	Table 9: Short term impact assessment criterion for particulate matter <table><tr><th>Pollutant</th><th>Averaging period</th><th>^d Criterion</th></tr><tr><td>Particulate matter < 10 µm (PM₁₀)</td><td>24 hour</td><td>^b 50 µg/m³</td></tr><tr><td>Particulate matter < 2.5 µm (PM_{2.5})</td><td>24 hour</td><td>^b 25 µg/m³</td></tr></table>	Pollutant	Averaging period	^d Criterion	Particulate matter < 10 µm (PM ₁₀)	24 hour	^b 50 µg/m ³	Particulate matter < 2.5 µm (PM _{2.5})	24 hour	^b 25 µg/m ³		
Pollutant	Averaging period	^d Criterion										
Particulate matter < 10 µm (PM ₁₀)	24 hour	^b 50 µg/m ³										
Particulate matter < 2.5 µm (PM _{2.5})	24 hour	^b 25 µg/m ³										
	Table 10: Long term impact assessment criteria for deposited dust <table><tr><th>Pollutant</th><th>Averaging period</th><th>Maximum increase in deposited dust level</th><th>Maximum total deposited dust level</th></tr><tr><td>^c Deposited dust</td><td>Annual</td><td>^b 2 g/m²/month</td><td>^a 4 g/m²/month</td></tr></table>	Pollutant	Averaging period	Maximum increase in deposited dust level	Maximum total deposited dust level	^c Deposited dust	Annual	^b 2 g/m ² /month	^a 4 g/m ² /month	C	Sighted dust deposition monitoring results provided in Annual Reviews which cover financial years 2020-2023. Evidence of Cadia assessing the contribution of the site towards air quality criteria. This involves a review of results and wind direction. It is recommended that: 1) The siting of all Deposition Dust Gauges (DDG) should be reviewed against the requirements of AS/NZS 3580.1.1 and documented. 2) To ensure appropriate measures could be put in place to avoid an exceedance of annual average criteria, it is recommended that significantly elevated DDG results are reviewed immediately (rather than the end of the year). 3) If the review of elevated DDG results finds that a sample was contaminated, the result should be marked as invalid with justification provided and excluded from the annual average calculation. 4) The environmental monitoring manual is reviewed at the frequency stated in the manual (every two years). The version provided refers to obsolete version of AS/NZS 3580.1.1. 5) The chain of custody for air quality monitoring should state that the samples	
Pollutant	Averaging period	Maximum increase in deposited dust level	Maximum total deposited dust level									
^c Deposited dust	Annual	^b 2 g/m ² /month	^a 4 g/m ² /month									

Cond	Project Approval o6_o295	Status	Evidence
			are to be analysed in accordance with AS 3580.10.1. 6) The chain of custody for air quality monitoring should include a sampling start date. 7) Request for sample bottles should include reference to AS 3580.10.1 to ensure provided bottles include appropriate algicide (or site-specific justification to note that algicide is not required). The Air Quality Monitoring Program references AS 3580.10.1:2003 8) Certificates of analysis should be reviewed to ensure there are no errors. The example certificate of analysis provided (CA2302949) appears to have an error relating to the sample duration for DG15A and DG17 (58 days rather than 28). It is not clear if this has affected calculation of deposition rates. It is noted that this improvement has been made since the IEA site visit. Sighted a copy of an updated Certificate of Analysis (CA2302949) record dated 29/02/24 that has the sample duration of 28 days.
	<i>Notes to Tables 8-10:</i> <i>^a Cumulative impact (i.e. increase in concentrations due to the project plus background concentrations due to all other sources);</i> <i>^b Incremental impact (i.e. increase in concentrations due to the project on its own), with up to five allowable exceedances of the criteria over the life of the project;</i> <i>^c Deposited dust is to be assessed as insoluble solids as defined by Standards Australia, AS/NZS 3580.10.1:2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulate Matter - Deposited Matter - Gravimetric Method; and</i> <i>^d Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents or any other activity agreed by the Secretary.</i>	Note only	Noted.
Land Acquisition Criteria			

Cond	Project Approval o6_o295	Status	Evidence												
18.	If particulate matter emissions generated by the project exceed the criteria, or contribute to exceedances of the relevant cumulative criteria, in Tables 11, 12 and 13 at any residence on privately-owned land then upon receiving a written request for acquisition from the landowner, the Proponent shall acquire the land in accordance with the procedures in conditions 5 and 6 of schedule 4.	NT	LH (pers comms) confirmed no requests for acquisition were received during the audit period.												
	Table 11: Long term land acquisition criteria for particulate matter <table><tr><th>Pollutant</th><th>Averaging period</th><th>^dCriterion</th></tr><tr><td>Total suspended particulate (TSP) matter</td><td>Annual</td><td>^a 90 µg/m³</td></tr><tr><td>Particulate matter < 10 µm (PM₁₀)</td><td>Annual</td><td>^a 25 µg/m³</td></tr><tr><td>Particulate matter < 2.5 µm (PM_{2.5})</td><td>Annual</td><td>^a 8 µg/m³</td></tr></table>	Pollutant	Averaging period	^d Criterion	Total suspended particulate (TSP) matter	Annual	^a 90 µg/m³	Particulate matter < 10 µm (PM ₁₀)	Annual	^a 25 µg/m³	Particulate matter < 2.5 µm (PM _{2.5})	Annual	^a 8 µg/m³		
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Particulate matter < 2.5 µm (PM _{2.5})	Annual	^a 8 µg/m³													
	Table 12: Short term land acquisition criteria for particulate matter <table><tr><th>Pollutant</th><th>Averaging period</th><th>^d Criterion</th></tr><tr><td>Particulate matter < 10 µm (PM₁₀)</td><td>24 hour</td><td>^b 50 µg/m³</td></tr><tr><td>Particulate matter < 2.5 µm (PM_{2.5})</td><td>24 hour</td><td>^b 25 µg/m³</td></tr></table>	Pollutant	Averaging period	^d Criterion	Particulate matter < 10 µm (PM ₁₀)	24 hour	^b 50 µg/m³	Particulate matter < 2.5 µm (PM _{2.5})	24 hour	^b 25 µg/m³					
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	Table 13: Long term land acquisition criteria for deposited dust <table><tr><th>Pollutant</th><th>Averaging period</th><th>Maximum increase in deposited dust level</th><th>Maximum total deposited dust level</th></tr><tr><td>^c Deposited dust</td><td>Annual</td><td>^b 2 g/m²/month</td><td>^a 4 g/m²/month</td></tr></table>	Pollutant	Averaging period	Maximum increase in deposited dust level	Maximum total deposited dust level	^c Deposited dust	Annual	^b 2 g/m²/month	^a 4 g/m²/month						
Pollutant	Averaging period	Maximum increase in deposited dust level	Maximum total deposited dust level												
^c Deposited dust	Annual	^b 2 g/m²/month	^a 4 g/m²/month												
	Notes to Tables 11-13: ^a Cumulative impact (i.e. increase in concentrations due to the project plus background concentrations due to all other sources); ^b Incremental impact (i.e. increase in concentrations due to the project on its own) with up to five allowable exceedances of the criteria over the life of the project; ^c Deposited dust is to be assessed as insoluble solids as defined by Standards Australia, AS/NZS 3590.10.1:2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulate Matter - Deposited Matter - Gravimetric Method; and ^d Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents, illegal activities or any other activity agreed to by the Secretary.														
Operating Conditions															
19.	The Proponent shall: (a) ensure any visible air pollution generated by the project is assessed regularly, and that operations	C	The site inspection during the IEA noted that effective dust management was generally being implemented well. Evidence was seen of water												

Cond	Project Approval o6_o295	Status	Evidence
	are relocated, modified, and/or stopped as far as is reasonable and feasible to minimise air quality impacts on privately-owned land;		trucks being used and low vehicle speeds enforced to reduce dust (see Plate 14 and Plate 15 of Appendix F). While some visible dust was observed at the VR8 ventilation shaft and in close proximity to the ore processing plant during high wind conditions, no visible dust was observed beyond the boundary of the site on privately-owned land, and overall dust emissions from the site appear to be well managed (see Plate 7 and Plate 8 of Appendix F). Sighted Tailings Storage Facility during the site inspection which was undergoing aerial spraying with suppressant product to minimise dust lift off (see Plate 20 of Appendix F). Some visible dust was observed being generated during clearing activities within the subsidence management zone (see Plate 5 and Plate 6 of Appendix F). These activities were modified by Cadia soon after, to respond to the elevated dust being emitted.
	(b) ensure that the real-time air quality monitoring and meteorological monitoring data are assessed regularly, and that operations are relocated, modified and/or stopped as required to ensure compliance with the relevant air quality criteria;	C	During the site inspection, it was observed that air quality data collected from all monitoring stations is available in real-time and triggers are set to inform relevant staff if TARP levels are exceeded. Viewed Cadia TSF Dust Suppression Management and Monitoring Plan dated 02/06/23 and CVO Site Dust TARP dated 14/04/23, which provide risk-based trigger responses based on weather forecasts and real-time alarms. Viewed an example CVO TSF Dust Suppression Monthly Report December 2023 (published 6/01/24), which documents weather conditions and provides a summary of TARP triggers for the

Cond	Project Approval o6_o295	Status	Evidence
			month.
	(c) implement all reasonable and feasible measures to minimise off-site odour and fume emissions generated by the project; and	C	During the IEA site inspection, weak odours were observed within the boundary of the Molybdenum Plant. No odours were observed beyond the site boundary or at other locations within the site. Sighted copy of the Cadia Molybdenum Plant Air Quality and Odour Management Plan revision date 12 October 2023. A number of processes are in place to limit the potential for odour generation (e.g. close monitoring of process ORP pH). These processes are outlined in the Molybdenum Plant Air Quality and Odour Management Plan. In addition, a number of H₂S monitors have been installed, with real-time data available to the Molybdenum Plant operators. The data from the monitors is also used to trigger alerts in accordance with the "Moly Plant TARP".
	(d) implement reasonable and feasible best practice diesel emissions reduction technology for any new equipment, including 'non-road' diesel equipment used in undertaking the project. to the satisfaction of the Secretary.	C	Cadia's Standard Work Health And Safety - 710-000-Sa-Sta-4026 Diesel Emissions Management document dated 27/06/23 outlines the requirements and controls to ensure worker health and safety requirements associated with diesel emissions are achieved. Section 6.11 of the Diesel Emissions Management document notes that Cadi purchasing specification require that mobile equipment and plant for use underground meet (at least) the US EPA Tier 3, or European EPA Stage III engine requirements. LS (pers comms) confirmed that the 2022 GHG Reduction Plan was devised to reduce Scope 1 associated GHG emissions at Cadia through the implementation of site-based initiatives. Initiatives are largely based on replacement of

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			traditional diesel combustion engines in major users such as development, production and surface fleet. LS (pers comms) confirmed that actions were tracked through CHESS, with initiative owners across Mining and Processing activities. Actions closed out to date include: • Diesel fleet replacement - A trial of a hybrid loader (2900XE) for development occurred in FY22 with the asset purchased in FY23. Fleet strategy and the business are reviewing options each time a machine replacement comes up, or a new machine request is made in line with SOP 4026 (Diesel Emissions Management) to ensure alignment with standard requirements; • Ongoing assessment of market for suitable electric loaders - most recent market analysis concluded that suitable production electric loaders are not yet able to have a battery that lasts long enough to be viable. A recent trial of a hybrid loader (2900XE) proved successful obtaining the same amount of material with approximately 15% less emissions. This has been purchased in FY23; • Optimisation of surface movements and stockpile handling - utilisation studies done, however were put on hold due to changes to the materials movement strategy. Cost-benefit of investing into options assessments was deemed not feasible at this stage, but will be reviewed in the context of further mining studies. Sighted screenshot of CHESS obligation, Ref OBL-0001721 which records Diesel fleet replacement actions which status is marked as

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			closed. DC (pers comms) confirmed that Cadia's diesel emissions reduction technology methodology is part of the AQGHGMP and has been submitted to the Secretary for approval. To be applied to new project equipment been approved by the Secretary. It is noted that Cadia's Diesel Emissions Management document focuses on management of diesel emissions to achieve worker exposure requirements. The intent of this condition is understood to relate to environmental air quality rather than occupational health and therefore the Standard Work Health And Safety – 710-000-Sa-Sta-4026 Diesel Emissions Management document does not meet this condition. It is recommended that Cadia continues to consult with DPE regarding the reasonable and feasible best practice diesel emissions reduction technology that will be applied for any new equipment on site and document the measures that will be applied in the Cadia Diesel Emissions Management document or the AQGHGMP (see Schedule 3, Condition 20).
19A.	The Proponent must prepare an Air Quality Impact Validation Report to the satisfaction of the Secretary based on detailed construction methodology and equipment for the construction of the NTSF and STSF embankments and associated infrastructure including haulage roads and transfer of waste rock material. The Air Quality Impact Validation Report must be prepared by a suitably qualified and experienced person, whose appointment has been approved by the Secretary and be submitted to the Secretary within 3 months of approval of Modification 14.	NC	Sighted evidence of a preliminary Air Quality Impact Validation Report (AQIVR) submitted to DPE on 10 March 2023 and Updated AQIVR submitted on 16 August 2023. It is noted that the AQIVR was not submitted within three months of the approval of Modification 14 (i.e. by April 2022). However, evidence provided that an extension for submission of the AQIVR was sought and justification for delay provided via letter dated 9 March 2022. Sighted DPE letter dated 15 March 2022 which

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			refers to the request for an extension of time to submit a AQIVR and notes that the Secretary is not able to grant an extension of time for the report. It is also noted that the letter has been submitted advising of the delay in the submission of the AQIVR. Sighted Cadia Response to Invitation to Show Cause letter dated 16 December 2022. The letter notes the alleged offence against the EP&A Act for failure to submit an AQIVR within three months of the approval of Modification 14 as required by PA o6_o295. The letter notes that Cadia has not submitted an AQIVR or an NIVR to date because it is still yet to settle on the detailed design and construction methodology and equipment for the construction of the NTSF and the STSF embankments and associated infrastructure. Sighted Cadia letter dated 10 March 2023 addressed to the Department which notes that Cadia have prepared an initial AQIVR on the basis of the confirmed construction information for the work associated with the first stages of planned upgrades to the tailings storage facilities until end July 2023. The letter notes that Cadia will prepare and submit a supplementary AQIVR on 11 August 2023 for the period from August 2023 onwards for the final fleet configuration following finalisation of the remaining detailed design and construction methodologies of the Northern Tailings Storage Facility and Southern Tailings Storage Facility embankments and associated infrastructure. Sighted Cadia letter dated 16 August 2023 addressed to the Department which refers to the Departments comments following its review of

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			the supplementary AQIVR. The letter provides a reconciliation table which reproduces each of the Departments comments received in the emails dated 25 and 27 July 2023 and Cadia's response to each residual comment. It is understood that the AQIVR is yet to be approved by DPE. It is recommended that Cadia continue to consult with DPE to gain approval for the AQIVR.
NaHS Solutioning Plant Construction and Operation			
19B.	Prior to construction of the NaHS Solutioning Plant, the Proponent must develop and implement an ongoing hydrogen sulphide emission monitoring program for the project, to the satisfaction of the EPA.	NT	LH (pers comms) confirmed the NaHS Solution Plant has not been constructed during the audit period.
19C.	Unless otherwise agreed by the EPA, the NaHS Solutioning Plant must:	NT	See Schedule 3, Condition 19B above.
	(a) not produce more than 43 tonnes of NaHS solution (35%) per day; and		
	(b) be fitted with a sodium hydroxide scrubber which must be designed to achieve;	NT	See Schedule 3, Condition 19B above.
	• a hydrogen sulphide emission concentration of 5 mg/m ₃ , and	NT	See Schedule 3, Condition 19B above.
	• a final output emission rate of hydrogen sulphide less than 1.67 grams per second (g/s).	NT	See Schedule 3, Condition 19B above.
NaHS Solutioning Plant Emission Performance and Verification			
19D.	Prior to construction of the sodium hydroxide scrubber, the Proponent must provide an emission performance guarantee (or similar) to the EPA, to confirm the expected emission performance of the scrubber and demonstrate the designed performance of the scrubber is consistent with best practice.	NT	LH (pers comms) confirmed the NaHS Solution Plant has not been constructed during the audit period.
19E.	The exhaust stack of the pollution control system must be designed to allow for periodic emission testing to occur, and have consideration for the requirements outlined in Australian Standard AS4323.1 Stationary source emissions - Selection of sampling positions (1995) and USEPA's Guideline for the Determination of Good Engineering Stack Height (1981).	NT	See Schedule 3, Condition 19B above.
19F.	The Proponent must undertake emission verification testing, generally in accordance with the procedures outlined in the EPA's submission to the Department (dated 24 May 2021, Appendix A of the Department's assessment report on Modification 14), and in accordance with emissions criteria	NT	See Schedule 3, Condition 19B above.

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	set in the project's EPL, to confirm the emission performance of the sodium hydroxide scrubber system.		
Air Quality and Greenhouse Gas Management Plan			
20.	The Proponent must prepare an Air Quality and Greenhouse Gas Management Plan for the project to the satisfaction of the Secretary. This plan must: (a) be prepared by a suitably qualified and experienced person and in consultation with EPA and the CCC, and be submitted to the Secretary within 3 months of approval of Modification 14, unless otherwise agreed by the Secretary;	C	Sighted copy of the approved Air Quality Monitoring Program (AQMP) version 4, dated June 2018. LH (pers comms) confirmed that a revised draft Air Quality and Greenhouse Gas Management Plan (AQGHGMP) required under Condition 20 (as modified for Modification 14) had been lodged with DPE 15/11/23 and was under review by DPE at the time of audit. It is recommended that Cadia continue to liaise closely with regulatory agencies to gain approval for the AQGHGMP required for Modification 14.
	(b) describe proactive and reactive measures of all significant, and potentially significant emissions sources and construction activities, that would be implemented to ensure compliance with conditions 17-19C of this schedule;	NT	The approved AQMP does not described proactive and reactive measures to minimise potentially significant sources of dust. See Schedule 3, Condition 20(a) above.
	(c) include key performance indicators;	NT	The approved AQMP does not described include key performance indicators for air quality and greenhouse gas management. See Schedule 3, Condition 20(a) above.
	(d) include a program for the implementation of the measures referred to in (b) above;	NT	The approved AQMP does not include a program for the implementation of air quality control measures. See Schedule 3, Condition 20(a) above.
	(e) include an air quality monitoring program that: uses a combination of real-time monitoring measures, high volume samplers and dust deposition gauges to monitor and evaluate the dust emissions of the project;	NT	Section 4 of the approved AQMP describes monitoring undertaken. Section 4.1 of the plan notes monitoring will be conducted using a combination of devices including TEOM analyses

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			and dust deposition gauges.
	describes the proposed installation, ongoing operation and maintenance of a suitable number of real-time particle monitoring sites around the NTSF and STSF to allow responsive dust management;	NT	Section 2.2 of the approved AQMP notes that all dust control equipment must be operable at all times. The approved AQMP does not clearly describe the proposed installation, ongoing operation and maintenance of a suitable number of real-time particle monitoring sites around the NTSF and STSF to allow responsive dust management. See Schedule 3, Condition 20(a) above.
	includes a suitable air quality monitoring program for the project's ventilation shafts discharge points, including PM₁₀ and PM_{2.5} emissions and ventilation flow rates;	NT	Section 1 of the approved AQMP notes that a main new source of air quality emissions associated with CVO are expected to be from the ventilation shafts. The plan does not clearly describe a suitable air quality monitoring program for the project's ventilation shafts discharge points, including PM₁₀ and PM_{2.5} emissions and ventilation flow rates. See Schedule 3, Condition 20(a) above.
	includes the ongoing operation and maintenance of a meteorological weather station;	NT	Section 4.6 of the approved AQMP describes Meteorological Monitoring although does not describe maintenance requirements for the site weather station. See Schedule 3, Condition 20(a) above.
	includes a protocol for determining exceedances of the relevant conditions of this approval; and	NT	Section 5.1 of the approved AQMP describes protocols for evaluating compliance.
	(f) establish a trigger response/reactive management protocol (Trigger Action Response Plan) to be used in combination with the particle monitoring sites and meteorological weather station;	NT	The approved AQMP does not include a TARP. See Schedule 3, Condition 20(a) above.
	(g) include the location, frequency and duration of monitoring, record keeping, system and performance review for continuous improvement and compliance reporting;	NT	The approved AQMP does not include clear details for continuous improvement. See Schedule 3, Condition 20(a) above.

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	(h) include procedures for the reasonable use of interim stabilisation and temporary vegetation strategies to minimise the area exposed for dust generation; and	NT	The approved AQMP does not include procedures for the reasonable use of interim stabilisation and temporary vegetation strategies to minimise the area exposed for dust generation. See Schedule 3, Condition 20(a) above.
	(i) describe the measures that would be implemented to minimise the release of greenhouse gas emissions from the site.	NT	The approved AQMP does not describe the measures that would be implemented to minimise the release of greenhouse gas emissions from the site. See Schedule 3, Condition 20(a) above.
20A.	The Proponent must implement the Air Quality and Greenhouse Gas Management Plan as approved by the Secretary.	NT	See Schedule 3, Condition 20(a) above. It is recommended that Cadia continue to liaise closely with regulatory agencies to gain approval for the AQGHGMP required for Modification 14.
METEOROLOGICAL MONITORING			
21.	During the life of the project, the Proponent shall ensure that there is a suitable meteorological station in the vicinity of the site that complies with the requirements in the <i>Approved Methods for Sampling of Air Pollutants in New South Wales</i> guideline.	C	Cadia operates two weather stations at Ridgeway and Southern Lease Boundary.
SOIL AND WATER: Water Supply			
22.	The Proponent must: (a) ensure that it has sufficient water for all stages of the project;	C	Sighted copy of Water Management Plan (WMP) dated 23/12/23, version 8. Cadia's approach to ensuring sufficient water supply in accordance with condition 22 (a) is set out in Sections 4.3 and 4.4.2 of the WMP, which describe the range of water sources available (e.g. licenced surface water extracted from Cadiangullong Dam, groundwater licences and process water). Cadia's water supply is managed with the use of a GoldSim water balance model which is used to forecast available water supply

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			as a key input for processing, Cadia East and road dust suppression. DS (pers comms) referred to a Committee on Water Supply which meets to discuss water use against the forecast average. The proponent has had sufficient water to meet demand over the audit period (based on the site water balance included in the AR's for FY21, FY22 and FY23) and has complied with the requirement.
	(b) implement efficiency and best practice measures to minimise and conserve the use of water; and	C	The WMP (Section 4.6 and Section 4.4.2) outlines Cadia's site water efficiency measures and management strategy, including water licences and approvals. Section 4.6 describes the efficiency measures in place. A key measure includes prioritisation of water re-use above freshwater extraction. Use of external water sources are also prioritised to reduce the demand on the Belubula River water source. The prioritisation is based on the ICUM International Council of Mining and Minerals guidance. Other water efficiency measures include inspections and maintenance of water management infrastructure and capture and re-use of site affected runoff. Cadia's Water Accounting Framework (WAF) includes a target for reuse efficiency (69%) and enables the tracking against this target as well as the intensity of water use measured in litres per tonne milled.
	(c) adjust the scale of the operations to match its available water supply.	C	The WNP states that Cadia will adjust the scale of operations to match available water supply in accordance with 22 (c), however DS (pers comms) confirmed this was not required during the audit period because there was sufficient water available to meet demand.

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	<i>Note: The Proponent is required to obtain all necessary water licences and approvals for the project under the Water Act 1912 and/or Water Management Act 2000.</i>	C	All licences and approvals under the <i>Water Management Act 2000</i> are documented in the WMP (Section 4).
Discharge Limits			
23.	The Proponent shall not discharge any water from the site except as may be expressly provided by an EPL, or in accordance with section 120 of the <i>Protection of the Environment Operations Act 1997</i> .	NC	The WMP outlines the licenced discharge points in accordance with EPL 5590. DS (pers comms) noted Cadia's intent to limit discharge into the receiving environment in accordance with WMP. During the audit period there have been the three reported incidents of non-compliance where water discharge from the site occurred, including: • Non-compliant water discharge to Cadiangullong Creek on 19-21 January 2021 due to a burst pipe, as reported in 2021 AR; • Blayney Return Water Leak in which approximately 30L of return water spilled from return water air valve into a contained drain alongside Cadia road on 20 September 2022 (reported in the 2023 AR). • October - November 2022 incident breached the Environmental Protection Licence (EPL), due to heavy rainfall a significant volume of surface water runoff from the overland flows adjacent to the CDF stormwater management system. Subsequently, the CDF stormwater collection pond overflowed to an adjacent unnamed watercourse. In an audit interview, DS (pers comms) discussed how incidents of noncompliance are managed including monitoring and taking action to stop the discharge as quickly as possible in line with the TARP methodology. Following the incident of a burst pipe in January

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			2021, Cadia investigated the cause and started a review of to the design capacity of water management system to identify corrective actions to prevent reoccurrence (as described in the incident notification to the Environmental Protection Authority). The ruptured pipe noted in the 2021 incident was replaced and double sleeved in 2023, which was viewed during site visit.
Compensatory Water Supplies			
24.	The Proponent shall provide compensatory water supplies to any landowner of privately-owned land whose water entitlements are impacted (other than an impact that is negligible) as a result of the project, in consultation with DPIE Water and to the satisfaction of the Secretary .	NT	The WMP includes a methodology to monitor impacts to water users and determine if compensatory water supply requirements are triggered. During the audit period, no impact was measured and therefore the requirement to make compensatory water supply was not triggered.
	The compensatory water supply measures must provide an alternative long-term supply of water that is equivalent to the loss attributed to the project. Equivalent water supply must be provided (at least on an interim basis) within 24 hours of the loss being identified.	NT	See Schedule 3, Condition 24 above.
	If the Proponent and the landowner cannot agree on the measures to be implemented, or there is a dispute about the implementation of these measures, then either party may refer the matter to the Secretary for resolution.	NT	See Schedule 3, Condition 24 above.
	If the Proponent is not able to provide an alternative long-term supply of water, the Proponent shall provide alternative compensation to the satisfaction of the Secretary , which may involve acquisition in accordance with the procedures in conditions 5-7 of schedule 4.	NT	See Schedule 3, Condition 24 above.
	<i>Notes:</i> <i>For the purposes of this condition:</i> <i>privately-owned land means any privately-owned land with direct water dependency on Swallow Creek, Cadiangullong Creek, Rodds Creek, Flyers Creek or Diggers Creek/Panvura Rivulet, and any land within the maximum predicted 1 metre groundwater drawdown contour as indicated on the plans in Appendix 5, or any other privately-owned land as notified by the Secretary;</i>	NT	See Schedule 3, Condition 24 above.

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	– a water entitlement includes an accessible riparian water right or licensable quantity; – a water entitlement is considered to be impacted if the project results in a loss in pumping yield in bores or pumps, or impacts the quality of the water such that its use is materially affected. (These impact assessment criteria are required to be further quantified in the Site Water Management Plan – see conditions 30-35 below). • Compensatory water supplies may be achieved through provision of baseflow offsets within the applicable catchment (see condition 25 below), or through measures on privately-owned land such as lowering or duplicating pumps, deepening or replacing bores, and/or provision of interim water supplies. • The Proponent is not required to provide additional compensatory water supplies where such long-term compensation has already been provided under previous consents for the project. • In resolving any dispute under this condition, the Secretary will consult closely with DPIE Water.		
Baseflow Offsets			
25.	The Proponent shall offset the loss of baseflow to the Belubula River and associated creeks caused by the project, in consultation with DPIE Water, and to the satisfaction of the Secretary. The offsets shall be provided either incrementally or on one occasion: (a) prior to the baseflow loss being realised, or within 12 months of the date of this approval for any existing realised baseflow losses that have not previously been offset; and	NT	The WMP documents Cadia's approach to meeting baseflow offset requirements. Section 9.1.2 refers to initial analysis of changes to baseflow that was undertaken in 2000 (for the Ridgeway EIS) and 2009 (for the Cadia East EA) (not supplied). Table 21 of the WMP describes the potential changes to the mean annual flow and baseflow for Swallows Creek, Diggers Creek and Flyers Creek. The baseflow index in Table 21 used as baseflow assessment criteria which are monitored and reported on in each AR. If the calculated indices fall below the 'during operations' baseflow indices, Cadia state that further investigations will be undertaken by an independent specialist. AR reporting for FY21, FY22 and FY23 includes baseflow analysis for the associated creeks being Swallow, Diggers and Flyers Creeks, with no adverse impact noted in these years. No baseflow offsets were required during the audit period.

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			DS (pers comms) stated that there were no requests from landholders for any compensation during the audit period. It was noted that the baseflow relationship with Belubula is not explicit or clear in the WMP. As a general improvement observation, it is recommended that Cadia describe this relationship in the WMP. For Cadiangullong Creek, Cadia manage releases from Cadiangullong Dam in accordance with the minimum flow requirements set out in condition 27 of PA o6_o295 and do not have baseflow assessment criteria to monitor.
	(b) within the catchments where the baseflow loss is realised, as far as is reasonable and feasible, unless otherwise approved by the Secretary .	NT	DS (pers comms) confirmed no baseflow offset was made or required during the audit period.
	<i>Notes:</i> <i>The offsets should be provided via the retirement of adequate water entitlements to account for the loss attributable to the project.</i> <i>Relevant compensatory water supplies implemented under condition 24 may be subtracted from the offsets required under this condition.</i> <i>The Proponent is not required to provide additional baseflow offsets where such offsets have already been provided under previous consents for the project. These existing offsets are to be described and evaluated in the Surface and Ground Water Contingency Plan (see condition 35 below).</i>	NT	Note only.
26.	At least 6 months prior to the cessation of mining operations, the Proponent shall demonstrate that it has made adequate provision to provide long-term offsets to account for the permanent baseflow loss caused by the project, in consultation with DPIE Water , and to the satisfaction of the Secretary .	NT	Condition not triggered in audit period because operations are continuing as generally described in the EA.
	<i>Note: The long-term offsets may be provided via the retiring of adequate water entitlements to account for the permanent loss attributable to the project.</i>	NT	Note only.
Cadiangullong Creek Flows			
27.	The Proponent shall manage water releases from Cadiangullong Dam to provide: (a) flows of at least:	NC	DS (pers comms) confirmed that there are systems and processes in place to manage flow releases from Cadiangullong Dam in accordance

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	3.4 ML/day, for periods when inflows into the dam are more than 3.4 ML/day and the water level in the dam is at or above the lowest valve level on the multi-level offtake (ie. 773.0 metres AHD);		with the minimum flows required by Condition 27. Cadia has created an internal online platform to view water monitoring data called Envirosuite (viewed during audit interview). This minimum flow requirement is monitored manually on a daily basis in addition to automated checks. Daily flow data from Cadiangullong Dam (ML/day) along with other data for the environmental requirements are communicated to the Cadia environmental team in automated daily emails with a colour coded level of compliance. This practice began in August 2023 and is expected to help improve the level of compliance. In response to noncompliance reported in the previous audit period in 2020, Cadia's response stated "Cadia has already developed a new web-based dashboard showing real-time flow data to improve data accessibility. Cadia will also revise the method for calculating the downstream flow from a 7-day rolling to a 10-day rolling average in the next version of the Water Management Plan. This will provide operational flexibility while still meeting the intent of the PA Condition to maintain riparian habitat and river health. The above changes will be documented in the revised Water Management Plan to be submitted to DPIE by 30/6/2021". A review of the revised Site Water management plan and Envirosuite (dashboard) confirms the above changes have been implemented. The water releases from Cadiangullong Dam in ML/day and the water level in Cadiangullong Dam at reference point for this condition were reviewed based on Cadia supplied data (audit period AR's and monthly streamflow reporting).

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			There was one instance of noncompliance with the minimum flow from Cadiangullong Dam for approximately four days between 4-8 June 2021 (Cadia Annual Environmental Management Report FY21). According to the monthly streamflow reporting, Cadia stated “Downstream flow not compliant with required criteria. The cause was insufficient rainfall runoff to the south of Cadiangullong Dam, that normally contributes to meeting the compliance criteria. Additional water was released”. It is noted that there is some level of uncertainty in meeting flow targets due to limitations in rainfall forecasts and generally Cadia do comply with this condition. If the flows are at risk of trending below the criteria, more water is released however this can take two days to travel through the system to the relevant gauge. Existing improvements to monitoring with increased use of automation as discussed above are expected to assist with compliance in future. It was also noted that monthly streamflow reporting was not available on Cadia’s website for several months during the audit period. These included: • January 2023; • February 2023; • January 2022; • February 2022; • January 2021; • February 2021. It is recommended that Cadia upload the missing streamflow reporting to their website.

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	the volume equal to the inflow into the dam, for periods when inflows into the dam are between 0.4 and 3.4 ML/day and the water level in the dam is at or above the lowest valve level on the multi-level offtake;	C	See Schedule 3, Condition 27 above.
	0.4 ML/day, for periods when inflows into the dam are less than 0.4 ML/day and the water level in the dam is at or above the lowest valve level on the multi-level offtake;	C	See Schedule 3, Condition 27 above.
	the volume equal to the inflow into the dam, up to 0.4ML/day, for periods when the water level in the dam is below the lowest valve level on the multi-level offtake and above the level of the scour valve (ie. 762.8 metres AHD); and	C	See Schedule 3, Condition 27 above.
	zero, when the water level in the dam is below the level of the scour valve; and	C	See Schedule 3, Condition 27 above.
	(b) releases of up to 4 medium flows (of the order of 12 to 15 ML/day) per year, each for a duration of 1 to 3 days, with timing and frequency of such flows determined by hydrographs of typical medium flows, to the satisfaction of, and unless otherwise approved by, DPIE Water.	C	Medium flows were reported over the following occasions in the audit period: - Flows above 12ML/day for all of June 2022; - The period between the 7th and 21st of January 2022, where flows were above 13ML/day; and 169 consecutive days between the 1 July and 16 December 2022. The requirement states the need for up to four medium flow events per year, therefore the condition is met however the intention may not be. It is recommended that Cadia should consult with DPE Water to better understand the intent of achieving up to four medium flows and the ideal seasonal timing to better meet environmental objectives.
28.	The Proponent shall not extract any water from Cadiangullong Dam when the volume in the dam drops to 10 percent or less of its total capacity (i.e. 778.8 metres AHD), unless otherwise approved by DPIE Water. Flow releases (see condition 27 above) shall be continued during any such period, except when the level of water in the dam drops below the level of the dam's scour valve (i.e. 762.8 metres AHD).	C	Cadia has automated alarms for notification to the command centre if the dam level drops to 14%, 12% and 10% or less of its total capacity. The measurement point was viewed during site visit. Cadia AR's from the audit period include

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			reporting on water storages. During the FY21 reporting period, Cadiangullong Dam's capacity was at 30%, decreased to 24% and increased to 86% capacity by the end of June 2021. During the FY22 and FY23 reporting periods the Cadiangullong Dam level remained high (well above 10%). It is recommended that Cadia include explicit reporting against Schedule 3, Condition 28 in future AR's.
Flyers Creek Flows			
29.	The Proponent shall ensure that natural environmental flows of up to 3.5 ML/day into Flyers Creek weir are allowed to pass uninterrupted downstream, and any approved water extraction is limited to medium and high flows, to the satisfaction of DPIE Water.	C	Reporting on this requirement from the annual reviews and monthly streamflow data was reviewed. Cadia's extraction from Flyers Creek during the audit period was limited to when natural Environmental flows exceeded 3.5ML/day. When natural flows were lower than 3.5 ML/day there was no extraction recorded. As a general observation, it is recommended that the annual reporting of flows against Condition 29 could be improved for ease of interpretation: • The scaling on the graph of Flyers Ck Flows should continue to be logged on the y (discharge) axis; • The text needs to match the chart, for example a chart showing extraction and accompanied by text stating no extraction in the annual reporting is contradictory. Also see NC and recommendation made against Schedule 3, Condition 27 above, regarding the publication of monthly streamflow data.
Site Water Management Plan			

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30.	The Proponent shall prepare a Water Management Plan for the project to the satisfaction of the Secretary. This plan must: (a) be prepared in consultation with DPIE Water and EPA, and be submitted to the Secretary for approval within 6 months of the date of this approval;	C	The WMP was reviewed. It contains the required contents including a site water balance, erosion and sediment control plan, surface water monitoring program, groundwater monitoring program, and a surface and groundwater contingency plan. The Cadia website states that "The original water management plan was developed by Newcrest in consultation with the NSW Office of Water (NOW), Department of Environment, Climate Change and Water (DECCW) and local residents". Amendments to the Water Management Plan during the audit period have also been made in consultation with DPE Water and EPA as recorded in the document control. Select elements of the WMP's implementation were viewed during the audit site visit. This included erosion and sediment control measures, dam releases, and water monitoring.
	(b) include a: • Site Water Balance;	C	Section 4 of the WMP.
	• Erosion and Sediment Control Plan;	C	Section 6 of the WMP.
	• Surface Water Monitoring Program;	C	Section 8 of the WMP.
	• Groundwater Monitoring Program;	C	Section 8 of the WMP.
	• Surface and Ground Water Contingency Plan; and	C	Section 9 of the WMP.
	(c) include measures to accurately meter and monitor water take from surface and groundwater sources, or present the nominated strategy, that permits ongoing review of actual versus modelled predictions of take where relevant.	C	As part of implementing the Surface Water and Groundwater Monitoring Program, stream gauging station are calibrated and verified on a regular (quarterly) basis by ALS Hydrographics. A State of the Network October 2023 report was supplied by Cadia, which includes evidence of calibration.

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31.	The Site Water Balance must: (a) include details of: sources and security of water supply;	C	Documentation of the Site Water Balance is contained in Section 4 of the WMP. The model was developed in line with industry accepted standards and software (Goldsim probabilistic simulation). The WMP includes details of the sources and security of water supply in Section 4.2 and 4.3. DS (pers comms) confirmed that Cadia update the Site Water Balance annually (at minimum) and reported on accuracy in each AR during the audit period. The operational water balance spreadsheet was sighted. This sheet is maintained on a regular basis, with manual input of water data to inform internal operational meetings which occur each 4-6 weeks (committee on water supply). Cadia shared the intent to automate data input which is expected to further increase accuracy (less human error). It is recommended that Cadia to keep records of how the water balance has been updated; describing the methodology for updates and calibration to demonstrate continuous improvement and compliance with obligations. Reporting in the WAF (WAF FY24) shows a measurable difference between recorded and modelled volumes. It is also recommended that Cadia should consider potential improvements made to the GoldSim calibration and modelling.
	water use on site;	C	Section 4.4 of the WMP
	water management on site;	C	Section 4.2 of the WMP
	any off-site water transfers;	C	Sections 2.4 and 7 of the WMP

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	reporting procedures; and	C	Section 4.8 of the WMP
	(b) investigate and implement all reasonable and feasible measures to minimise water use by the project.	C	The AR's state that the water balance enables Cadia to measure and report on operational efficiencies which helps to drive efficiency measures, particularly water re-use over extraction. Reuse efficiency reported over the audit period was 73% (FY21), 71% (FY22), and 75% (FY23). Water use in litres per tonne milled was 391 (FY21), 377 (FY22), and 394 (FY23).
32.	The Erosion and Sediment Control Plan must: (a) be consistent with the requirements of Managing Urban Stormwater: Soils and Construction, Volume 1, 4th Edition, 2004 (Landcom);	NC	The Erosion and Sediment Control Plan (ESCP) is part of the approved WMP, contained in Section 6. The ESCP includes the design event and location and capacity of the sediment basins. Sediment management and maintenance measures include a marker peg, visual inspections on a regular basis and regular desilting. The AR also records the sediment dam status and last survey. However, the WMP provides limited information on how the erosion and sediment control structures comply with the Landcom (2004) requirements and measures to maintain the structures. (i.e. triggers). Evidence to confirm the management of some site sediment dams in accordance with Landcom (2004) and the WMP was not available at the time of audit. It is recommended that Cadia complete updated surveys of site sediment structures to ensure compliance with the WMP, with some previously surveyed in 2007. Some sediment dams require active pumping to meet design standards (i.e. do not have passive capacity) and

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			therefore could be at risk if the pumps in place fail. It is also noted that: - EPL 4.2. There were 25 uncontrolled discharges in FY23, with 2 water quality exceedances of EPL criteria. - Section 7.10 FYr22 appears to be a repeat of FY21 i.e. Sediment dam SRO desilting Sept 20.
	(b) identify activities that could cause soil erosion and generate sediment;	C	Section 6.2 of the WMP
	(c) describe measures to minimise soil erosion and the potential for the transport of sediment to downstream waters;	C	Measures to minimise soil erosion and the potential for the transport of sediment to downstream waters are described in Section 6.3 of the WMP and include construction activities, operational activities, environmental impact permits and sediment basins.
	(d) describe the location, function, and capacity of erosion and sediment control structures; and	C	Section 6.3 of the WMP
	(e) describe what measures would be implemented to maintain the structures over time.	C	Section 6.3 of the WMP. Examples include marker pegs, visual inspections on a regular basis and regular desilting.
33.	The Surface Water Monitoring Program must include: (a) detailed baseline data, based on sound statistical analysis, to benchmark the pre-mining natural variation in surface water flows and quality in creeks and other waterbodies that could potentially be affected by the project, including monitoring upstream and downstream where the Cadiangullong Creek discharges into the Belubula River;	C	The Surface Water and Groundwater Monitoring Program is part of the approved WMP, contained in Section 8. The detailed baseline data required by Condition 33(a) is contained in Appendix A (baseline surface water quality data) and Appendix B (baseline streamflow data). Viewed water quality monitoring data recorded by Cadia upstream and downstream of where the Cadiangullong Creek discharges into the Belubula River (generally collected monthly from January 2021). While this monitoring has been undertaken by Cadia as required, the WMP does not refer to these monitoring locations.

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			It is recommended that the Surface Water and Groundwater Monitoring Program is updated to refer to the monitoring undertaken upstream and downstream of where the Cadiangullong Creek discharge into the Belubula River in the baseline monitoring data.
	(b) surface water and stream health impact assessment criteria;	C	Section 9.1 of the WMP.
	(c) a program to monitor and assess:	C	Sections 8 and 9 of the WMP.
	impacts on surface water flows and quality;		
	impacts on water users;	C	See Schedule 3, Condition 33(c) above.
	stream health conditions in Swallow Creek, Cadiangullong Creek, Rodds Creek, Flyers Creek and Diggers Creek, including riparian vegetation;	C	See Schedule 3, Condition 33(c) above.
	potential acid rock drainage;	C	See Schedule 3, Condition 33(c) above.
	potential leakage or spillage from tailings, mineral concentrate and effluent pipelines;	C	See Schedule 3, Condition 33(c) above.
	(d) a program for the ongoing verification and refinement of the surface water model; and	C	Section 4 of the WMP. The water balance model is periodically reviewed and revised when material changes to site water infrastructure occur. The model is also used for hindcasting and forecasting.
	(e) reporting procedures for the results of the monitoring program and model verification.	C	Section 8 of the WMP includes: - Weather/rainfall; - Stream flow; - Surface water quality; - G/W level and quality; - Aquatic ecosystem. The results of the monitoring program are reported on in the audit period AR's.
34.	The Groundwater Monitoring Program must include: (a) detailed baseline data, based on sound statistical analysis, to benchmark the pre-mining natural variation in groundwater levels, yield and quality (including privately-owned bores within the	C	The Surface Water and Groundwater Monitoring Program is part of the approved WMP (Section 8). The detailed baseline data required by (a) is

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	maximum predicted 1 metre groundwater drawdown contour, as indicated on the plans in Appendix 5);		contained in Appendix D (baseline groundwater quality data) and Appendix E (baseline groundwater level data). Privately owned bores that are part of the landowner bore monitoring program include: • SS_B1; • GW704284; • GW057116; • GW701686; • GW702315; • GW702510; • GW704373; • GW702731; • GW047932; and • GW704232. It is noted that these privately owned bores within the 1 metre drawdown prediction contour were not referenced in the baseline groundwater level data in Appendices D and E of the WMP. DC (pers comms) confirmed that contemporary baseline groundwater level data from landowner bores are not proposed to be published in the WMP and will instead be referenced in future ARs. It is recommended that during the next update of the Surface Water and Groundwater Monitoring Program, Cadia include references to the relevant privately-owned bores and the review process required to be undertaken as part of each AR.
	(b) groundwater impact assessment criteria (including for monitoring bores and privately-owned bores);	C	Section 9.1 of the WMP provides Site specific guideline values (SSGVs) and groundwater level criteria.

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	(c) a program to monitor: impacts on the groundwater supply of potentially affected landowners;	C	Water Management Plan (Section 8.8) includes a program to monitor impacts on groundwater supply to landholders. Note: Between January and March 2023, there was a failure to collect routine groundwater and surface water samples in accordance with the Groundwater Monitoring Program (contained in the Water Management Plan). This non-compliance has been noted below against condition 35A relating to implementation of the Water Management Plan.
	impacts on springs and groundwater dependent ecosystems;	C	Section 8.5 of the WMP includes monitoring of one spring as the primary spring monitoring location and adjacent reference groundwater bore. Cadia's AR's provide the results from the monitoring program.
	the volume of groundwater seeping into open pit and underground mine workings;	C	Cadia's groundwater monitoring program, Cadia's AR's and Australasian Groundwater & Environmental Consultants (AGE) report on 'Cadia Annual Groundwater Monitoring Review' includes monitoring and reporting on the estimated groundwater volumes.
	regional groundwater levels and quality in all potentially affected aquifers;	C	Table 17 of the WMP sets out the groundwater monitoring locations, to measure the impact to level and water quality and physical parameters e.g. pH, electrical conductivity).
	potential acid rock drainage;	C	The AGE report, 'Cadia Annual Groundwater Monitoring Review' includes monitoring and reporting on pH levels against Water Management Plan trigger levels. Cadia's relevant TARP instigates the corresponding investigation when groundwater quality triggers are exceeded.

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	the hydraulic gradient and groundwater quality around the base of the Cadia Hill pit;	C	Cadia's AR's (FY21 and FY22) and the AGE report includes an annual groundwater monitoring review which provides comment on groundwater and hydraulic gradient around Cadia Hill pit (Section 4.2.3) Appendices were not supplied with the FY23 AR.
	(d) a program for the ongoing verification and refinement of the groundwater model; and	C	Section 5 of the WMP. AGE has undertaken a groundwater model update and report in April 2021.
	(e) reporting procedures for the results of the monitoring program and model verification.	C	Section 10 of the WMP.
35.	The Surface and Ground Water Contingency Plan must include: (a) a protocol for the investigation, notification and mitigation of any exceedances of the surface water, stream health and groundwater impact assessment criteria;	C	Section 9 of the WMP contains the surface and ground water contingency plans. Plans have been developed in combination with TARPs and EPL 5590. Plans need: - Procedure; - Protocol; - Measures, Five TARPS's were provided for; - Surface Water - Baseflow (only Flyers Ck) - Water Quality - Groundwater - Level - Water Quality - Landholder Bore levels. Note: Reporting of baseflow/streamflow in the annual review should be consistent with the TARP. Triggers are not clear in reference to Belubula River (Schedule 3, Condition 5). TARP's or operation plans for the following were identified in the WMP but not supplied.

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			• Cadia Valley Operations Dam Safety Emergency Plan • Critical Dam Infrastructure TARP • Tailings Storage Facility TARP • Cadiangullong Dam Operation and Maintenance Plan • Hoares Creek Dam Operation and Maintenance Plan • Upper Rodds Creek Dam Operation and Maintenance Plan • Northern and Southern Tailings Storage Facilities Operation and Maintenance Plan.
	(b) a procedure for investigating monitoring and minimising leakage from the Cadia Hill open cut pit towards Cadiangullong creek;	C	Section 9.1.4. AGE 'Cadia Annual Groundwater Monitoring Review' report provides an annual investigation of any leakage from Cadia Hill open cut pit. Current investigation shows an Inwards hydraulic grade towards pit and away from Cadiangullong Ck (compliant) Refer to Schedule 3, Condition 34.
	(c) measures to mitigate and/or compensate potentially affected landowners in accordance with the compensatory water supply requirements in condition 24 above;	C	Section 9.1.2 of the WMP.
	(d) a protocol for providing advance warning and water supply measures for landowners of privately-owned land that are predicted to exceed the surface or ground water impact assessment criteria at some stage during the project life;	NC	Sect 9.1.7 of the WMP. The WMP does not include an explicit definition of the protocol for providing warning of water supply issues and water supply response measures. It is recommended that Cadia include explicit description of the protocol for advance warning of water supply issues and water supply response measures for privately owned land in the WMP.
	(e) a protocol for investigating, evaluating and providing the baseflow offsets required under condition 25 above, including a detailed evaluation (in the initial plan) of offsets provided under	C	Contained in Section 9 of the WMP. AR and TARP for Flyer Creek. Note a direct linkage between Flyers Ck and how this TARP satisfies

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	previous consents for the project;		Schedule3, Condition 25 was not clear.
	(f) the procedures that would be followed if any significant unforeseen impacts on surface or ground water are detected during the project.	C	Contained in Sections 9 and 10.2 of the WMP.
35A.	The Proponent must implement the Water Management Plan as approved by the Secretary.	NC	Between January and March 2023, there was a failure to collect routine groundwater and surface water samples in accordance with the Groundwater Monitoring Program (as approved in the WMP). It is recommended that Cadia review their internal procedures to ensure water monitoring is undertaken in accordance with the WMP.
Mine Water Management Performance Measures			
35B.	The Proponent must comply with the following mine water management performance measures to the satisfaction of the Secretary, including: (a) ensure that the capacity of the NTSF and STSF, and any relocated or newly constructed dams which receive runoff or seepage from the tailings storage facilities are designed to meet the requirements of the Australian National Committee on Large Dams' Guidelines on Tailings Dams – Planning Design and Construction, Operation and Closure (July 2019) or its latest version, and that the core embankment and foundations achieves a permeability standard of at least 1×10^{-9} m/s and 1 metre depth (or equivalent permeability performance), unless otherwise agreed by the EPA and the Secretary;	C	DS (pers comms) noted Cadia is reviewing the consistency with this condition and findings will be provided to DPE. As this is in progress, compliance is not yet able to be demonstrated. It is recommended that Cadia to submit results of the water management design review to the Secretary for review as soon as feasible. It is also recommended that CVO commit to the AR including details of any dams that Condition 35B(a) relates to and confirming their capacity and permeability specifications and validation.
	(b) ensure any dams constructed on minor streams to manage dirty/contaminated runoff are designed in accordance with relevant industry standards and must be solely used for the purpose of managing runoff to prevent contamination;	C	The WMP (Section 6.3.4) states that sediment basins are designed, managed and maintained in accordance with the relevant standards including Landcom (2004), DECC (2008) and EPL 5590. It is recommended that Cadia specify and summarise the design parameters in the WMP, to demonstrate how they are meeting

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			Schedule 3, Condition 35B(b).
	(c) seepage dams must be constructed to retain tailings storage facility seepage to comply with nil off-site discharge and in accordance with Section 120 of the POEO Act;	C	The WMP (Section 4.1.1.2) states that mine affected dams and sediment dams are design for a 1% AEP 72 hr.
	(d) the design, construction and maintenance of tailings storage facilities (including seepage storages) and wastewater storage must maintain a minimum freeboard to accommodate a 1 in 100 year Australian Recurrence Interval (ARI), 72 hour rainfall event without discharge; and	C	The WMP (Section 4.1.1.2) defines mine affected dams which are designed for 1% AEP 72 hr storm however the minimum freeboard is not recorded in the Water Management Plan. It is recommended that Cadia specify the minimum freeboard in the WMP. Note: Reporting against Schedule 3, Condition 23 includes a non-compliance related to discharge from a sediment dam in October - November 2022.
	(e) surface runoff into sediment dams must maintain a minimum freeboard to accommodate a 1 in 20 year ARI, 72 hour rainfall event without discharge.	C	The WMP (Section 4.1.1.2) defines mine affected dams which are designed for 5% AEP 72 hour storm however the minimum freeboard not recorded in the Water Management Plan. It is recommended that Cadia specify the minimum freeboard in the WMP. Note: Reporting against Schedule 3, Condition 23 includes a non-compliance related to discharge from a sediment dam in October - November 2022.
35C.	The Proponent must notify Dams Safety NSW of its intention make any changes to declared dams, before any significant change is made to the configuration of the dam that may affect the safety of the dam.	C	The WMP (Section 4.1.1.1) notes that declared dams include the Northern Tailings Storage Facility, Southern Tailings Storage Facility, Cadiangullong Dam, Upper Rodds Creek Dam and Hoares Creek Dam. It is noted that the Northern Tailings Storage Facility is currently undergoing remediation. Viewed CVO correspondence with Dams Safety NSW dated 13/12/23 on the NSW Planning

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			Portal. Cadia has submitted their Annual Dams Safety Standards Reports for the years 2021 and 2022. These reports are due by March the following March 31. DS (pers comms) confirmed that the 2021 report was the first such report required under the Annual Dam Safety Standards. This Dams Safety Standards Reports summarise assessment of the • Dam consequence category; • Dam safety management system; • Assessment of societal and individual risk rating; and The Dam Safety management system was reviewed. The other reports have been noted but not sighted.
35D.	Works within waterfront land must be carried out to meet the requirements of the Guidelines for Controlled Activities on Waterfront Land (NRAR 2018).	NT	Section 6.1 of the WMP states that Cadia will carry out works in accordance with this requirement. Cadia staff advised that no works were carried out within waterfront land during the audit period.
REHABILITATION AND BIODIVERSITY OFFSETS: Rehabilitation			
36.	By the end of 2010, the Proponent shall prepare a Rehabilitation Strategy for the project to the satisfaction of the Secretary. This strategy must: (a) be prepared by a team of suitably qualified and experienced experts whose appointment has been endorsed by the Secretary;	C	DM (pers comms) confirmed that the Rehabilitation Strategy was being updated at the time of audit. Sighted copy of draft Rehabilitation Strategy document No. 710-005-EN-STR-00XX dated November 2023. Sighted copy of DPE Endorsement of Suitably Qualified and Experienced Expert (MPo6_o295) – Rehabilitation Strategy letter dated 10 May 2023. The letter notes the Department is satisfied that Cadia's proposed expert (Umwelt) is suitably qualified and experienced to prepare

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			the revised Rehabilitation Strategy. It is recommended that the updated Rehabilitation Strategy document consider the requirements of Schedule 3, Condition 41B (for the site Rehabilitation Management Plan (RMP)) and the requirements of the <i>Mining Act 1992</i> to align the two documents and avoid potential inconsistencies. The site is operating under the approved Rehabilitation Strategy document 710-005-EN-STR-0002 dated 12 June 2020. Section 11.2 of the Rehabilitation Strategy notes that CVO has consulted with an approved expert panel during the preparation of the strategy and lists the members of the panel.
	(b) be prepared in consultation with relevant stakeholders, including the RR, MEG, BCS, DPIE Water, Councils and the CCC;	C	Section 11.2 of the 2020 Rehabilitation Strategy notes that CVO consulted with members of the CCC, RR and an expert panel which was approved by the Director General on the 28 October 2010. The 2020 Rehabilitation Strategy does not list consultation with Council in relation to preparation of the strategy. Sighted draft Rehabilitation Strategy that notes revision 4 of the document was issued to RR, BCS, MEG, DPE – Water, CCC, Orange City Council, Blayney Shire Council and Cabonne Shire Council on 3 July 2023. Sighted RR letter dated 11 September 2023. The letter refers to the Cadia Rehabilitation Strategy submitted to RR on 3/07/23. The letter notes RR had reviewed the document and had concerns that the revised Rehabilitation Strategy had scaled back or removed significant rehabilitation commitments in relation to the current rehabilitation strategy. The letter states further

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			justification for scaling back rehabilitation commitments in the revised June 2023 rehabilitation strategy.
	(c) investigate options for the future use of disturbed areas including voids upon the completion of mining;	C	Section 5.2 and 9 of the 2020 Rehabilitation Strategy investigate options for the future use of disturbed areas including voids upon the completion of mining. Sections 3.4, 5 and 6 of the draft Rehabilitation Strategy provide investigate options for the future use of disturbed areas including voids upon the completion of mining
	(d) describe and justify the proposed rehabilitation strategy for the site, including the post-mining landform and use;	C	Section 5.2 of the 2020 Rehabilitation Strategy describes and justify the proposed rehabilitation strategy for the site, including the post-mining landform and use. Sections 1.3, 5 and 6 pf the draft Rehabilitation Strategy describe and justify the proposed rehabilitation strategy for the site, including the post-mining landform and use
	(e) define the rehabilitation objectives for the site, as well as the proposed completion criteria for this rehabilitation;	C	Section 5.2 and 9 of the 2020 Rehabilitation Strategy define the rehabilitation objectives for the site, as well as the proposed completion criteria for this rehabilitation. DM (pers comms) confirmed that the Rehabilitation Strategy refers to the RMP for the objectives and criteria. Sighted the draft Rehabilitation Strategy, where Sections 1.3 and 3 define the rehabilitation objectives for the site, as well as the proposed completion criteria for this rehabilitation
	(f) include a conceptual final landform and rehabilitation plan;	NC	Figure 2 of the 2020 Rehabilitation Strategy shows conceptual final land uses. The 2020 Rehabilitation Strategy does not include a

Cond	Project Approval o6_o295	Status	Evidence
			conceptual final landform and rehabilitation plan. Sighted draft Rehabilitation Strategy where the conceptual final landform and rehabilitation plan has not yet been included. Sighted copy of Rehabilitation Strategy document No. 710-005-EN-STR-0002 approval date 12 June 2020 which includes a conceptual final land uses figure. It is recommended that the Rehabilitation Strategy is revised to include a conceptual final landform and rehabilitation plan.
	(g) include a life of mine rehabilitation and mining schedule which outlines key progressive rehabilitation milestones from the commencement of operations through to decommissioning and mine closure; and	NC	The 2020 Rehabilitation Strategy does not include a life of mine rehabilitation and mining schedule which outlines key progressive rehabilitation milestones from the commencement of operations through to decommissioning and mine closure. Sighted draft Rehabilitation Strategy where section 4 which provides a conceptual life of mine rehabilitation and closure schedule for Cadia. Section 4.2 of the draft Rehabilitation Strategy describes progressive rehabilitation. It is recommended that once approved, Cadia operates in accordance with the updated version of the Rehabilitation Strategy which includes a conceptual life of mine rehabilitation and closure schedule for Cadia.
	(h) managing and minimising any adverse socio-economic effects associated with mine closure.	NC	The 2020 Rehabilitation Strategy does not provide details for managing and minimising any adverse socio-economic effects associated with mine closure. Sighted draft Rehabilitation Strategy where section 6.2 describes managing and minimising

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			adverse socio-economic effects associated with mine closure. It is recommended that once approved, Cadia operates in accordance with the updated version of the Rehabilitation Strategy which details measures for managing and minimising any adverse socio-economic effects associated with mine closure.
	<i>Note: The strategy should build on the concept strategy depicted in Appendix 6.</i>	Note only	Noted.
37.	The Proponent shall: (a) carry out rehabilitation progressively, that is, as soon as reasonably practicable following disturbance; and	C	DM (pers comms) confirmed that there were limited opportunities for progressive rehabilitation during the audit period, with some disturbance of previous rehabilitation areas required for remedial works. The total area of land under active rehabilitation during the reporting period included: • 331.9 ha (2020 AR); • 333.7 ha (2021 AR); • 335.9 ha (2022 AR); • 261 ha (2023 AR).
	(b) achieve the rehabilitation objectives in the Rehabilitation Strategy (see condition 36), to the satisfaction of the RR.	NC	Table 2-1 of the draft Rehabilitation Strategy describes the rehabilitation requirements of PA o6_o295 and notes "(b) Achieve the rehabilitation objectives in the Rehabilitation Strategy (condition 36), to the satisfaction of the Resources Regulator". Section 1.3 of the draft Rehabilitation Strategy notes that the Rehabilitation Objectives and accompanying Final Landform and Rehabilitation Plans (FLRPs) were submitted and approved in October 2023 by the NSW RR. Endorsement from RR that Cadia rehabilitation has met the nominated objectives had not been

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			sought at the time of audit. DM (pers comms) confirmed that two Section 240 Notices and been provided to Cadia during the audit period relating to rehabilitation performance not trending towards appropriate completion criteria, the most recent of which called for a number of assessments to be completed. As part of the review, WSP was engaged by Cadia and modelled a 1% AP over waste rock dump in high detail. The WSP <i>'Detailed design of water management mitigation measures of the north and south waste rock dumps'</i> report (dated 29/11/23) (WSP report) identified significant failures and more minor erosion features which had stabilised within rehabilitation sections of the NRWD and SWRD and provided a recommended program of works to rectify the issues identified. Sighted copy of Newmont letter dated 30 November 2023 lodging the response to the Section 240 Notices, which included the WSP report. Sighted Rehabilitation Area on the SWRD during the site inspection, see Plate 21 of Appendix F. It is recommended that Cadia implement the actions agreed with RR and update the RMP and internal procedures to ensure a program is in place to track ongoing rehabilitation performance. DM (pers comms) confirmed that there was some good establishment and others where there is not in 2021 section notice that vegetation growth is not trending towards final landuse. Cumberland Ecology were engaged and their <i>'Rehabilitation Assessment Report – South Waste Rock Dump and North Waste Rock Dump'</i> report dated 26 July 2022 provided a

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			number of recommendations, including Acacia Control, Seeding and Planting of Tubestock, minimising disturbance, providing protection, erosion control, soil amendments, holistic rehabilitation and habitat improvement and the use of reference sites for assessment of progress. DM (pers comms) also confirmed that in 2023, vegetation thinning was completed on the NWRD. Surveys have been completed to identify whether there was any relationship between areas of poor rehabilitation development and soil properties. DM (pers comms) confirmed that Cadia has added new TARPs in most recent version in draft RMP at the time of audit.
Biodiversity Offsets			
38.	The Proponent shall: (a) implement the biodiversity offset strategy as described in the EA, and summarised in Table 14 (and shown conceptually in Appendix 6); and	C	DM (pers comms) confirmed that implementation of the biodiversity offset strategy is described within the Land and Biodiversity Management Plan (LBMP). DM (pers comms) confirmed a program of weed control, fencing maintenance and repairs has occurred during the audit period for biodiversity offset sites. Viewed evidence including land management contractor invoices from 2021 – 2023 that indicates that Cadia are generally implementing the biodiversity offset strategy generally in accordance with the EA and the LBMP, however several general improvement opportunities were identified. It is also noted that a revised Biodiversity Management Plan document was being prepared at the time of audit (see Schedule 3, Condition 41).

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			As a general improvement observation, it is recommended that Cadia implement an internal process that records land and biodiversity monitoring and management works for the site biodiversity offsets against the actions identified in the LBMP.
	(b) investigate ways to salvage and beneficially use resources (including timber, fauna habitat, seed and soil resources) in areas subject to subsidence as far as is reasonable and feasible, in consultation with the BCS, to the satisfaction of the Secretary.	C	DM (pers comms) confirmed that clearing within subsidence zones has occurred during the audit period, to monitor cracking and beneficial reuse of those resources. Soil stripping has also occurred around the tailings facility, stockpiles have been created and hydro mulched. DM (pers comms) confirmed that any fauna habitat trees salvaged where possible and stored within the subsidence zones for use in future rehabilitation areas. Viewed copy of an example Environmental Impact Permit (EIP) Sub Zone Clearing document dated 31 July 2023. EIP includes pre-clearing surveys and instruction for the management of topsoil and habitat resources during clearing. The locations and volumes of topsoil stockpiles on site are described in Section 4.1.1 of the 2023 AR. Sighted copy of skillset Land Works Work Report reference LWQ331 for December 2023. The description of the report includes seed collection. The report includes photographs of seed collection. Sighted photographs of seed storage container and Cadia internal Memo date 1/11/23 documenting maintenance of the CVO Seed Container, with associated 'Seed Register' spreadsheet. Sighted copy of Newmont email dated 13 November 2023 which notes seed collection will

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			be occurring in the subsidence zone. Sighted email from Skillset dated 20 July 2023 which references a seed collection register and notes that around 15000 seeds were processed.												
	<i>Table 14: Biodiversity Offset Strategy</i> <table><tr><th>Area</th><th>Minimum Size*</th></tr><tr><td>Black Rock Range Offset Area – Enhancement Area</td><td>647 ha</td></tr><tr><td>Black Rock Range Offset Area – Revegetation Area</td><td>162 ha</td></tr><tr><td>Flyers Creek and Belubula River Offset Area</td><td>97 ha</td></tr><tr><td>Stratton Vale Offset Area</td><td>60 ha</td></tr><tr><td>Total</td><td>966 ha</td></tr></table> <i>*Subject to final survey constraints</i>	Area	Minimum Size*	Black Rock Range Offset Area – Enhancement Area	647 ha	Black Rock Range Offset Area – Revegetation Area	162 ha	Flyers Creek and Belubula River Offset Area	97 ha	Stratton Vale Offset Area	60 ha	Total	966 ha	Note only	Noted.
Area	Minimum Size*														
Black Rock Range Offset Area – Enhancement Area	647 ha														
Black Rock Range Offset Area – Revegetation Area	162 ha														
Flyers Creek and Belubula River Offset Area	97 ha														
Stratton Vale Offset Area	60 ha														
Total	966 ha														
39.	Within 2 years of the date of this approval, the Proponent shall make suitable arrangements to provide appropriate long term security for the offset areas to the satisfaction of the Secretary .	NC	Arrangements for the long term security of biodiversity offset areas had not been approved by DPE at the time of audit. DM noted that arrangements for progressing the long term security of the biodiversity offset areas during the audit period have included the following: • All three offset areas have been rezoned as conservation areas (E2 Environmental Conservation) - Black Rock Range 18/01/2013, Flyers Creek & Stratton 16/04/2021, • A Conservation & Biodiversity Bond (C&B Bond) has been approved for Flyers Ck & Black Rock Range (approved 29 November 2013). A revised C&B Bond has been prepared and submitted to DPE to incorporate Stratton Vale (added as an Offset Area in 2015), with progress including the following. – Updated C&B Bond revision was												

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			submitted to the DPE on 29/11/23; – DPE reviewed and provided feedback on 08/01/2024 requesting additional information be provided prior to approving the updated bond; – Early draft Conservation Agreements (CA) for all three offset areas have been prepared by BCT and provided to Cadia in November 2023. Cadia has reviewed the draft CAs and provided comments and recommended changes. These revisions to the original draft CAs are currently under review by BCT. It is recommended that Cadia continue to liaise closely with the relevant agencies to secure the biodiversity offsets for the project in the long term.
40.	Within 6 months of the approval of the Biodiversity Management Plan (see condition 41 below), the Proponent shall lodge a conservation and biodiversity bond with the Department to ensure that the offset strategy is implemented in accordance with the performance and completion criteria of the Biodiversity Management Plan. The sum of the bond shall be determined by: (a) calculating the full cost of implementing the offset strategy; and	C	Deemed compliant in previous IEA.
	(b) employing a suitably qualified quantity surveyor to verify the calculated costs, to the satisfaction of the Secretary.	C	See Condition 40(a) above.
	<i>Notes:</i> • <i>If the offset strategy is completed to the satisfaction of the Secretary, the Secretary will release the conservation bond.</i> • <i>If the offset strategy is not completed to the satisfaction of the Secretary, the Secretary will call in all or part of the conservation bond, and arrange for the satisfactory completion of the relevant works.</i>	Note only	Noted.
Retirement of Credits			
40A.	Within two years of commencing construction of the MOD 13 Southern Tailings Storage Facility buttressing, unless the Secretary agrees otherwise, the Proponent must retire biodiversity credits of a	C	Viewed BCT <i>Statement confirming payment into the Biodiversity Conservation Fund for an offset</i>

Cond	Project Approval o6_o295	Status	Evidence																								
	number and class identified in Tables 14.1 and 14.2 below. The retirement of credits must be carried out in accordance with the Biodiversity Offsets Scheme of the Biodiversity Conservation Act 2016, to the satisfaction of the Biodiversity Conservation Trust.		<i>obligation</i> dated 03/03/23. The statement confirms that Cadia made the payments into the fund required for Modification 13 on 27/02/23.																								
	Table 14.1: Ecosystem Credit Requirements <table><tr><th>Ecosystem Credits</th><th>Disturbance Area (hectares)</th><th>Credits Required</th></tr><tr><td>PCT266 - White Box grassy woodland in the upper slopes sub-region of the NSW South Western Slopes Bioregion</td><td>0.31</td><td>8</td></tr></table>	Ecosystem Credits	Disturbance Area (hectares)	Credits Required	PCT266 - White Box grassy woodland in the upper slopes sub-region of the NSW South Western Slopes Bioregion	0.31	8	Note only.	Noted.																		
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	Table 14.2: Species Credit Requirements <table><tr><th>Threatened Species</th><th>Disturbance Area (hectares)</th><th>Credits Required</th></tr><tr><td>Squirrel Glider - <i>Petaurus norfolcensis</i></td><td>0.31</td><td>8</td></tr><tr><td>Small Purple-pea - <i>Swainsona recta</i></td><td>0.31</td><td>8</td></tr><tr><td>Silky Swainson-pea - <i>Swainsona sericea</i></td><td>0.31</td><td>8</td></tr><tr><td>Pink-tailed Legless Lizard - <i>Aprasia parapulchella</i></td><td>0.31</td><td>8</td></tr><tr><td>Little Eagle - <i>Hieraaetus morphnoides</i></td><td>0.31</td><td>6</td></tr><tr><td>Superb Parrot - <i>Polytelis swainsonii</i></td><td>0.31</td><td>8</td></tr><tr><td>Total Credits</td><td>0.31</td><td>46</td></tr></table>	Threatened Species	Disturbance Area (hectares)	Credits Required	Squirrel Glider - <i>Petaurus norfolcensis</i>	0.31	8	Small Purple-pea - <i>Swainsona recta</i>	0.31	8	Silky Swainson-pea - <i>Swainsona sericea</i>	0.31	8	Pink-tailed Legless Lizard - <i>Aprasia parapulchella</i>	0.31	8	Little Eagle - <i>Hieraaetus morphnoides</i>	0.31	6	Superb Parrot - <i>Polytelis swainsonii</i>	0.31	8	Total Credits	0.31	46	Note only.	Noted.
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Total Credits	0.31	46																									
4oB.	Within six months of commencing construction of the Modification 14 works, unless the Secretary agrees otherwise, the Proponent must retire biodiversity credits of a number and class identified in Tables 14.3 and 14.4 below. The retirement of credits must be carried out in accordance with the Biodiversity Offsets Scheme of the <i>Biodiversity Conservation Act 2016</i> .	C	DM (pers comms) confirmed that Cadia is in the process of securing a Biodiversity Stewardship site to meet the credit requirements for Modification 14, in consultation with the Credit Supply Taskforce, DPE and other agencies. DM (pers comms) also noted that Cadia had requested an extension with DPE which has been granted until January 2024.																								

Cond	Project Approval o6_o295	Status	Evidence																		
	<i>Table 14.3: Ecosystem Credit Requirements</i> <table><tr><th><i>Ecosystem Credits</i></th><th><i>Disturbance Area (hectares)</i></th><th><i>Credits Required</i></th></tr><tr><td>PCT266 - White Box grassy woodland in the upper slopes sub-region of the NSW South Western Slopes Bioregion</td><td>13.1</td><td>358</td></tr><tr><td>PCT277 – White Box Yellow Box Blakey’s Red Gum Grassy Woodland and Derived Native Grassland</td><td>15.8</td><td>197</td></tr><tr><td>Total Credits</td><td></td><td>555</td></tr></table>	<i>Ecosystem Credits</i>	<i>Disturbance Area (hectares)</i>	<i>Credits Required</i>	PCT266 - White Box grassy woodland in the upper slopes sub-region of the NSW South Western Slopes Bioregion	13.1	358	PCT277 – White Box Yellow Box Blakey’s Red Gum Grassy Woodland and Derived Native Grassland	15.8	197	Total Credits		555	Note only.	Noted.						
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Biodiversity Management Plan																					
41.	Prior to any vegetation clearing impacting biodiversity values, as identified in the Biodiversity Development Assessment Report for Modification 14, unless otherwise agreed by the Secretary, the Proponent must prepare a Biodiversity Management Plan for the project to the satisfaction of the Secretary. This plan must: (a) be prepared in consultation with BCS;	C	Sighted copy of Land and Biodiversity Management Plan (LBMP) dated 13 October 2022. The Landscape Management Plan does not note that it was prepared in consultation with BCS. Sighted copy of Department letter dated 24 December 2021 which refers to Cadia letter dated 15 December 2021 seeking approval to commence vegetation clearance in areas associated with the approved Modification 14, prior to the approval of the Biodiversity Management Plan required under Modification 14 conditions. The letter notes DPE’s understanding that Cadia considers that consultation with the BCS required for the Biodiversity Management Plan will significantly																		

Cond	Project Approval o6_o295	Status	Evidence
			delay the preparation of the Biodiversity Management Plan required for the commencement of construction associated with Modification 14. The letter also notes that Cadia's December 2021 letter also advised that surface disturbance works are to be restricted to between January and March to avoid Squirrel Glider and Superb Parrot breeding periods. The letter notes that the Department considers that impacts to biodiversity values can be appropriately managed under the existing LBMP and the preparation of Threatened Species Management Strategies for the Superb Parrot and Squirrel Glider. The Department noted that the Biodiversity Management Plan must still be submitted to the Department within three months of Modification 14. DC (pers comms) confirmed that the requirement to prepare a Biodiversity Management Plan was added into PAo6_o295 following approval of Modification 14. A draft Biodiversity Management Plan has been prepared and is currently under review by the DPE. Following approval, the BMP will replace the existing (and currently approved) LBMP, noting the LBMP was approved prior to the requirement for a Biodiversity Management Plan post-Modification 14. It is noted that Cadia initially lodged the draft Biodiversity Management Plan for regulatory review in May 2022. Sighted BCS letter dated 23 May 2022 that notes DPE are seeking comments on the draft BMP (version dated 11 May 2022). The letter notes that the BCS has reviewed the draft BMP and recommended that the draft BMP be revised to ensure:

Cond	Project Approval o6_o295	Status	Evidence
			• All requirements of Condition 41 are adequately addressed; • Information within the document is clearly presented, and consistent with the most recent project site environmental assessments and the approved Threatened Species Management Strategy; • The BMP utilises all monitoring data and offset property site investigations to refine the management actions proposed for the Black Rock Range, Flyers Creek/Belubula River and Stratton Vale offset properties; • Specific biodiversity management zones/domains are identified for the project site and offset properties, each with specific and measurable performance targets and measures, management actions and completion criteria. DM (pers comms) noted that a revised version of the BMP was lodged in May 2023. It is recommended that Cadia continue to liaise closely with the relevant agencies to gain approval of the Biodiversity Management Plan required for Modification 14.
	(b) include: (i) the rehabilitation objectives for the offset areas;	NT	Section 2.2 and 9.5 of the LBMP includes rehabilitation objectives for offset areas.
	(ii) a description of the short, medium, and long term measures that would be implemented to implement the offset strategy and manage the remnant vegetation and habitat on the site and in the offset areas;	NT	Section 2.6 and 9.10 of the LBMP includes a description of the short, medium, and long term measures that would be implemented under the offset strategy to manage the remnant vegetation and habitat on the site and in the offset areas
	(iii) detailed performance and completion criteria for the implementation of the offset strategy;	NT	Section 8 and 9.11 of the LBMP includes detailed

Cond	Project Approval o6_o295	Status	Evidence
			performance and completion criteria for the implementation of the offset strategy
	(iv) a detailed description of the measures that would be implemented, including the procedures to be implemented for: • managing and mitigating impacts on biodiversity values, particularly for the Superb Parrot and Squirrel Glider; • implementing revegetation and regeneration within offset areas, including establishment of canopy, sub-canopy (if relevant), understorey and ground strata;	NT	Section 9.14 of the LBMP includes a table which provides summary of key considerations for known threatened species and Endangered Ecological Communities that occur within the offset portions including the Superb Parrot and Squirrel Glider. See Schedule 3, Condition 41(a) for related correspondence provided to Cadia from DPE regarding interim management and mitigation requirements for the Superb Parrot and Squirrel Glider during the period prior to approval of the Biodiversity Management Plan required for Modification 14.
	• collecting and propagating seed for rehabilitation works;	NT	Section 2.6 of the LBMP includes an Action Plan for Mine Disturbed Areas. Collect native seed for rehabilitation purposes is noted as a Management Statement and Native seed collection and storage to be consistent with best management practice (Florabank) and maintaining a seed store database noted as an action. Sighted copy of skillset Land Works Work Report reference LWQ331 for December 2023. The description of the report includes seed collection. The report includes photographs of seed collection. Sighted photographs of seed storage container and Cadia internal Memo date 1/11/23 documenting maintenance of the CVO Seed Container, with associated 'Seed Register' spreadsheet. Sighted copy of Newmont email dated 13 November 2023 which notes seed collection will be occurring in the subsidence zone.

Cond	Project Approval o6_o295	Status	Evidence
			Sighted email from Skillset dated 20 July 2023 which references a seed collection register and notes that around 15000 seeds were processed.
	salvaging and placement of habitat features;	NT	Section 2.11 of the LBMP describes habitat salvage procedures.
	controlling weeds and feral pests, including terrestrial and aquatic species;	NT	Section 3.3 of the LBMP notes that weed control will be achieved using a range of management techniques (including chemical, physical and biological means) aimed at preventing seeding of weeds and encouraging strong competition from desirable species. Section 9.12 of the LBMP describes weed control measures and notes control of weeds will be undertaken using an integrated approach that reduce the prevalence of the weed (including preventing seed set, spread etc) and increases the presence of desirable species that will eventually occupy the space or niche of the weed and outcompete future establishing weeds. Section 9.13 of the LBMP describes pests and pest control measures noting the control of pests will be undertaken using an integrated approach that reduce the prevalence (and impact) of the pest and include destruction of the pest / removal of harbor / habitat where possible. The table within Section 9.13 of the LBMP lists terrestrial pest species and control options, however measures to be implemented for the management of pest aquatic species are not detailed. See Schedule 3, Condition 41(a).

Cond	Project Approval o6_o295	Status	Evidence
	managing grazing and agriculture on site;	NT	Section 3.8 of the LBMP describes the Grazing Rights Agreement (GRA) that has been developed between Cadia and agistees of farming properties. Section 3.8 notes that the GRA includes the Grazing Management Protocol Manual and the Farm Safety Management Plan and that GRA includes broad topics that directly relate to the sustainable management of land and biodiversity. Section 3.9 of the LBMP describes the procedure for Destocking During Drought Conditions if overgrazing is observed.
	controlling access;	NT	Section 4.1 of the LBMP includes a risk assessment which includes the unwanted event of Un-authorised access to rehabilitation areas and lists the recommended action as areas fenced and maintained to discourage un-authorised access. Offset areas are fenced with signs installed. Section 8.2 notes criteria that have been developed for the closure of the Ridgeway and Cadia East subsidence zones and the Cadia Hill Pit including: - Access is 100% restricted to subsidence zone areas; and - Access is restricted to the Cadia Hill Pit, with the exception of undertaking water sampling (if safely accessible). Fencing was observed to be in place around the Ridgeway subsidence zone at the time of the audit (see Plate 26 of Appendix F). Section 9.10.10 of the LBMP includes the management action of undertaking annual inspections for unauthorised access; devise

Cond	Project Approval o6_o295	Status	Evidence
			actions and timeframes to increase security of offset areas as required. Annual inspection reports documenting the status of fencing in place to control access to biodiversity offset areas were not available for review at the time of audit. It is recommended that Cadia undertake boundary fence inspections on an annual and document any actions required in future AR's. See Schedule 3, Condition 41(a).
	bushfire management;	C	Section 1.6.1 of the LBMP notes that the Bushfire Management Plan is a standalone document and will outline bushfire mitigation and control measures for the mine disturbed area, agricultural areas and conservation offset areas
	(v) a program to monitor the effectiveness of these measures, and progress against the performance and completion criteria;	C	Section 8.1 of the LBMP includes a program to monitor the effectiveness of these measures, and progress against the performance and completion criteria
	(vi) a description of the potential risks to successful revegetation, and a description of the contingency measures that would be implemented to mitigate these risks;	C	Section 4 of the LBMP includes a description of the potential risks to successful revegetation, and a description of the contingency measures that would be implemented to mitigate these risks.
	(vii) details of who would be responsible for monitoring, reviewing, and implementing the plan; and	C	Section 6 of the LBMP includes details of who would be responsible for monitoring, reviewing, and implementing the plan.
	(viii) a Threatened Species Management Protocol, which outlines management strategies to protect any threatened flora and fauna species during construction, operation and post-mining.	C	Section 2.10 of the LBMP includes a Threatened Species Management Protocol (TSMP) and notes the key components of the TSMP are observations/surveys for threatened species (prior to disturbance and during operations), threatened species assessment and management strategy, regulatory review and

Cond	Project Approval o6_o295	Status	Evidence
			monitoring.
41A.	The Proponent must implement the approved Biodiversity Management Plan.	NT	See Schedule 3, Condition 41(a) above. It is recommended that Cadia continue to liaise closely with regulatory agencies to gain approval for the Biodiversity Management Plan required for Modification 14.
Rehabilitation Management Plan			
41B.	The Proponent must prepare and implement a Rehabilitation Management Plan in accordance with the conditions imposed on the mining lease(s) associated with the project under the Mining Act 1992. The plan must: (a) be prepared in accordance with the relevant requirements specified under the Mining Act 1992;	C	Sighted copy of Cadia Rehabilitation Management Plan (RMP) ref: 710-005-EN-PLA-0026 dated 30 November 2022. Section 2.1 of the RMP refers to requirements under the <i>Mining Act 1992</i> that apply to the Project.
	(b) include a detailed plan for the reinstatement and review of the proposed: ecological rehabilitation and native woodland areas, including a protocol for progressive reviews to demonstrate that the target vegetation communities are being achieved; and	C	Section 2.3 of the RMP notes that the dominant final land use will be native ecosystem (woodland and grassland) with smaller areas of agriculture (grazing), voids, water management, water storage and heritage. Section 2.4.1 of the RMP describes the final land use domains including native ecosystem, agricultural – grazing and agricultural – cropping. Section 8 of the RMP describes the Rehabilitation Monitoring Program including Analogue Site Baseline Monitoring, Rehabilitation Establishment Monitoring and additional validation inspections or monitoring. Section 8.1 of the RMP describes Analogue Site Baseline Monitoring.
	agricultural land rehabilitation;		See Condition 41B (b) above.
	(c) include Rehabilitation Objectives, Rehabilitation Completion Criteria and a Final Landform and Rehabilitation Plan;	C	Section 4.1 of the RMP describes rehabilitation objectives and rehabilitation completion criteria.

Cond	Project Approval o6_o295	Status	Evidence
	(d) include an overview of the identified risks to achieving successful rehabilitation and the type of rehabilitation strategies to be implemented to address the identified risks, including: investigating ways to salvage and beneficially use resources in areas subject to subsidence (including timber, fauna habitat, seed and soil resources);	C	Part 3 of the RMP includes a Rehabilitation Risk Assessment. Table 9 of the RMP provides a summary of risks identified during a risk assessment workshop held on 2 March 2022 and a summary of how each identified risk has been addressed within the management plan and incorporated into rehabilitation practices. Table 9 includes the key risk of biological resource salvage and maintenance through clearing, salvage and handling practices.
	protecting vegetation and soil outside the disturbance areas;	C	Sighted copy of RMP dated 30 November 2022. Section 6.2.1 of the RMP contains a reference to Cadia's Environmental Impact Permit (EIP) process. The RMP notes that EIPs are issued that aim to maximise the salvage of topsoil and clay resources from disturbance areas by outlining the processes required for handling and storage, QA/QC, and stockpile management. DC (pers comms) confirmed that this permitting process contains measures that will protect vegetation and soil disturbance outside the disturbance areas by preventing any disturbance from occurring outside the approved disturbance footprint. This is achieved through the requirement for appropriate controls to be implemented for any ground or vegetation disturbance, such as flagging tape or exclusion zones being installed. The RMP does not outline strategies for protecting vegetation outside of approved disturbance areas. It is recommended that the RMP is reviewed and updated to include reference to Cadia EIP procedures that are implemented for the protection of vegetation located outside of

Cond	Project Approval o6_o295	Status	Evidence
			approved disturbance areas.
	rehabilitating creeks and drainage lines on the site (both inside and outside the disturbance areas);	NC	See Condition 41(B)(d) above. DC (pers comms) confirmed that Cadia implements the EIP process as outlined in the RMP. Table 5 of the RMP discusses the water management from the SWRD and NWRD (i.e. rock lined drainage and detention ponds to channel runoff safely to constructed outlet areas to be constructed), however risks to the rehabilitation of creeks and drainage lines on site and management strategies to address strategies to minimise these risks are not outlined in the RMP. It is recommended that the RMP is reviewed and updated to refer to measures to be implemented to address direct and indirect rehabilitation risks to creeks and drainage lines on site.
	managing potential acid forming material (including ensuring effective isolation of potential acid forming material in rock dumps);	C	Section 6.2 of the RMP describes measures for the management of mining waste, including PAF material.
	managing salinity;	C	Section 6.2 of the RMP notes between 2004 and 2012, extensive research was conducted to optimise rehabilitation methods for TSF surface areas. Key findings of the studies included salinity levels identified as part of the trial (above agricultural industry guidelines) do not affect plant establishment or growth as chemical composition differs from dryland salinity values (from where industry guidelines were established).
	conserving and reusing topsoil;	C	Section 6.2.1 of the RMP notes the risks associated with topsoil management at Cadia

Cond	Project Approval o6_o295	Status	Evidence
			relate to insufficient topsoil for rehabilitation purposes and topsoil lacking certain nutrients or elements that may impact establishment of target species. Section 6.2.1 of the RMP notes that Cadia issues internal EIPs that aim to maximise the salvage of topsoil and clay resources from disturbance areas by outlining the processes required for handling and storage, QA/QC, and stockpile management.
	undertaking pre-clearance surveys;	C	Section 6.2 of the RMP includes an overview of the identified risks to achieving successful rehabilitation and the type of rehabilitation strategies to be implemented to address the identified risks, including undertaking pre-clearance surveys.
	landscaping the site to minimise visual impacts;	C	Section 6.2 of the RMP describes strategies to minimise visual impacts and notes that where screening is required, infill planting will be established using tube stock. Tube stock will consist of trees and shrubs and planted at spacings of approximately 4m. Planting will occur as favourable soil moisture conditions allow. Rehabilitation infill planting requirements will be informed by annual monitoring report recommendations. DM (pers comms) confirmed that there are no current plans to increase existing vegetation screens in place to minimise visual impacts to surrounding receivers.
	salvaging and reusing material from the site for habitat enhancement;	C	Section 6.2 describes strategies for habitat enhancement.
	controlling weeds and feral pests, including terrestrial and aquatic species;	C	Section 6.2 of the RMP describes weed management and notes weed control, during

Cond	Project Approval o6_o295	Status	Evidence
			the active mining phase will reduce the weed seed burden as rehabilitation phases are entered. Measures to management weed population at Cadia are summarised as: • Restriction on the importing of soil and vegetation materials to the mine site, with the exclusion of imported treated biosolid material; • Requirements for vehicles and equipment to be clean prior to entering site; • Implement an ongoing weed management program in the rehabilitation areas using specialised land management contractors; • Frequent site inspections of rehabilitation and general site areas; • Establishment of appropriate vegetation community native groundcovers; • Annual ecological assessment against Rehabilitation Performance Criteria.
	• managing grazing and agriculture on site;	C	Section 6.2 of the RMP describes the management of agriculture on site.
	• controlling access;	C	DM (pers comms) confirmed that the North Waste Rock Dump and South Waste Rock Dump areas are fenced off and gated to prevent access.
	• bushfire management;	C	Section 6.2 of the RMP describes Bushfire Management and notes Cadia has developed and implements a bushfire fuel management plan for the operational mining (Mining Lease) areas. The aim of the Bushfire Management Plan is to manage fuel loads within operational areas to prevent catastrophic bushfire events. Sighted copy of Cadia Bushfire Fuel Management Plan dated June 2014.

Cond	Project Approval o6_o295	Status	Evidence
	managing and minimising any potential adverse impacts associated with the final voids;	C	DM (pers comms) confirmed that Cadia has taken into account end use of subsidence zones. All those areas are currently fenced and the pit filled with tailings. Section 6.2 of the RMP describes final void management.
	managing impacts on terrestrial and aquatic fauna (including a Squirrel Glider conservation strategy);		Section 6.2 describes protection of remnant woodland and rehabilitation areas and notes all clearing or disturbance activities require the issuing of an EIP. The EIP assessment process includes confirming that areas have been formally assessed and approved for disturbance prior to issuing the permit. If the proposed area is not formally approved for disturbance, an EIP will not be issued. Section 6.2 of the RMP lists the known threatened fauna occurring in the vicinity of Cadia including the Squirrel Glider. Section 6.2 of the RMP also notes that in 2022, Cadia developed a Threatened Species Management Strategy for the Superb Parrot and Squirrel Glider as requested by the NSW Department of Planning, Industry and Environment (letter dated 24 December 2021). The RMP notes the Threatened Species Management Strategy will be implemented by CHPL on an ongoing basis.
	(e) describe the measures to be implemented on the site to achieve the Rehabilitation Objectives identified in the Rehabilitation Strategy required under condition 36; (f) include a program to monitor, audit and report on the progress against the Rehabilitation Objectives and Rehabilitation Completion Criteria and the Final Landform and Rehabilitation Plan;	C	Section 6.2 of the RMP describes the measures to be implemented on the site to achieve the Rehabilitation Objectives identified in the Rehabilitation Strategy required under Condition 36. Part 8 of the RMP describes the rehabilitation monitoring program.

Cond	Project Approval o6_o295	Status	Evidence
			Section 8.2 of the RMP includes a program to monitor, audit and report on the progress against the Rehabilitation Objectives and Rehabilitation Completion Criteria and the Final Landform and Rehabilitation Plan. Part 11 of the RMP describes the review, revision and implementation of the RMP.DM (pers comms) confirmed there are CHES actions for 6 monthly inspections, although no specific procedure for following rainfall events. DM (pers comms) confirmed that actions get added to CHES and any risks captured in the risk assessment on an annual basis or after any significant change. Sighted 'My Teams Outstanding Tasks' Which provides an action title and description ACT-0170720. DC (pers comms) confirmed that Cadia conducts annual rehabilitation monitoring of rehabilitation establishment as described in Section 8 of the RMP. This monitoring has been conducted by DnA Environmental, with the June 2023 monitoring report provided as evidence. As described in Section 8 of the document, Cadia currently conduct annual and ad-hoc inspections of the rehabilitation areas.
	(g) describe further studies, work, research or consultation that will be undertaken to expand the site-specific rehabilitation knowledge base, reduce uncertainty and improve rehabilitation outcomes; and	C	Section 9 of the RMP describes rehabilitation research, modelling and trials. During the audit period Landform Evolution Modelling undertaken to assess the long-term erosional stability of the NWRD and SWRD using SIBERIA model undertaken by Okane Consultants. Assessment of surface water management structures within the rehabilitated landforms

Cond	Project Approval o6_o295	Status	Evidence
			undertaken by GHD.
	(h) outline intervention and adaptive management techniques to ensure rehabilitation remains on a trajectory of achieving the Rehabilitation Objectives, Rehabilitation Completion Criteria and the Final Landform and Rehabilitation Plan as soon as reasonably practical.	C	Section 10 of the RMP describes intervention and adaptive management including TARPs to identify required management actions in the event of impacts to rehabilitation, or where rehabilitation outcomes are not achieved in an acceptable timeframe.
ABORIGINAL HERITAGE: Aboriginal Cultural Heritage Management Plan			
42.	The Proponent shall prepare and implement an Aboriginal Cultural Heritage Management Plan for the project to the satisfaction of the Secretary . This plan must: (a) be prepared in consultation with Heritage NSW and the Aboriginal community, and be submitted to the Secretary for approval within 6 months of the date of this approval;	C	Sighted copy of Aboriginal Cultural Heritage Management Plan (ACHMP) Ref: 710-005-EN-PLA-0007 dated 23 June 2022. Section 1 of the ACHMP notes consultation with Heritage NSW and the Aboriginal community (i.e. the OLALC) has been undertaken in regard to the content of this plan.
	(b) include a: detailed salvage program and management plan for Aboriginal sites and potential archaeological deposits within the project disturbance area;	C	Section 6 of the ACHMP describes management and mitigation of known Aboriginal heritage sites.
	detailed description of the measures that would be implemented to protect and monitor Aboriginal sites outside the project disturbance area, including the known potential archaeological deposit site (PAD AHIMS 44-5-0133);	C	Sighted salvaged scarred tree relocated from the STSF (see Plate 19 of Appendix F). Management measures for known Aboriginal heritage sites outside disturbance areas are detailed in Section 6.3 of the ACHMP. Section 6.3 notes The following management measures will be implemented for known Aboriginal heritage sites located outside of disturbance areas at Cadia: - A register of known Aboriginal heritage sites, their status and location will be maintained by Cadia; - Site personnel (including contractors) will be

Cond	Project Approval o6_o295	Status	Evidence
			provided with information about the importance, significance and sensitivity of known aboriginal heritage sites at Cadia during the general site induction. Awareness will be raised about the proximity of work around aboriginal sites and management measures to ensure that they are not disturbed; • An EIP will be undertaken for any work outside previously disturbed areas. The EIP will identify environmentally sensitive areas including known Aboriginal heritage sites. EIPs are undertaken for any work, including archaeological investigations, rehabilitation, erosion control works or any work where soil is potentially disturbed, or vegetation removed; • Demarcation of known Aboriginal sites will be undertaken where works are required in close proximity, to avoid accidental damage. If necessary, a fence and/or signs will be erected; • If accidental damage occurs to an Aboriginal heritage item while working in areas of known Aboriginal heritage, all work in the immediate area will cease, the site will be cordoned off and preserved. Orange Local Aboriginal Land Council (OLALC) and Heritage NSW will be notified for advice on how the matter should be managed; • An annual inspection of selected known Aboriginal heritage sites will be carried out by the Cadia Environmental Department. The OLALC will be invited to be involved in the inspections; and • Erect a protective barrier fence around

Cond	Project Approval o6_o295	Status	Evidence
			AHIMS site number 44-5-0133 when activities are occurring in the vicinity of the site.
	description of the measures that would be implemented if any new Aboriginal objects or skeletal remains are discovered during the project; and	C	Section 7 of the ACHMP describes management of previously unidentified Aboriginal heritage sites.
	protocol for the ongoing consultation and involvement of the Aboriginal communities in the conservation and management of Aboriginal cultural heritage on the site.	C	Section 9 of the ACHMP describes ongoing consultation and involvement of Aboriginal community. Section 9 of the ACMHP notes that Consultation with the OLALC will be ongoing over the life of the Project. Sighted Cadia records of meetings with OLALC during the audit period, including: 23 February 2023 13 July 2022; 5 May 2022; and 10 November 2021.
HISTORICAL HERITAGE: Historical Heritage Management Plan			
43.	The Proponent shall prepare and implement a Historical Heritage Management Plan for the project to the satisfaction of the Secretary. This plan must: (a) be prepared in consultation with the Heritage NSW and be submitted to the Secretary for approval within 6 months of the date of this approval;	C	Sighted copy of the Cadia Historical Heritage Management Plan (HHMP) Ref: 710-005-EN-PLA-0013 dated 06/07/22. Section 1 of the ACHMP notes that Cadia consulted with the Office of Environment and Heritage (OEH) and the Department of Planning and Environment (DoPE) (now DPE) in June 2010 during the development of this HHMP. Additional discussions have been undertaken up to 2015 regarding the HHMP, in particular the interpretation requirements required by the Cadia East Project Approval and the support of the Orange Museum.
	(b) include:	C	A summary of the historical significance and

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	• compilation of archival recording, excavation and/or salvage of heritage items within the project disturbance area, including the Te Anau Homestead, Wire Gully Gold Workings and the Little Cadia Copper Mine;		conservation works completed to date for each of the heritage precincts as well as other sites of relevance to Cadia is provided in Sections 2.2 to 2.3 of the HHMP. Section 2.2.2 describes the Wire Gully Gold Workings and Water Race. Section 2.3.2 of the HHMP describes Te Anau Homestead. It is recommended that references to the Te Anau Homestead site are updated at the next revision of the HHMP to reflect the demolition of the site that was completed during the audit period (see Schedule 2, Condition 10 above). Section 2.2.1.2 of the HHMP notes that a report on the archaeological investigations of the Little Cadia copper mine was prepared in 2006 (Higginbotham, 2006). Artefacts collected during the investigations were catalogued and packed into archive boxes for storage at the Cadia mine.
	• a detailed conservation management strategy for heritage items outside the project disturbance area but within the vicinity of the site, including a: – description of the measures that would be implemented to protect heritage items from disturbance, including disturbance from blasting activities; – program to monitor the effects of blasting on relevant heritage items; and – an Interpretation Plan for the Cadia Village.	C	Section 3 of the HHMP provides a Conservation Management Strategy including general conservation measures, blast monitoring program and Cadia Village Interpretation Plan. Viewed interpretive signage and relocated Cadia General Cemetery sites that are being maintained by Cadia (see Plate 17 of Appendix F). Summaries of historical heritage monitoring completed by Cadia are reported annually audit period AR's. It is noted that an extension of approval for structural support for the Cornish Engine House site has been granted post audit. Sighted copy of DCCEEW Application to Modify S6o Approval

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			letter dated 2 February 2024 for works to Cadia Engine House & Surrounds. The letter sought to extend the existing anti-vibration strengthening framework and monitoring program until 30 June 2031.
	<i>Note: The Little Cadia Copper Mine is outside the zone of subsidence for the Cadia East mine but within its zone of influence, and therefore may potentially be subject to impact. It is proposed to conserve the site in-situ, if possible.</i>	Note only	Noted.
TRANSPORT: Road Construction			
44.	The Proponent shall: (a) realign the affected sections of Cadia Road, and reconstruct the Cadia Road / Woodville Road intersection, at least 6 months before causing any subsidence of the affected roads; and	NT	DM (pers comms) confirmed that subsidence zones have not extended into the area requiring realignment of Cadia Road at the time of audit.
	(b) construct the CVO Dewatering Facility site intersection on Newbridge Road, prior to the commencement of construction of the facility, to the satisfaction of the applicable Council.	C	Deemed compliant by previous IEA.
Road Haulage			
45.	The Proponent shall transport all concentrate: (a) to the Blayney Dewatering Facility and CVO Dewatering Facility by pipeline; and	NT	DC (pers comms) noted that road haulage of concentrate to the Blayney Dewatering Facility and CVO Dewatering Facility the was not required during the audit period.
	(b) from the Blayney Dewatering Facility and CVO Dewatering Facility by rail. If during the life of the project pipeline or rail services are not available to transport the concentrate the Proponent may apply to the Secretary for permission to temporarily use truck facilities until such time as pipeline or rail services are returned to normal service.	C	Sighted Cadia letter dated 14 April 2022 addressed to the DPE which requests commencement of temporary trucking of containerised concentrate on Monday 18th April 2022 at 0300h and will run until completion of train load or until Tuesday 19th April 2022 at 0300h (2 x 12 hr shifts). The application notes that the max load of each container will be 26 tonnes gross. Sighted DPE letter dated 14 April 2022 that refers to Cadia's request of the same date for temporary truck transportation of concentrate

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			between the intermodal depot located at Moorebank Avenue, Moorebank, NSW (Moorebank Intermodal) to Port Kembla, due to the unavailability of rail services between Moss Vale and Unanderra. The letter notes that DPE approved the temporary truck transport until Saturday 30 April 2022. Sighted Cadia letter dated 20 July 2022 addressed to the DPE which notes Cadia seeks permission to transport approximately 440 tonnes of concentrate via road on a daily basis – noting that this is not the entire amount of concentrate that would be transported to Port Kembla. The period of time of which this request is made was for up to 3 months, with a further extension to this approval in the event that rails service availability remains limited. Sighted copy of DPE letter dated 21 July 2022 which refers to Cadia's request. The letter notes that DPE approved Cadia's request to temporarily utilise truck facilities to transport 440 tonnes per day, 6 days per week, between the Cadia Dewatering Facility in Blayney to Port Kembla until 31 October 2022.
46.	The Proponent shall ensure that all traffic accessing the Blayney Dewatering Facility does so via Marshalls Lane and Gerty Street. Hill Street shall not be used except with the written permission of Blayney Shire Council.	NT	CF (pers comms) confirmed that Blayney Dewatering Facility was demolished in September 2020. Sighted copy of GHG Newcrest Former Dewatering Facility, Blayney NSW Validation of Leased Area dated October 2020. The report describes the remedial activities undertaken within the leased area (i.e. the site).
Traffic Management Plan			
46A.	The Proponent must prepare a Traffic Management Plan for the project to the satisfaction of the Secretary.	C	Sighted copy of Offsite Traffic Management

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	This plan must: (a) be prepared by a suitably qualified and experienced person and in consultation with Councils and TfNSW and be submitted to the Secretary for approval within 3 months of the date of approval of Modification 14, unless otherwise agreed by the Secretary;		Plan (OTMP) dated 23/10/23. Section 3 notes that the OTMP has been prepared by Cadia and the Transport Planning Partnership (TPPP), as per the requirements of Schedule 3, Condition 46A(a). Sighted copy of email dated 31/05/22 that notes Cadia was seeking Transport for NSW feedback on the draft Traffic Management Plan and that TfNSW has reviewed the document and provided comments to assist finalisation of the management plan. Sighted DPE letter dated 13 October 2023 which notes the Planning Secretary approves the Traffic Management Plan (Rev 2.3, dated 4 October 2023) under Schedule 3, Condition 46A. Sighted Appendix C of the OTMP which notes in consultation with the local councils, Newcrest requested feedback from Orange City Council, Blayney Shire Council, Cabonne Shire Council and Transport for NSW. Appendix C notes that Newcrest received feedback from Blayney Shire Council and TfNSW, but received no response from Orange City Council and Cabonne Shire Council.
	(b) include details of the transport routes to be used for project-related traffic;	C	Section 8 of the OTMP includes details of the transport routes to be used for project-related traffic.
	(c) describe measures to be implemented to minimise traffic and transport impacts to the public road network, including traffic safety issues and disruption to local users of the transport route/s during construction, operations or decommissioning works;	C	Section 11 of the OTMP describe measures to be implemented to minimise traffic impacts. Table 6 of the OTMP describes management and mitigation measures for public safety, community complaint and damage to public infrastructure. KH (pers comms) confirmed that Cadia

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			encourages car pooling and has introduced a bus for employees to travel to and from site.
	(d) include a program to record and track vehicle movements and monitor the effectiveness of these measures; and include a Driver's Code of Conduct that includes: adhering to posted speed limits or other required travelling speeds;	C	Section 10 of the OTMP includes the driver conduct. Section 10.1 notes that The Driver's Code of Conduct is referred to as the Work Journey Driver Behaviour Policy. The Policy is an existing Cadia document which has been expanded to cover the requirements of the Drivers Code of Conduct as required under, Schedule 3 Condition 46A, of the Project Approval o6_o295. Section 10.1 of the OTMP also notes that Cadia has a Work Journey Driver Behaviour Policy, which governs acceptable driving behaviour on public roads by our personnel. Anyone who attends Cadia must comply with this Policy. Section 9 of the OTMP includes a monitoring program and notes that Cadia will implement a vehicle movement monitoring program to review: - Light and heavy vehicle movements generated by Cadia; - Adherence to posted speed limits; - Adherence to designated travel routes; and - Safe driving practices. Table 5 describes the Traffic Monitoring Program which notes traffic volume will be monitored once every three years starting 2022 and Origin-Destination Survey completed if required to resolve community or other concerns regarding Cadia traffic use of specific roads. Sighted copy of Driver Permit Report – Offsite and Admin spreadsheet which includes a record of employee drivers licences and training and

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			assessment records. Sighted speed limit signage on site during the site inspection, see Plate 24 of Appendix F .
	adhering to the designated transport routes; and	C	KH (pers comms) confirmed that access to Cadia is via Ridgeway Road. Section 8 of the OTMP describes Cadia heavy vehicle designated transport routes. Section 8 of the OTMP also notes that Road access to Cadia is available via Ridgeway Road. This access road is used by personnel, delivery vehicles, visitors, and shuttle buses. Heavy vehicle transport routes will prioritise the use of national, state, and regional roads over local roads. Figure 3 of the OTMP shows the primary Cadia designated access routes used by heavy vehicles travelling to and from Cadia.
	implement safe driving practices.	C	See Schedule 3, Condition 46A above.
46B.	The Proponent must implement the Traffic Management Plan as approved by the Secretary.	C	See Schedule 3, Condition 46A above.
VISUAL: CVO Dewatering Facility			
47.	Prior to the commencement of construction of the CVO Dewatering Facility, the Proponent shall prepare: (a) architectural plans for the facility in a manner that achieves a suitable standard of design; and	C	See Schedule 3, Condition 47(b).
	(b) a Landscape Plan for the facility, including provision for vegetative screening to minimise the visual impacts on adjacent receivers, in consultation with Blayney Shire Council, and to the satisfaction of the Secretary .	C	DM (pers comms) confirmed a Landscape Plan was prepared and implemented for the CVO Dewatering Facility. Sighted copy of Anthony Daintith Town Planning 'Cadia Valley Operations – Sealink Concentrate Filtration & Handling Facility – Newbridge Road – Blayney As-Built Site Plan' that depicts screen plantings on adjoining property.

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			DM (pers comms) confirmed that vegetation screens have been planted although more infill planting required. DM (pers comms) noted that an inspection was completed and compared against the landscaping plan and that future planting will be completed in the Winter Months. DM (pers comms) confirmed that future planting will be completed in the Winter months. Sighted copy of Anthony Daintith Town Planning Cadia Valley Operations – Sealink Concentrate Filtration & Handling Facility – Newbridge Road – Blayney Proposed Landscaping Plan dated 02/09/19. A copy of the CVO Dewatering Facility Landscape Plan was not available on the Cadia website at the time of the audit. It is recommended that Cadia update their website so that the CVO Dewatering Facility Landscape Plan is publicly available, in accordance with Schedule 4, Condition 9. It is also recommended that Cadia review, and if required, update the CVO Dewatering Facility Landscape Plan following the next round of infill plantings.
	Following approval, these plans must be implemented to the satisfaction of the Secretary .	C	A review of Cadia records indicated that the plans for the CVO Dewatering Facility were generally being implemented as approved during the audit period.
Mining Operations Additional Visual Impact Mitigation			
48.	Upon receiving a written request from an owner of privately-owned land with significant direct views from a residence to the mining operations, the Proponent shall implement additional visual impact mitigation measures (such as landscaping treatments or vegetation screens) in consultation with the landowner, and to the satisfaction of the Secretary .	NT	DM (pers comms) confirmed that there has been no requests for visual mitigations during the audit period

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	These mitigation measures must be reasonable and feasible, and must be implemented within a reasonable timeframe. If within 3 months of receiving this request from the owner, the Proponent and the owner cannot agree on the measures to be implemented, or there is a dispute about the implementation of these measures, then either party may refer the matter to the Secretary for resolution.		
	<i>Notes:</i> <i>The additional visual impact mitigation measures must be aimed at reducing the visibility of the mine from significantly affected residences and do not necessarily require measures to reduce visibility of the mine from other locations on the affected properties. The additional visual impact mitigation measures do not necessarily have to include measures on the affected property itself (i.e. the additional measures may consist of measures outside the affected property boundary that provide an effective reduction in visual impacts).</i> <i>Except in exceptional circumstances, the Secretary will not require additional visual impact mitigation to be undertaken for residences that are more than 5 kilometres from the mining operations.</i>	Note only	Noted.
Visual Amenity and Lighting			
49.	The Proponent shall: (a) implement all reasonable and feasible measures to mitigate visual and off-site lighting impacts of the project;	C	KH (pers comms) confirmed that there is a Fugitive Lighting Management Plan in place for the project. Sighted copy of Fugitive Lighting Management Plan 710-005-EN-PLA-0016 dated 16 August 2021 Revision 1. Section 8 of the plan describes management and mitigation measures for fugitive light risks. KH (pers comms) confirmed that the Cadia Surface Operations Supervisor inspects mobile plant locations to prevent fugitive lighting issues. Sighted screenshot of CHES Lighting Action close out obligation (OBL-000119), Action (ACT-0191249) dated 20 October 2023 regarding Cadia internal requirements for the placement and review of permanent and mobile lighting plant. Sighted screenshot of Cadia internal procedure

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			for Surface Operations Supervisors, which includes a requirement to check that inspected by the to ensure the lighting plant are set up to minimise potential offsite lighting effects.
	(b) ensure no outdoor lights shine above the horizontal; and	C	The site inspection confirmed that fixed outdoor lighting was directed downwards below horizontal and appeared to be shielded generally in accordance with the requirements of Australian Standard AS 4282 (see Plate 18 of Appendix F).
	(c) ensure that all external lighting associated with the project complies with Australian Standard <i>AS4282 (INT) 1997 – Control of Obtrusive Effects of Outdoor Lighting</i> , to the satisfaction of the Secretary .	C	Sighted Section 5.1 and Section 8 of the Fugitive Lighting Management Plan references the need to comply with Australian Standard AS 4282 requirements.
WASTE			
Waste Minimisation			
50.	The Proponent shall: (a) minimise the waste generated by the project;	C	KH (pers comms) confirmed that there is a Waste Management Plan developed for the Project. Sighted Cadia General Waste Management at document which notes that all general waste bins are hand-sorted by the Polpure team (site waste contractor). This means that any recyclable items, such as plastic water bottles, plastic containers, aluminium cans, paper and cardboard are recovered from general waste. The document also notes that reusable items, such as ropes, rubber mats and buckets are also hand-picked from general waste to be reused. Sighted segregated waste skip bins and bins within the workshop areas during the site inspection, see Plate 13 of Appendix F .

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	(b) ensure that the waste generated by the project is appropriately stored, handled and disposed of;	C	The Cadia Waste Management On Site document which describes the correct handling, storage and disposal of site waste. Sighted copy of the Cadia Waste Monthly Report 2023 YTD prepared by the site waste contractor, which records waste volumes generated on site, by month. Sighted copy of Month & YTD Summary – Cadia Valley Operations – FY22 Spreadsheet which records monthly volumes of waste disposal. Sighted example copies of weighbridge dockets for waste dated 8 May 2023 and 31 May 2023 which recorded truck rego ID, date, time, gross weight, tare weight and net weight. Sighted skip bins for general waste and scrap metal at the workshop area during the site inspection (see Plate 13 of Appendix F). A Remondis bin was also sighted for paper and cardboard within the workshop (see Plate 25 of Appendix F). Sighted tyre storage area during the site inspection (see Plate 16 of Appendix F). During the site inspection, some improvement opportunities for the layout and drainage of the workshop hydrocarbon storage area were identified to reduce the potential for hydrocarbon spills within this area (see Plate 2 of Appendix F). Sighted chemical bunds and chemical storage cupboard within the workshop to prevent any chemical spills (see Plate 1 and Plate 3 of Appendix F). Sighted spill kit available inside the ore processing facility during the site inspection (see

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			Plate 10 of Appendix F). It is recommended that Cadia complete a review the waste management controls in place for the workshop hydrocarbon storage area and implement additional controls that can be reasonably be applied. It is also recommended that workshop and mill personnel receive regular refreshers in hydrocarbon spill response.
	(c) manage on-site sewage treatment and disposal in accordance with the requirements of the applicable Council; and	C	LH (pers comms) confirmed that there is an onsite sewage treatment facility, water is treated on site and reused. KH (pers comms) confirmed all sewage is treated on site and there is no offsite disposal requirement. Sighted copy of Standard Work Instruction Document No. 710-351-ME-SWI-0009. Sighted copy of Standard Work Instruction Document No. 710-351-ME-SWI-0010 for completed Sewerage Farm 351 Daily Checks.
	(d) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary .	C	Sighted Section 14 of the audit period AR, which describes waste management. Section 14.2 reports on waste performance outcomes. Table 14-1 of the AR describes waste volumes for the FY23. Section 14.2.1 of the AR provides a comparison against historic data and section 14.2.2 provides a comparison against EA predictions.
SCHEDULE 4: ADDITIONAL PROCEDURES			
NOTIFICATION OF LANDOWNERS			

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1.	Within 1 month of the date of this approval, the Proponent shall notify the owners of the land listed in Table 1 of schedule 3 in writing that they have the right to require the Proponent to acquire their land at any stage during the project.	C	Deemed compliant in previous IEA.
2.	If the results of monitoring required in schedule 3 identify that impacts generated by the project are greater than the relevant impact assessment criteria, except where a negotiated agreement has been entered into in relation to that impact, then the Proponent shall, within 2 weeks of obtaining the monitoring results, notify the Secretary , the affected landowners and tenants (including tenants of mine-owned properties) accordingly, and provide quarterly monitoring results to each of these parties until the results show that the project is complying with the criteria in Schedule 3.	NC	Records were not available at the time of audit to demonstrate that relevant landholders, tenants and DPE were notified of exceedances of PA o6_o295 air quality and noise impact assessment criteria within the required timeframe. It is recommended that Cadia develop and implement a procedure to notify relevant landholders, tenants and DPE within two weeks of receiving monitoring results that show an exceedance of PA o6_o295 impact assessment criteria.
INDEPENDENT REVIEW			
3.	If a landowner of privately-owned land considers the project to be exceeding the impact assessment criteria in schedule 3, then he/she may ask the Secretary in writing for an independent review of the impacts of the project on his/her land.	NT	MO (pers comms) confirmed that Cadia have not received any requests for independent reviews during the audit period.
	If the Secretary is satisfied that an independent review is warranted, the Proponent shall within 3 months of the Secretary's decision: (b) consult with the landowner to determine his/her concerns;	NT	See Schedule 4, Condition 3 above.
	(c) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Secretary , to conduct monitoring on the land, to: determine whether the project is complying with the relevant impact assessment criteria in schedule 3; and	NT	See Schedule 4, Condition 3 above.
	identify the source(s) and scale of any impact on the land, and the project's contribution to this impact; and	NT	See Schedule 4, Condition 3 above.
	(d) give the Secretary and landowner a copy of the independent review.	NT	See Schedule 4, Condition 3 above.
4.	If the independent review determines that the project is complying with the relevant impact assessment criteria in schedule 3, then the Proponent may discontinue the independent review with	NT	See Schedule 4, Condition 3 above.

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	the approval of the Secretary. If the independent review determines that the project is not complying with the relevant impact assessment criteria in schedule 3, then the Proponent shall: (a) implement all reasonable and feasible measures, in consultation with the landowner, to ensure that the project complies with the relevant criteria, and conduct further monitoring to determine whether these measures ensure compliance; or		
	(b) secure a written agreement with the landowner to allow exceedances of the relevant impact assessment criteria, to the satisfaction of the Secretary. If the further monitoring referred to under paragraph (a) above determines that the project is complying with the relevant impact assessment criteria, then the Proponent may discontinue the independent review with the approval of the Secretary.	NT	See Schedule 4, Condition 3 above.
LAND ACQUISITION			
5.	Within 3 months of receiving a written request from a landowner with acquisition rights, the Proponent shall make a binding written offer to the landowner based on: (a) the current market value of the landowner's interest in the property at the date of this written request, as if the property was unaffected by the project, having regard to the: existing and permissible use of the land, in accordance with the applicable planning instruments at the date of the written request; and	NT	MO (pers comms) confirmed that no requests for acquisition have been made during the audit period.
	presence of improvements on the property and/or any approved building or structure which has been physically commenced at the date of the landowner's written request, and is due to be completed subsequent to that date, but excluding any improvements that have resulted from the implementation of the 'additional noise mitigation measures' in condition 7 of schedule 3 or 'compensatory water supplies' in condition 24 of schedule 3;	NT	See Schedule 4, Condition 5 above.
	(b) the reasonable costs associated with: relocating within the same local government area, or to any other local government area determined by the Secretary; and	NT	See Schedule 4, Condition 5 above.
	obtaining legal advice and expert advice for determining the acquisition price of the land, and the terms upon which it is to be acquired; and	NT	See Schedule 4, Condition 5 above.
	(c) reasonable compensation for any disturbance caused by the land acquisition process.	NT	See Schedule 4, Condition 5 above.

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	However, if at the end of this period, the Proponent and landowner cannot agree on the acquisition price of the land and/or the terms upon which the land is to be acquired, then either party may refer the matter to the Secretary for resolution.	NT	See Schedule 4, Condition 5 above.
	Upon receiving such a request, the Secretary shall request the President of the NSW Division of the Australian Property Institute to appoint a qualified independent valuer to: (a) consider submissions from both parties;	NT	See Schedule 4, Condition 5 above.
	(b) determine a fair and reasonable acquisition price for the land and/or the terms upon which the land is to be acquired, having regard to the matters referred to in paragraphs (a)-(c) above;	NT	See Schedule 4, Condition 5 above.
	(c) prepare a detailed report setting out the reasons for any determination; and	NT	See Schedule 4, Condition 5 above.
	(d) provide a copy of the report to both parties. Within 14 days of receiving the independent valuer's report, the Proponent shall make a binding written offer to the landowner to purchase the land at a price not less than the independent valuer's determination.	NT	See Schedule 4, Condition 5 above.
	However, if either party disputes the independent valuer's determination, then within 14 days of receiving the independent valuer's report, they may refer the matter to the Secretary for review. Any request for a review must be accompanied by a detailed report setting out the reasons why the party disputes the independent valuer's determination. Following consultation with the independent valuer and both parties, the Secretary shall determine a fair and reasonable acquisition price for the land, having regard to the matters referred to in paragraphs (a)-(c) above and the independent valuer's report. Within 14 days of this determination, the Proponent shall make a binding written offer to the landowner to purchase the land at a price not less than the Secretary's determination.	NT	See Schedule 4, Condition 5 above.
	If the landowner refuses to accept the Proponent's binding written offer under this condition within 6 months of the offer being made, then the Proponent's obligations to acquire the land shall cease, unless the Secretary determines otherwise.	NT	See Schedule 4, Condition 5 above.
6.	The Proponent shall pay all reasonable costs associated with the land acquisition process described in condition 5 above.	NT	See Schedule 4, Condition 5 above.
7.	If the Proponent and landowner agree that only part of the land shall be acquired, then the Proponent shall also pay all reasonable costs associated with obtaining Council approval for any plan of subdivision (where permissible), and registration of the plan at the Office of the Registrar-General.	NT	See Schedule 4, Condition 5 above.
SCHEDULE 5: ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING			

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ENVIRONMENTAL MANAGEMENT			
Environmental Management Strategy			
1.	The Proponent shall prepare and implement an Environmental Management Strategy for the project to the satisfaction of the Secretary. The strategy must:	C	Sighted copy of Cadia Environmental Management Strategy (EMS) Ref: 710-0050EN-STR-0001 dated 17 June 2021.
	(a) be submitted to the Secretary for approval within 6 months of the date of this approval;		
	(b) provide the strategic framework for environmental management of the project;	NC	Section 2 of the EMS describes the strategic framework for environmental management of the project. Section 2.9 of the EMS notes that the Cadia Senior Leadership Team complete a quarterly review of the site 'Environment and Social Performance Scorecard', which was not undertaken during the audit period. It is recommended that Section 2.9 of the EMS is updated at the next revision of the document to refer to the contemporary internal review process used by Cadia to assess site environmental management and performance.
	(c) identify the statutory approvals that apply to the project;	C	Section 2.1.1 of the EMS describes the statutory approvals that currently apply to environmental management at Cadia.
	(d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project;	C	Section 6 of the EMS describes the roles and responsibilities for the environmental management of the project.
	(e) describe the procedures that would be implemented to: keep the local community and relevant agencies informed about the operation and environmental performance of the project;	C	Section 3 of the EMS describes communication with Cadia's stakeholders including a quarterly newsletter, Cadia Valley Website, Quarterly Cadia Community Consultative Committee (CCC) meetings, presentation pack and minutes, Resident Consultation Meetings, Project Briefings with Council and Regulatory Agencies,

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			distribution of the AR to all key regulatory agencies, local government and the Cadia CCC, Cadia District Resident Meetings, Engagement with targeted groups of stakeholders, One to One or small group meetings and Special Interest Group Meetings.
	receive, handle, respond to, and record complaints;	C	Section 4 of the EMS describes community complaints procedures and notes. A log of complaints and actions taken to address the complaint is kept in a centralised engagement database called Borealis, data is kept in perpetuity. Audit period AR's record that the following complaints were received: 32 complaints (Section 9.3, 2021 AR); 42 complaints (Section 9.3, 2022 AR); and 56 complaints (Section 18.3, 2023 AR). During the audit period, a large proportion of complaints received were in relation to dust impacts. The complaints register available on the Cadia website provides a summary of complaints received and actions undertaken by the company in response.
	resolve any disputes that may arise during the course of the project;	C	Section 5 of the EMS describes the dispute resolution process.
	respond to any non-compliance; and	C	Section 2.7.4 of the EMS describes managing non-compliances.
	respond to emergencies;	C	Section 2.7 of the EMS describes incident / emergency management and notes that The Cadia Emergency Management Plan 710-000-SA-PLA-0015, version 2, dated 22 October 2023 identifies situations that require an

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			emergency response, including scenarios that may result in an environment or community impact.
	(f) include: copies of the various strategies, plans and programs that are required under the conditions of this approval once they have been approved; and	C	Section 8 of the EMS describes the management plans and strategies required under the conditions of this approval once they have been approved.
	a clear plan depicting all the monitoring to be carried out in relation to the project.	C	Section 9 of the EMS notes that monitoring programs have been developed for the Cadia mine site and also in the vicinity of the Cadia Dewatering Facility. Table 4 of the EMS provides a Monitoring Aspect and Respective Monitoring / Management Plan. It is recommended that the references to Cadia policies, standards and management plans are reviewed and updated at the next revision of the EMS, to ensure they reflect current site documentation.
Annual Review			
2.	By the end of March in each year after the commencement of the project, or other timeframe agreed by the Secretary, a report must be submitted to the Department reviewing the environmental performance of the project, to the satisfaction of the Secretary. This review must: (a) describe the project (including any rehabilitation) that was carried out in the previous calendar year, and the project that is proposed to be carried out over the current calendar year;	C	Sighted emails to Cadia from DPE during the audit period acknowledging receipt of AR's dated 27 October 2021, 31 October 2022 and 31 October 2023. Table 17-1 of the FY23 AR document provides a Cadia Mine Rehabilitation Summary that describes the rehabilitation that occurred during the reporting period, previous reporting period and next reporting period (forecast).
	(b) include a comprehensive review of the monitoring results and complaints records of the project over the previous calendar year, including a comparison of these results against the: relevant statutory requirements, limits or performance measures/criteria;	C	The audit period AR's include a review of monitoring results for the respective reporting periods against relevant approval and performance criteria listed in Schedule 3.

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	requirements of any plan or program required under this approval;	C	The audit period generally include comments to address the requirements of the approved management plans listed in in Schedule 3...
	monitoring results of previous years; and	NC	It is noted that there was no comparison provided for DDG monitoring results against previous years within the audit period Annual Reviews. It is recommended that a comparison is provided for DDG results in future AR's. The audit period AR's otherwise provide a review of data received against that from previous years.
	relevant predictions in the EA;	C	The audit period AR's include a review of site performance against the relevant EA predictions.
	(c) reporting of direct and indirect water take, including water take where a water licence is required (reviewed against existing water licences) and where an exemption applies;	C	Section 16.1.2 of the FY23 Annual Review provides a review of water take including a review against existing water licences. This condition is not included in 'Table 2-1 Annual Review Requirements' in the FY23 Annual Review. It is recommended that Condition 2(c) is included in the summary table of requirements in the next AR.
	(d) identify any non-compliance or incident which occurred in the previous calendar year, and describe what actions were (or are being) taken to rectify the non-compliance and avoid reoccurrence;	C	Section 20 of the FY23 AR identifies incidents and non-compliances that occurred during the reporting period with action plans and status.
	(e) evaluate and report on compliance with the performance measures, criteria and operating conditions of this approval;	C	The audit period AR's include comments on the status of compliance with this approval.
	(f) identify any trends in the monitoring data over the life of the project;	NC	See Schedule 5, Condition 2(a) above. The audit period AR's otherwise provide

Cond	Project Approval o6_o295	Status	Evidence
			comment on trends in monitoring data.
	(g) identify any discrepancies between the predicted and actual impacts of the project, and analyse the potential cause of any significant discrepancies; and	C	Section 7-17 of the FY23 AR identifies discrepancies between the predicted and actual impacts of the project
	(h) describe what measures will be implemented over the next year to improve the environmental performance of the project.	C	Section 21 of the FY23 AR describes activities to be completed in the next reporting period. Table 21-2 provides the actions and targets that will be achieved in the next reporting period to improve environmental performance at Cadia.
2A.	Copies of the Annual Review must be submitted to Council and relevant agencies and made available to the CCC and any interested person upon request.	C	Audit period Annual Reviews were lodged on the DPE Major Projects portal and are available on the Cadia website for public access.
Revision of Strategies, Plans and Programs			
3.	Within 3 months, unless the Secretary agrees otherwise of: (a) the submission of an annual review under condition 2 above;	NC	Sighted Cadia letter to DPE dated 22/12/21 referring to this condition and seeking a consolidated review process and lodgement of any updated plans to DPE by 13/02/22. Also sighted copies of Cadia Management Plans which have a Document Control section that records all amendments to each document. Evidence was not available at the time of audit to confirm that internal reviews of management documents were being undertaken by Cadia to identify whether changes were required following the submission of 2020 and 2022 AR's and incident reports. Several management plans that required revision were not updated within three months of the approval of PA o6_o295 Modification 14. It is recommended that Cadia put an administrative process in place to ensure management documentation is reviewed

Cond	Project Approval o6_o295	Status	Evidence
			within three months of the events identified in Schedule 5, Condition 3.
	(b) the submission of an incident report under condition 5 or 5B below;	NC	See Schedule 5, Condition 3(a) above.
	(c) the submission of an audit under condition 7 to 8A below; and	NC	See Schedule 5, Condition 3(a) above.
	(d) any modification of this approval; or	NC	See Schedule 5, Condition 3(a) above.
	(e) a direction of the Secretary under condition 2 of Schedule 2. the Proponent must review and, if necessary, revise the studies, strategies or plans required under the conditions of approval to the satisfaction of the Secretary. Where this review leads to revisions in any such document, then within 4 weeks of the review the revised document must be submitted to the Secretary for approval, unless otherwise agreed with the Secretary.	C	KH (pers comms) confirmed that there have been no written directions made by the Secretary regarding Cadia's Strategies, Plans and Programs during the audit period
	<i>Note: This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the project.</i>	Note only	Noted.
Community Consultative Committee			
4.	Within 6 months of the date of this approval, the Proponent shall establish Community Consultative Committee (CCC) for the project to the satisfaction of the Secretary . This CCC must be established and operated in general accordance with the Community Consultative Committee (CCC) Guidelines for State Significant Projects (NSW Government, 2019) , or its latest version.	C	MO (pers comms) confirmed that the CCC meets quarterly and an Independent Chair was appointed in 2019. Sighted examples of Cadia CCC Meeting Minutes available on the Cadia website, including from 9 August 2021, 15 August 2022, 27 February 2023.
	Notes: - The CCC is an advisory committee. The Department and other relevant agencies are responsible for ensuring that the Proponent complies with this approval. In accordance with the Guideline, the Committee should comprise an independent chair and appropriate representation from the Proponent, affected councils and the general community. - In establishing the CCC, the Department will accept the continued representation from existing CCC members, however the Proponent should ensure that adequate representation is achieved for landowners within the area surrounding the Cadia East underground mine.	Note only	Noted.
COMPLIANCE			

Cond	Project Approval o6_o295	Status	Evidence
Incident Notification, Reporting and Response			
5.	The Secretary must be notified in writing via the Major Projects website immediately after the Proponent becomes aware of an incident. The notification must identify the project (including the application number and the name of the project if it has one) and set out the location and nature of the incident. Subsequent notification requirements must be given, and reports submitted in accordance with the requirements set out in Appendix 9.	C	Cadia AR's for the audit period identify incidents that triggered the requirements under Schedule 5, Condition 5. These included: <u>2020/21 AR</u> - Water discharge to Cadiangullong Creek in January 2021; - Exceedance of attended and unattended noise impact criteria at Athol, Hollwood and Newbridge Road sites during May 2021; - Exceedance of attended and unattended noise impact criteria at Athol, Hollwood and Newbridge Road sites during June 2021. Sighted copy of Cadia letter addressed to the Department which notifies of a minor discharge to Cadiangullong Creek (verbal notification provided 03/12/2021). The letter notes this was reported to the NSW EPA on 02/12/2021. Evidence provided for notifications and subsequent reporting to DPE for the other two 2021/21 incidents indicated the processes were undertaken generally in accordance with this condition. <u>2021/22 AR</u> - Water discharge to Cadiangullong Creek in December 2021; - Flood damage to Ridgeway Road following an extreme rain event in December 2021. The incident was initially reported to DPE on 15/12/21 and a follow up letter investigating the incident was provided on 17/01/22; and - Production of H₂S during the commissioning process for the Moly plant in December 2021.

Cond	Project Approval o6_o295	Status	Evidence
			Sighted copy of Cadia letter addressed to the Department dated 29 January 2021. The letter notes that on 21 January 2021, Cadia Environment team identified that a discharge of water had occurred from a 100mm poly-pipe located adjacent to Cadiangullong Creek. The letter also notes that an incident investigation has been initiated and is expected to be completed by Friday, 12 February 2021 with a copy of the investigation report to be provided to the NSW EPA, the Department and Resource Regulator. Sighted copy of NSW EPA Show Cause Letter dated 6 June 2022 which provides evidence that Cadia notified of the Molybdenum Plant in December 2021. <u>2022/23 AR</u> • A remote loader operating to clear the bottom of VR14-1 rise lost communications whilst operating in July 2022 and was engulfed, causing the brow to close at the base of the rise; • Potential discharge of a small volume (~30L) of return water from the Blayney dewatering return water line via an air valve into a contained drain alongside Cadia Road in September 2022. Viewed the incident notification letter provided to DPE on 23/09/22 and subsequent investigation report provided 25/02/22. • Surface water runoff from overland flows adjacent to the Cadia Dewatering Facility catchment entered the stormwater management system, causing a subsequent overflow of the site stormwater collection pond overflowed to an adjacent unnamed

Cond	Project Approval o6_o295	Status	Evidence
			watercourse in November 2022. - Highly concentrated copper groundwater discharged from an historical mine adit following a period of high rainfall in December 2022; - Monitoring recorded an exceedance for manganese and phosphorus trigger values during discharge in December 2022; - Battery failure at Triangle Flat BAM Monitor caused by battery failure caused erroneous readings between 27 May 2023 until 1 June 2023. Viewed Cadia letter to DPE dated 07/06/23, which noted that initial notification regarding the incident was reported on 01/06/23. Sighted copy of Cadia letter dated 12 December 2022 addressed to the NSW EPA which notifies of a groundwater event. The letter notes that Cadia notified the EPA via its Environment Line service of the discharge event, REF-NO-17648. MO (pers comms) gave an overview of the community response process and confirmed that if there is an incident, the Environment team will inform the Social Performance team. MO (pers comms) confirmed that the Borealis system tracks individual profiles, communications, complaints and grievances. There are distribution lists CDEP and Cadia District List (includes CDEP and people outside of CDEP). Sighted Borealis system during the site visit which records communications in regard to complaints. MO (pers comms) Environment team and social performance team has access to Borealis.

Cond	Project Approval o6_o295	Status	Evidence
			Sighted copy of draft Cadia Complaints Management Procedure dated 21/11/23 outlines process for receiving and handling of complaints. Outlines investigations, resolution, evaluation and monitoring and reporting Borealis records the number of complaints received for the year and classification. Tasks can be added to Borealis. Quarterly newsletters are also distributed to landholders which summarises all complaints received, as do the AR's. Sighted CHES incident ref: INC:51796 which includes actions and due dates for the incident. All actions status were recorded deemed completed to close the event in CHES. As a general improvement opportunity, it is recommended that Cadia implement a process to verify that records and actions (e.g. non-compliance notifications) are being captured consistently between Borealis and CHES.
Non-Compliance Notification			
5A.	The Secretary must be notified in writing via the Major Projects website within seven days after the Proponent becomes aware of any non-compliance. A non-compliance notification must identify the project and the application number for it, set out the condition of approval that the project is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been, or will be, undertaken to address the non-compliance.	C	Sighted Notification of Noise Exceedance in September 2022 letter dated 20 October 2022 which notes the letter is provided as notification to the DPE of an exceedance of project approval noise criteria in accordance with Schedule 5 Condition 5A of the Cadia East Project Approval (PAo6_o295).
	<i>Note: A non-compliance which has been notified as an incident does not need to also be notified as a non-compliance.</i>	NT	Note only
Compliance Reporting			
6.	Deleted.	-	Noted

Cond	Project Approval o6_o295	Status	Evidence
INDEPENDENT ENVIRONMENTAL AUDIT			
7.	Independent Audits of the project must be conducted and carried out in accordance with the Independent Audit Post Approval Requirements (2020).	C	This IEA.
7A.	Proposed independent auditors must be agreed to in writing by the Secretary prior to the commencement of an Independent Audit.	C	JBA and the specialist auditors were endorsed as suitably qualified, suitable and independent by DPE in letters to Cadia dated 28 September 2023 and 25 October 2023.
7B.	The Secretary may require the initial and subsequent Independent Audits to be undertaken at different times to those specified in the <i>Independent Audit Post Approval Requirements (2020)</i> , upon giving at least 4 weeks' notice (or timing) to the Proponent of the date upon which the audit must be commenced.	NT	The Secretary did not require changes to the timing of this IEA.
7C.	In accordance with the specific requirements in the Independent Audit Post Approval Requirements (2020) (or as amended from time to time), the Proponent must: (a) review and respond to each Independent Audit Report prepared under condition 7 of this approval, or condition 7B where notice is given by the Secretary;	NT	Cadia to lodge this audit and their response to DPE.
	(b) submit the response to the Secretary; and	C	Sighted copy of Cadia 2020 Independent Compliance Audit – Recommendations on the Major Projects website.
	(c) make each Independent Audit Report, and response to it, publicly available within 60 days of submission to the Secretary, unless otherwise agreed by the Secretary.	C	The previous IEA document and Cadia's response is available on website.
8.	Independent Audit Reports and the Proponent's response to audit findings must be submitted to the Secretary within 2 months of undertaking the independent audit site inspection, as outlined in the <i>Independent Audit Post Approvals Requirements (2020)</i> (or as amended from time to time) unless otherwise agreed by the Secretary.	NT	Cadia to complete.
8A.	Notwithstanding the requirements of the <i>Independent Audit Post Approvals Requirements (2020)</i> , the Secretary may approve a request for ongoing independent operational audits to be ceased, where it has been demonstrated to the Secretary's satisfaction that independent operational audits have demonstrated operational compliance.	NT	No requests for cessation of independent audits were made.
	<i>Note: A reference to Independent Audit Post Approval Requirements (2020) in this project consent also includes future amendments to this document.</i>	Note only	Noted.

Cond	Project Approval o6_o295	Status	Evidence
ACCESS TO INFORMATION			
9.	Before the commencement of construction until the completion of all rehabilitation required under this approval, the Proponent must: (a) make the following information and documents (as they are obtained, approved or as otherwise stipulated within the conditions of this approval) publicly available on its website: the EA;	C	Sighted copy of EA available on the website during the desktop review.
	all current statutory approvals for the project;	C	Sighted copies of EPL 5590, mining leases and PA o6_o295 available on the website during the desktop review.
	all approved strategies, plans and programs required under the conditions of this approval;	NC	Sighted copies of the Cadia Offsite Traffic Management Plan, Dewatering Facility Water Management Plan, Water Management Plan, PIRMP, ACHMP, Blast Monitoring Program, HHMP, Land and Biodiversity Management Plan, Noise Monitoring Program, EMS and RMP available on the website during the desktop review. Copies of the Air Quality Monitoring Program and the CVO Dewatering Facility Landscape Plan were not available on the Cadia website at the time of the audit. It is recommended that the Cadia website is checked on a regular basis to ensure all approved strategies, plans and programs required under the conditions of approval are publicly available.
	the proposed staging plans for the project if the construction, operation or decommissioning of the project is to be staged;	NT	KH (pers comms) confirmed that Section ES-5 of Modification 14 Report states that CVO will continue to operate in accordance with its existing environmental management plans, procedures and environmental monitoring programmes. KH (pers comms) confirmed that the original

Cond	Project Approval o6_o295	Status	Evidence
			Cadia East application does not mention staging of management plan submission. Additionally, no requests have been made to stage any plans therefore this condition is not triggered.
	regular reporting on the environmental performance of the project in accordance with the reporting requirements in any plans or programs approved under the conditions of this approval;	C	Sighted copies of Air Quality Monitoring Reports, Attended Noise Monitoring Reports, Unattended Noise Monitoring Reports, Groundwater Level Monitoring Reports, Streamflow Monitoring Reports, Vibration Monitoring Reports and monthly Meteorology Monitoring Summary for the audit period available on the website at the time of the audit.
	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;	C	Sighted copies of Annual Reviews for the reporting period available on the Cadia website.
	a summary of the current phase and progress of the project;	C	A description of the project operations is provided in the AR's available on the website.
	contact details to enquire about the project or to make a complaint;	C	Community Complaints Hotline details were available on the website at the time of the audit.
	a complaints register, updated monthly;	C	CVO Community Complaints Register 2013-2023 was available on the website at the time of the audit.
	the Annual Reviews of the project;	C	AR's for the audit period were available on the website at the time of the audit.
	audit reports prepared as part of any Independent Environmental Audit of the project and the Proponent's response to the recommendations in any audit report;	C	The 2018 ERM IEA and 2020 Environmental Engineering & Energy IEA were available on the website at the time of the audit, along with Cadia's responses to each.
	any other matter required by the Secretary; and	NT	DC (pers comms) noted that DPE had not required any additional information to be published.
	(b) keep such information up to date, to the satisfaction of the Secretary.	NC	It was noted that a number of information

Cond	Project Approval o6_o295	Status	Evidence
			items required under Schedule 5, Condition 9(a) were not available on the website at the time of audit. It is recommended that Cadia regularly review the information published on the website to ensure the required information is up to date.
UPDATING AND STAGING OF STUDIES, STRATEGIES AND PLANS			
10.	To ensure the studies, strategies and plans for the project are updated on a regular basis and incorporate any required measures to improve the environmental performance of the project, the Proponent may submit revised studies, strategies or plans required for the project under the conditions of approval at any time. With the agreement of the Secretary, the Proponent may also submit any study, strategy or plan required under the conditions of this approval on a staged basis.	C	Cadia management documents were generally submitted to DPE as required during the audit period. Viewed Cadia letter provided to DPE dated 11/03/22 outlining the status of management plans that are to be updated following PA o6_o295 Modification 14.
11.	The Secretary may approve a revised strategy or plan required under the conditions of approval, or the stage submission of these documents, at any time. With the approval of the Secretary, the Proponent may prepare the revised or staged strategy or plan without undertaking consultation with all parties nominated under the applicable condition in this approval.	C	Sighted copy of Cadia East Project (MPo6_o295) Water Management Plan DPE letter dated 22/09/2023 that conditionally approved the WMP and required resubmission by 15/12/23.
	<i>Notes:</i> • While any study, strategy or plan may be submitted on a progressive basis, the Proponent must ensure that the existing operations on site are covered by suitable studies, strategies or plans at all times. • If the submission of any study, strategy or plan is to be staged, then the relevant study, strategy or plan must clearly describe the specific stage to which the study, strategy or plan applies, the relationship of this stage to any future stages, and the trigger for updating the study, strategy or plan.	Note only	Noted.

Table C2 Appendix 7: PA 06_0295

Cond	Project Approval PA 06_0295	Status	Evidence
APPENDIX 7: GENERAL TERMS FOR THE PLANNING AGREEMENT			
	Contributions to the Councils up to a total of \$8 million (\$3 million upfront [within the first 3 years] and \$238,000 each year for 21 years) for:	C	MO (pers comms) confirmed that community spend values are broken down within the annual Cadia Sustainability Report, which includes the Planning Agreement. Sighted copy of Sustainability Report FY2023 spreadsheet which includes infrastructure VPA payments. Also see Schedule 2, Condition 13 above. MO (pers comms) confirmed that an internal Socio-Economic study is required by Newcrest every 5 years. The site are currently going through an approvals process, including an EIS and an SIA.
	• upgrade of the Councils' road infrastructure affected by the project; and	C	See Schedule 2, Condition 13 above.
	• general community enhancement to address social amenity and community infrastructure requirements arising from the project.	C	See Schedule 2, Condition 13 above.
	Note: <i>The road maintenance agreements will be determined upon completion of a road condition survey and assessment of future maintenance requirements, which will be facilitated by Orange City Council on behalf of the three Councils and the Proponent.</i>	Note only	Noted.

Table C3 Appendix 9: PA 06_0295

Cond	Project Approval PA 06_0295	Status	Evidence
APPENDIX 9: INCIDENT NOTIFICATION AND REPORTING REQUIREMENTS WRITTEN			
WRITTEN INCIDENT NOTIFICATION REQUIREMENTS			
1.	A written incident notification addressing the requirements set out below must be submitted to the Secretary via the Major Projects website within seven days after the Proponent becomes aware of an incident.	C	See comments on Schedule 5, Condition 5 above.

Cond	Project Approval PA 06_0295	Status	Evidence
2.	Written notification of an incident must:	C	See comments on Schedule 5, Condition 5 in Table 1.
	(a) identify the project and application number;		As above.
	(b) provide details of the incident (date, time, location, a brief description of what occurred and why it is classified as an incident;		As above.
	(c) identify how the incident was detected;		As above.
	(d) identify when the Proponent became aware of the incident;		As above.
	(e) identify any actual or potential non-compliance with conditions of approval;		As above.
	(f) describe what immediate steps were taken in relation to the incident;		As above.
	(g) identify further action(s) that will be taken in relation to the incident; and		As above.
	(h) identify a project contact for further communication regarding the incident.		As above.
3.	Within 30 days of the date on which the incident occurred or as otherwise agreed to by the Secretary, the Proponent must provide the Secretary and any relevant public authorities (as determined by the Secretary) with a detailed report on the incident addressing all requirements below, and such further reports as may be requested.		See comments on Schedule 5, Condition 5 in Table 1.
4.	The Incident Report must include:	C	See comments on Schedule 5, Condition 5 in Table 1.
	(a) a summary of the incident;		As above.
	(b) outcomes of an incident investigation, including identification of the cause of the incident;		As above.
	(c) details of the corrective and preventative actions that have been, or will be, implemented to address the incident and prevent recurrence; and		As above.
	(d) details of any communication with other stakeholders regarding the incident.		As above.

Table C4 Mining Lease 1405

Ref	Condition	Status	Evidence																		
MINING LEASE 1405 CONDITIONS (February 2022), General Conditions																					
1.	Notice to Landholders																				
	(a) Within 90 days from the date of grant or renewal of this mining lease, the lease holder must give each landholder notice in writing: (i) that this mining lease has been granted or renewed; and (ii) whether the lease includes the surface. The notice must include a plan identifying the lease area and each landholder and individual land parcel within the lease area.	NT	ML 1405 was initially granted on 05/10/96 and was not renewed during the audit period.																		
	(b) If there are ten or more landholders to which notice must be given, the lease holder will be taken to have complied with condition 1(a) if a notice complying with condition 1(a) is published in a newspaper circulating in the region where the lease area is situated.	NT	See Condition 1 above.																		
2.	Group Security																				
	The security deposit to be provided and maintained for this mining lease is part of a group security deposit. The lease holder is required to provide and maintain a security deposit to secure funding for the fulfilment of obligations under the mining leases covered by the group security deposit, including obligations under each mining lease that may arise in the future. The amount of the security deposit to be provided as a group security deposit has been assessed at \$181,710,000. The leases covered by the group security include this ML 1405 (1992) and: <table><tr><th>Lease type</th><th>Lease Number</th><th>Act Year</th></tr><tr><td>ML</td><td>1449</td><td>1992</td></tr><tr><td>ML</td><td>1472</td><td>1992</td></tr><tr><td>ML</td><td>1481</td><td>1992</td></tr><tr><td>ML</td><td>1689</td><td>1992</td></tr><tr><td>ML</td><td>1690</td><td>1992</td></tr></table>	Lease type	Lease Number	Act Year	ML	1449	1992	ML	1472	1992	ML	1481	1992	ML	1689	1992	ML	1690	1992	C	Viewed MEG Notice of Variation of Security Deposit Condition sent to Cadia on 08/11/23, which notes that the varied security deposit must be lodged with the Department no later than noon on 20 December 2023. Sighted copy of receipt issued by the Hongkong and Shanghai Banking Corporation LTD for guarantee of the value of the revised group security amount dated 24 November 2023.
Lease type	Lease Number	Act Year																			
ML	1449	1992																			
ML	1472	1992																			
ML	1481	1992																			
ML	1689	1992																			
ML	1690	1992																			
3.	Cooperation Agreement																				

Ref	Condition	Status	Evidence
	The lease holder must make every reasonable attempt, and be able to demonstrate its attempts to the satisfaction of the Secretary, to enter into a cooperation agreement with the holder(s) of any overlapping authorisations issued under the <i>Mining Act 1992</i> and petroleum titles issued under the <i>Petroleum (Onshore) Act 1991</i>. The cooperation agreement should address but not be limited to: • access arrangements • operational interaction procedures • dispute resolution • information exchange • well location • timing of drilling • potential resource extraction conflicts; and • rehabilitation issues.	NT	ML 1405 does not overlap any mining authorities held by third parties.
4.	Assessable Prospecting Operations		
	(a) The lease holder must not carry out any assessable prospecting operation on land over which this lease has been granted unless: (i) it is carried out in accordance with any necessary development consent; or (ii) if development consent is not required, the prior written approval of the Minister has been obtained.	NT	No assessable prospecting operations were carried out in ML 1405 during the audit period.
	(b) The Minister may require the lease holder to provide such information as required to assist the Minister to consider an application for approval.		
	(c) An approval granted by the Minister under this condition may be granted subject to terms.		
	(d) The lease holder must comply with the approval granted to the holder under this condition.		
	Special Conditions		
	Nil	Note	Note only

APPENDIX D

STAKEHOLDER ENGAGEMENT

CORRESPONDENCE

Our ref: MP 06_0295

Mr Dorian Walsh
James Bailey & Associates Pty Ltd
Environmental and Planning Consultants
6/127-129 John Street
SINGLETON NSW 2330
9 November 2023

Sent via the email:

Subject: **Cadia Mine Project - Consultation on Independent Environment Audit**

Dear Mr Walsh

Reference is made to your email, submitted to the NSW Department of Planning and Environment (**NSW Planning**) on 31 October 2023, a request seeking consultation on the Independent Environment Audit (**IEA**), as required by Schedule 5, Conditions 7 and 8 for Cadia Mine Project MP 06_0295 as modified (**Consent**).

NSW Planning has carefully reviewed your request and provides the following in response to the upcoming IEA:

Overall IEA

1. Ensure all the requirements of Schedule 5 Conditions 7 and 8 of the Consent and the *Independent Audit Post Approval Requirements (2020) (IAPAR)* are addressed.
2. Include a compliance table indicating the compliance status of each condition of Consent and any relevant EPL condition.
3. Not use the term “partial compliance”.
4. Provide clear recommended actions in response to non-compliances.
5. Provide a review on the adequacy of all plans and programs required under the Consent.
6. Identify opportunities for improved environmental management and performance.
7. Provide an update as to whether the conditions included and/or modified as part of Modification 14 to the Consent have been met and are compliant.
8. An update on the status of the review and/or any revisions to management plans required under the consent.
9. A complete register of complaints that have been received during the audit period, whether they have been adequately investigated and actioned by the proponent, particularly in relation to noise and air quality impacts.
10. Review incident reporting and notification associated with exceedances of water, noise and air quality criteria. Assess whether these notifications were adequately investigated, notifications provided to relevant agencies, affected receivers and mitigation/improvement measures were actioned by the proponent.

11. In relation to agency consultation, the Department requests that as part of the IEA you consult with the following agencies:
 - a. Relevant divisions within the Department of Planning and Environment (DPE) including:
 - i. DPE – Division of Resources and Geoscience
 - ii. DPE – Biodiversity, Conservation and Science Directorate
 - iii. DPE – Water
 - iv. DPE Hazards Branch
 - b. Environment Protection Authority (EPA)
 - c. Resources Regulator (RR)
 - d. Water NSW
 - e. Natural Resource Access Regulator (NRAR)
 - f. Dams Safety NSW
 - g. NSW Health
 - h. Local Councils – Orange City Council, Blayney Shire Council and Cabonne Shire Council

Water

12. Review the water balance model and surface water discharge and provide details as to whether there is a need for improvement and/or update.
13. Review surface and groundwater, particularly the monitoring program (including the hydraulic gradient, surface and groundwater quality around the base of the CHP and monitoring and minimising leakage from the CHP towards Cadiangullong Creek), potential leakage or spillage from tailings and the Surface and Ground Water Contingency Plan.
14. An assessment of compliance with all post approval and compliance documents, related to water, to be prepared to satisfy the conditions of the consent, including an assessment of the implementation of the relevant management plans.
15. An assessment of whether the site water management plan is adequate.
16. Review water access licenses and approvals to ensure compliance, and that the appropriate records and reporting is being undertaken.
17. A review of the environmental performance of the development, including an assessment of:
 - a. The actual impacts compared to predicted impacts for water.
 - b. How many exceedances, notifications, non-compliances, and water complaints occurred during the audit period and how were they responded to.
 - c. The performance of the development, having regard to agency policy.
18. Any other water related matters considered relevant by NSW Planning.

Air

19. An assessment of compliance with all post approval and compliance documents, related to air, to be prepared to satisfy the conditions of the consent, including an assessment of the implementation of the relevant management plans.
20. An assessment of whether the management plan is adequate.

21. A review of the environmental performance of the development, including an assessment of:
- a. The actual impacts compared to predicted impacts for air.
 - b. How many exceedances, notifications, non-compliances, and air complaints occurred during the audit period and how were they responded to appropriately.
 - c. The performance of the development, having regard to agency policy.
 - d. Air quality criteria exceedances because of elevated dust/emissions from the TSF's and ventilation shafts.
 - e. The air quality monitoring program and whether the monitoring locations are adequately capturing offsite emissions/impacts.
22. Any other air related matters considered relevant by NSW Planning

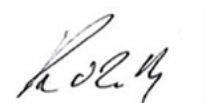
Noise

23. An assessment of compliance with all post approval and compliance documents to be prepared to satisfy the conditions of the consent, including an assessment of the implementation of the Noise Management Plan (NMP).
24. An assessment of whether the draft NMP is adequate, including:
- a. Are mine monitoring locations representative of 'groups' and have the appropriate criteria been applied.
 - b. Proposed monitoring program (frequency, timing, parameters and validation).
 - c. Sound power testing program (selection of key infrastructure and enclosures, clarity around methodology).
25. A review of the environmental performance of the development, including an assessment of:
- a. the actual impacts compared to predicted impacts for mine noise, road traffic noise and noise associated with dewatering facility.
 - b. How many exceedances, notifications, non-compliances and noise complaints occurred during the audit period and how were they responded to.
 - c. The performance of the development, having regard to agency policy. When have the NSW Industrial Noise Policy (2000) and Noise Policy for Industry (2017) been implemented during the audit period and were the appropriate policies used during each round of monitoring.
26. Any other noise related matters considered relevant by NSW Planning

Lastly, please ensure this correspondence is appended to the IEA Report.

Should you wish to discuss the matter further, please contact Jennifer Rowe, (Senior Compliance Officer) on 0242471851 or email

Yours sincerely



As nominee of the Planning Secretary

From: [Sheridan Ledger](#)
To: [Tegan Anne Brown](#)
Cc: [Dorian Walsh](#)
Subject: RE: Cadia Valley Operations - Independent Environmental Audit Consultation
Date: Friday, 17 November 2023 3:08:59 PM
Attachments: [image001.png](#)
[image002.png](#)

[WARNING] This email originated from outside of the organisation.

Hi Tegan,

Thank you for your email.

The EPA requests the audit focus on noise impacts and noise monitoring compliance. We would also like a check that the locations of the air quality monitors and met stations strictly comply with the Australian Standard.

We would also like a review of the moly plant in terms of:

- Odour management – sources and response
- Waste water management
- Chemical storage and handling
- Emission monitoring and EPL requirements

Apologies if you have received dual responses from the EPA regarding this request.

Happy to discuss,

Kind regards

Sheridan

Sheridan Ledger
Manager
Regulatory Operations
NSW Environment Protection Authority
D | M



www.epa.nsw.gov.au [@NSW_EPA](https://www.instagram.com/NSW_EPA)

The EPA acknowledges the traditional custodians of the land and waters where we work. As part of the world's oldest surviving culture, we pay our respect to Aboriginal elders past, present and emerging.

Report pollution and environmental incidents 131 555 or +61 2 9995 5555

From: Tegan Anne Brown

From: [Doris Yau](#)
To: [Tegan Anne Brown](#)
Cc: [Dorian Walsh](#); [Jennifer Rowe](#); [Nick Hon](#)
Subject: RE: Cadia Valley Operations - Independent Environmental Audit Consultation
Date: Friday, 17 November 2023 9:26:08 AM
Attachments: [image001.png](#)
[image002.png](#)

[WARNING] This email originated from outside of the organisation.

Hi Tegan,

Apology for my haste response, I was not aware of the consultation request made by the Compliance team.

Having review the CVO operations and the condition of consent, we aware the operation includes various dangerous goods storages and a processing facility. It also includes condition 7B and 7C in relation to the Sodium Hydrosulphide solution plant. As such, we would recommend IEA to include the following:

1. Verifying the status of the dangerous goods storage on-site, and whether they can comply with relevant Australian Standards.
2. Confirm condition 7B and 7C have been satisfied.

Please let me know if you wish to discuss further.

Regards,

Doris Yau
Team Leader - Hazards

Industry Assessment | Department of Planning and Environment
4 Parramatta Square, 12 Darcy Street | Locked Bag 5022 | Parramatta NSW 2124



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

From: Tegan Anne Brown
Sent: Tuesday, 14 November 2023 3:48 PM
To: Doris Yau
Cc: Dorian Walsh
Subject: RE: Cadia Valley Operations - Independent Environmental Audit Consultation

From: [Andrew Muir](#)
To: [Tegan Anne Brown](#)
Cc: [Dorian Walsh](#); [Planning](#)
Subject: RE: IC/81996 - Cadia Valley Operations - Independent Environmental Audit Consultation
Date: Wednesday, 22 November 2023 12:32:48 PM
Attachments: [image001.png](#)

[WARNING] This email originated from outside of the organisation.

Hi Tegan. I've been through the conditions of consent and considered any particular issues that Council has been made aware of. As air quality has been an issue raised in the community it would be appropriate to take into consideration Air Quality conditions (probably 17, 19(a) & (b). Also as we are getting larger quantities of waste at our landfill it may be appropriate to look at 50 (a), (b) & (d) to see what waste minimisation practices are in place.

AIR QUALITY

Impact Assessment Criteria

17. Except for the land in Table 1, the Proponent shall ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the project do not cause exceedances of the criteria listed in Tables 8, 9 and 10 at any residence on privately owned land, or on more than 25% of any privately-owned land

Operating Conditions

19. The Proponent shall:

- (a) ensure any visible air pollution generated by the project is assessed regularly, and that operations are relocated, modified, and/or stopped as far as is reasonable and feasible to minimise air quality impacts on privately-owned land;
 - (b) ensure that the real-time air quality monitoring and meteorological monitoring data are assessed regularly, and that operations are relocated, modified and/or stopped as required to ensure compliance with the relevant air quality criteria;
 - (c) implement all reasonable and feasible measures to minimise off-site odour and fume emissions generated by the project; and
 - (d) implement reasonable and feasible best practice diesel emissions reduction technology for any new equipment, including 'non-road' diesel equipment used in undertaking the project.
- to the satisfaction of the Secretary.

19A. The Proponent must prepare an Air Quality Impact Validation Report to the satisfaction of the Secretary based on detailed construction methodology and equipment for the construction of the NTSF and STSF embankments and associated infrastructure including haulage roads and transfer of waste rock material. The Air Quality Impact Validation Report must be prepared by a suitably qualified and experienced person, whose appointment has been approved by the Secretary and be submitted to the Secretary within 3 months of approval of Modification 14

WASTE

Waste Minimisation

50. The Proponent shall:

- (a) minimise the waste generated by the project;
- (b) ensure that the waste generated by the project is appropriately stored, handled and disposed

of;

(c) manage on-site sewage treatment and disposal in accordance with the requirements of the applicable Council; and

(d) report on waste management and minimisation in the Annual Review, to the satisfaction of the Secretary

Regards.

Andrew Muir

Director Planning and Environmental Services

Blayney Shire Council

From: Tegan Anne Brown

Sent: Friday, November 17, 2023 3:39 PM

To: Andrew Muir

Cc: Dorian Walsh

Subject: RE: IC/81996 - Cadia Valley Operations - Independent Environmental Audit Consultation

Hi Andrew

Thank you for the reply.

Yes that is correct, the scope of the audit is to review Cadia's compliance with the conditions of PA o6_o295 during the period from 13 November 2020 to the date of the site visit (expected to be held December). If you have any other questions, please let me know.

Kind regards

Tegan

From: Andrew Muir

Sent: Thursday, November 16, 2023 6:25 PM

To: Tegan Anne Brown

Subject: Fwd: IC/81996 - Cadia Valley Operations - Independent Environmental Audit Consultation

[WARNING] This email originated from outside of the organisation.

Hi Tegan. Thanks for the notification. We'll have a think. I imagine the basic scope of the audit is compliance or otherwise with the environment related conditions of consent?

Andrew Muir

From: [Mark Hodges](#)
To: [Tegan Anne Brown](#); [Orange City Council](#)
Cc: [Dorian Walsh](#)
Subject: RE: Cadia Valley Operations - Independent Environmental Audit Consultation
Date: Friday, 24 November 2023 4:29:48 PM
Attachments: [image001.png](#)
[2023_0908_105938-0001.pdf](#)

[WARNING] This email originated from outside of the organisation.

Dear Tegan,

Reference is made to your email of 10 November 2023.

I appreciate your contact requesting advice as to whether Council has any specific issues relating to CVO's Project Approval 06_0295.

I am familiar with the approval for CVO, having sat on the Community Consultative Committee (CCC) for the past 17 years. The CCC reviews performance and compliance of CVO on a quarterly basis and also reviews the annual compliance report.

It is considered that nothing in these reviews warrants special mention. Notwithstanding this, Council is aware of recent events and media surrounding CVO and dust emissions.

Perhaps it is more relevant to provide you with a copy of the submission that Council recently made to the NSW Parliamentary Enquiry - Current and Potential Impacts of Gold, Silver, Lead and Zinc Mining on Human Health, Land, Air and Water Quality in NSW. This submission, whilst responding to a specific Charter of that Enquiry, does discuss CVO operations relating to Council.

I trust this answers your queries, but certainly happy to discuss further if required.

Kind regards
Mark Hodges



8 September 2023

Committee Chair
Portfolio Committee No. 2 – Health
Legislative Council
NSW Parliament
6 Macquarie Street
SYDNEY NSW 2000

Via email: council@orange.nsw.gov.au

Dear Dr Cohn MLC

SUBMISSION – CURRENT AND POTENTIAL IMPACTS OF GOLD, SILVER, LEAD AND ZINC MINING ON HUMAN HEALTH, LAND, AIR AND WATER QUALITY IN NSW – ORANGE CITY COUNCIL

Reference is made to the call for submissions to the NSW Parliamentary Inquiry into *current and potential impacts of gold, silver, lead and zinc mining on human health, land, air and water quality in New South Wales*. The following document is requested to be considered as a submission from Orange City Council and has been developed having consideration to the *Terms of Reference* of the Parliamentary Committee.

Overall, it is acknowledged that the Metals Industry provides important economic and social contributions to the Central West Region of NSW.

Whilst there are a number of mines operating within the Central West that result in positive impacts on the regional economy, Newcrest Mining Limited's Cadia Valley Operations (Cadia) is the most significant for the City of Orange and the surrounding region, due to both its production size and its location, being just 25 kilometres from Orange. I note the mine is not in the Orange LGA.

Key positive socio-economic impacts from Cadia include:

- 1,830 direct jobs.
- 3,230 jobs within the Central West Region.
- 85% of Cadia's workforce live within the Orange, Blayney and Cabonne LGAs.
- The majority of these staff live within the City of Orange.
- 60% of Cadia's workforce already lived locally.
- \$217 million of wages and benefits (2021/22).
- 70% of staff have household members involved in local community groups.
- 26% of employees volunteer their time.
- \$1.198 million donated through its Community Partnership Programs to the communities of Orange, Blayney and Cabonne (2022/23)

SUBMISSION – CURRENT AND POTENTIAL IMPACTS OF GOLD, SILVER, LEAD AND ZINC MINING ON HUMAN HEALTH, LAND, AIR AND WATER QUALITY IN NSW – ORANGE CITY COUNCIL

8 September 2023

POLICY AND REGULATORY FRAMEWORK

1. NSW GOVERNMENT DEVELOPMENT ASSESSMENT REGIME

NSW has a significantly robust development assessment regime provided through the *Environmental Planning and Assessment Act 1979* (EPAA) and its supporting Planning Instruments.

This planning assessment process commences for integrated mining proposals with the engagement by the proponent with appropriate NSW Government Regulators, including, but not being limited to the NSW EPA, the Resources Regulator, NPWS, NSW Health and TfNSW.

The planning process provides these Regulators the opportunity to identify the specific matters that any proposal for mining application and associated reports must give specific consideration to.

In more recent times, additional and early consultation has become normal practice for proponents of mining developments.

This early consultation process, along with complex planning laws in NSW that require additional advertising of proposals, ensures a competent and adequate Environmental Impact Assessment.

The determining authority of medium to large scale mining development is either a Regional or State Planning Panel. The fact that such development is not considered 'local development' reflects the fact that often the impacts of mining developments extend beyond local Government boundaries, and the assessment and determination of these proposals requires a high level of technical skill and experience.

The extent and complexity of planning procedures within NSW ensures a high level of consultation with Regulators, local councils and also the community. It is submitted that additional regulation around this process would not necessarily provide any benefit to the existing robust process.

The most recent Fraser Institute Survey of Mining Companies (2022: Julio Mejía and Elmira Aliakbari (2023). *Fraser Institute Annual Survey of Mining Companies 2022*. Fraser Institute. <<http://www.fraserinstitute.org>>) showed that mining companies do not see environment regulation in NSW as an incentive to investment - rather as not a deterrent to investment - which suggests a robust and reasonable regime.

SUBMISSION – CURRENT AND POTENTIAL IMPACTS OF GOLD, SILVER, LEAD AND ZINC MINING ON HUMAN HEALTH, LAND, AIR AND WATER QUALITY IN NSW – ORANGE CITY COUNCIL

8 September 2023

2. OPERATIONAL MONITORING AND REGULATIONS (PLANNING, EPA AND RESOURCES REGULATOR) REGIMES

Operations of mining is heavily monitored through licencing requirements of the State. These controls and requirements have been administered by the State Regulators for many years using licence conditions setting operational limits, environmental health monitoring and also reporting requirements.

The recent and indeed extensive media coverage relating to health concerns of neighbours from dust emissions from Cadia's underground mine vent risers and tailings facilities is acknowledged. It is further noted that emissions are currently being investigated by the NSW EPA, with both regulatory action being commenced against the mine operator, (licence amendment; fine; and Court proceedings).

It is understood that extensive testing have been undertaken by the EPA, the mine operator and also the community to determine any impacts or issues associated with this dust. Notwithstanding the testing conducted, Council is aware that mitigation measures have been implemented that have significantly reduced these emissions in recent times.

The use of Community Consultative Committees provides an invaluable opportunity for community representatives, stakeholder groups and local councils to engage thoroughly with mine operators through the delivery and operation phases of the mine.

These Committees are chaired by an independent person appointed by the Department of Planning/Environment. The Committees are formally and, indeed, publicly kept informed of projects, performance, compliance and community engagement for the operational life of the mine.

Orange City Council has been an active member of the Cadia Community Consultative Committee over the mine's 25 years of operations. The value and continued use of these Committees in the State is very much supported.

3. THE RESOURCES REGULATOR REGULATES HEALTH AND SAFETY OF WORKERS

Health risks relating to dust, water, hazardous materials and other health hazards in the mining operations are monitored and regulated by the Resources Regulator.

4. MINE OPERATORS ARE DEPENDENT ON WORKERS FROM LOCAL AREA

There is a shared incentive for mine operators to prevent health impacts to the surrounding communities and for communities to be protected from health impacts of mining operations.

Mine operators rely on workers from those communities to operate. Mine operators invest in the overall health and wellbeing of their workforce (both at home and at work) - recognising that a healthy and well worker will contribute productively to the mining operation.

SUBMISSION – CURRENT AND POTENTIAL IMPACTS OF GOLD, SILVER, LEAD AND ZINC MINING ON HUMAN HEALTH, LAND, AIR AND WATER QUALITY IN NSW – ORANGE CITY COUNCIL

8 September 2023

The overlap of workers and community is a shared strategic driver of environmental and social performance.

5. HOUSING AVAILABILITY & ECONOMIC STATISTICS

Whilst some of the positive economic impacts of mining have been detailed above in this submission, it is also noted that impacts from the additional workforce in towns and cities in close proximity to mines also includes the exacerbation of housing issues. These impacts are felt in both availability and affordability of housing. The impacts vary throughout the life of the mine depending on base workforce, maintenance programs and expansion.

It is also noted that from the significant positive economic impacts from mining in terms of household income and expenditure can influence ABS Census Data for a population. That is, with the high incomes and expenditure that arises from mining, the mean and median incomes of houses is often skewed to be higher. When population data is being considered, it does require closer analysis to identify the actual proportion of low to middle income.

Council's Community Strategic Plan has identified the pressures on the City arising from having a 'two-speed' economy and as a result identified the need for more affordable housing options. These options must be explored by all levels of Government and private industry.

Further investigation of this matter by the Inquiry would be helpful.

6. MINING IMPACT ON SKILLED LABOUR

Whilst the positive impacts on household income and expenditure from both direct and indirect mining employees are well documented, it must be noted that mining also provides some challenges to local businesses who can struggle to compete against the mining industry for attracting and retaining skilled labour.

7. INVESTORS CARE ABOUT ENVIRONMENTAL AND SOCIAL PERFORMANCE

Environmental, Social and Governance performance is increasingly being considered by investors, including superannuation fund managers, in investment choices. Mining companies routinely report on their environment and social performance to investors via annual reports and investor briefings.

Investor scrutiny and interest is a rapidly increasingly important strategic driver of environmental and social performance.

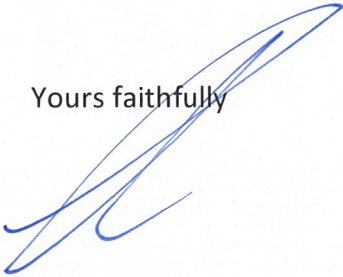
SUBMISSION – CURRENT AND POTENTIAL IMPACTS OF GOLD, SILVER, LEAD AND ZINC MINING ON HUMAN HEALTH, LAND, AIR AND WATER QUALITY IN NSW – ORANGE CITY COUNCIL

8 September 2023

8. IMPACT OF MINING ON TOWN WATER SUPPLY

Orange City Council relies predominantly on surface water from a series of local dams for its town water supply. Extensive monitoring of these supplies and risk assessments have not identified any significant or adverse impacts of mining on water supply quality or quantity.

Yours faithfully



David Waddell
CHIEF EXECUTIVE OFFICER

AREQ0047468

Ms Tegan Brown
James Bailey & Associates
6/127-129 John Street
Singleton NSW 2330

Dear Ms Brown

Subject: Cadia Valley Operations– Independent Environmental Audit

Thank you for your email dated 10 November 2023 requesting consultation on the independent audit to be undertaken of the Cadia Valley Operations. The mine comprises the following titles:

- ML1405 (1992)
- ML1449 (1992)
- ML1472 (1992)
- ML1481 (1992)
- ML1689 (1992)
- ML1690 (1992)

The independent audit is required to assess compliance against the relevant environmental management conditions of the mining leases up to 1 July 2022, including the mining operations plan.

From 2 July 2022, the independent environmental audit should provide an assessment of compliance with the requirements of Schedule 8A Standard conditions of mining leases, Part 2 Standard conditions, as set out in the Mining Regulation 2016. It is noted that the 6 mining leases that comprise the Cadia Valley Operations have been approved by the Regulator to be treated as a single lease for the purposes of Part 2 of Schedule 8A.

The audit should note observations where rehabilitation procedures, practices and outcomes represent best industry practice. It would be appreciated if a copy of the final audit report could be sent to the Regulator at nswresourcesregulator@service-now.com upon completion of the audit.

Yours sincerely

Jenny Ehmsen
Principal Compliance Auditor
4 December 2023

APPENDIX E

IEA SITE VISIT AGENDA

CADIA VALLEY OPERATIONS

DEPARTMENT OF PLANNING & ENVIRONMENT

INDEPENDENT ENVIRONMENTAL AUDIT FOR PA 06_0295

AGENDA FOR SITE VISIT

12 - 14 December 2023

Name	Initials	Title	Company
ATTENDEES:			
Kara Hatch	KH	Senior Environmental Advisor	Cadia Valley Operations
David McQueeney	DM	Senior Environmental Advisor	Cadia Valley Operations
Dirk Sanderson	DS	Superintendent – Environment	Cadia Valley Operations
Luke Holley	LH	Superintendent - Environment Projects	Cadia Valley Operations
Craig Fleming	CF	Senior Environmental Specialist	Cadia Valley Operations
David Coe	DC	Manager – Environment & Social Performance	Cadia Valley Operations
Melissa O'Brien	MO	Superintendent – Social Performance	Cadia Valley Operations
Dorian Walsh	DW	Auditor	James Bailey & Associates
Tegan Brown	TB	Auditor	James Bailey & Associates
Mark Bridges	MB	Specialist Auditor – Noise	Bridges Acoustics
Ali Naghizadeh	AN	Specialist Auditor – Air Quality	SLR Consulting Australia
Neal Albert	NA	Specialist Auditor – Water	Alluvium Consulting
Georgia Burkin	GB	Specialist Auditor – Water	Alluvium Consulting

Table 1 **Audit Agenda Items: Tuesday, 12 December 2023**

Time	Main Audit Description	Attendees	Time	Water Specialist Team Description	Attendees
7:30-8:00am	Attend Ridgeway Gatehouse for Induction and Drug and Alcohol Test	DW, TB	Prior to 9:00am	Attend Ridgeway Gatehouse for Induction and Drug and Alcohol Test	NA, GB
8:00-9:00am	Opening Meeting: - Inductions/housekeeping - Confirmation of scope and purpose of the IEA - IEA guidelines, process and timing - Confidentiality arrangements - Overview of site operations during the IEA period - Confirmation over scope for water specialist site inspections	Cadia Team, DW, TB	9:00am-12:30pm	Water Specialist Compliance Review - Client overview of site water management system and monitoring network, incidents and complaints - Review of water-related conditions of PA 02_0295, including Schedule 3, Conditions 22 – 35D, Schedule 5, Conditions 2, 5 – 5A	NA, GB, DS
9:00am-12:30pm	Approvals Compliance Review: Review of PA 06_0295 conditions (as modified), including Schedule 2, Conditions 1 – 14 (DC, LH), Schedule 3, Conditions 1 – 21(DC, LH), Schedule 3, Conditions 41, 41B, 42, 46A (LH)	DW, TB, KH, DC, LH	12:30-1:00pm	Lunch	All
12:30-1:00pm	Lunch	All	1:00-4:00pm	Site Inspection: - D/S CA Dam - PTSF - CE sub zone - Cadia Creek weir - Rodds Creek - NTSF/STSF - Oaky Creek - Cadiangullong Creek (lower reaches) - Belubula/Cadiangullong confluence	NA, GB, DS, SE

Time	Main Audit Description	Attendees	Time	Water Specialist Team Description	Attendees
1:00-4:00pm	Site Inspection: - Rehabilitation areas established/maintained during the audit period- South Waste Rock Dump and TSF viewing area - Ridgeway care and maintenance area - Heritage sites		4:00-4:40pm	Audit Revision and Specialist Feedback: Day 1	NA, GB
4:00-4:30pm	Audit Revision and Specialist Feedback: Day 1	DW, TB	-	-	-

Table 2 **Audit Agenda Items: Wednesday, 13 December 2023**

Time	Main Audit Description	Attendees	Time	Air Quality Team Specialist Description	Attendees
8:00-8:30am	Overview Meeting: Day 2 - Confirm arrangements for Day 2 - Confirmation over scope for air quality specialist inspections	Cadia Team, DW, TB	Prior to 8:30am	Attend Ridgeway Gatehouse for Induction and Drug and Alcohol Test	AN
8:30am-12:30pm	Ongoing review of PAo6_0295 conditions: Review of PA o6_0295 conditions, including, Schedule 3, Conditions 30(DS), Schedule 4 (MOB)	DS, MOB, DW, TB, KH	8:30-10:30am	Field Inspection: - Moly Plant - Rodds Creek Dam viewing point for TSFs	AN, LH, SE
12:30-1:00pm	Lunch	All	10:30am-12:30pm	Field Inspection: - BAM monitoring location (Meribah) - RWY Met Station - VR81	AN, LH, SE
1:00-2:00pm	Ore Treatment (combine with Air Quality)	LS, DW, TB	12:30-1:00pm	Lunch	All
2:00-4:00pm	Site Inspection: - Workshop - Hydrocarbon storage	KH, LS, DW, TB	1:00-2:00pm	Field Inspection: Ore Processing	AN, LS, LH
4:00-4:30pm	Auditors Revision and Specialist Feedback (day two)	DW, TB	2:00-2:45	Travel to Orange	AN, LH
-	-	-	2:45-4:00pm	Air Quality Specialist Compliance Review	AN, DC, LH

Table 3 **Audit Agenda Items: Thursday, 14 December 2023**

Time	Main Audit Description	Attendees	Time	Noise Specialist Team Description	Attendees
8:00-8:30am	Overview Meeting Day 3	DM, DW, TB	Prior to 8:30am	Attend Ridgeway Gatehouse for Induction and Drug and Alcohol Test	MB
8:30am-12:00pm	Review of Environmental Compliance Documentation: - Review of Mining Authorities conditions - Review of EIS commitments - Ongoing Management Plan Commitments (from PA 06_0295 Schedule 3, Conditions 9(DC), 20(DC), 36(DM))	DM, DC, DW, TB	8:30am-12:30pm	Noise Specialist Site Inspection: - Noise trailer location (parked up at shed- hardware inspection only) - CDF	MB, LH, SE, CF
12:00-12:30pm	Lunch	All	12:30-1:00pm	Lunch	All
2:00-2:30pm	Compliance Review: - Finalise review of documentation - Discussion of issues to be clarified	DC, KH, DW, TB	1:00-3:00pm	Noise Specialist Compliance Review: - Client overview of noise management systems and monitoring network, receivers complaints and incidents - Review of noise-related conditions of PA 02_0295, including Schedule 3, Conditions 2 – 16, Schedule 5, Conditions 2, 5 – 5A	MB, LH, CF
2:30-3:00pm	Auditors Preparation: Review of outstanding information items and preliminary findings	DW, TB	-	-	-
3:00-3:30pm	Close Out Meeting: - Overview of preliminary audit findings - Outline information requirements arising from the site visit - Confirm process to complete the IEA report for Client review - Discussion/Questions	Cadia Team, DW, TB	-	-	-

APPENDIX F

SITE INSPECTION PLATES



Plate 1 Bundled chemicals stored in workshop



Plate 2 Bunded Hazardous Waste Storage Yard and mobile plant



Plate 3 Chemical storage cupboard in workshop



Plate 4 Cadia Cornish Engine house and chimney precinct (SHR0079)



Plate 5 Visible dust emissions at site inspection (vegetation clearing within Cadia East Subsidence Zone)



Plate 6 Visible dust emissions at site inspection (vegetation clearing within Cadia East Subsidence Zone)

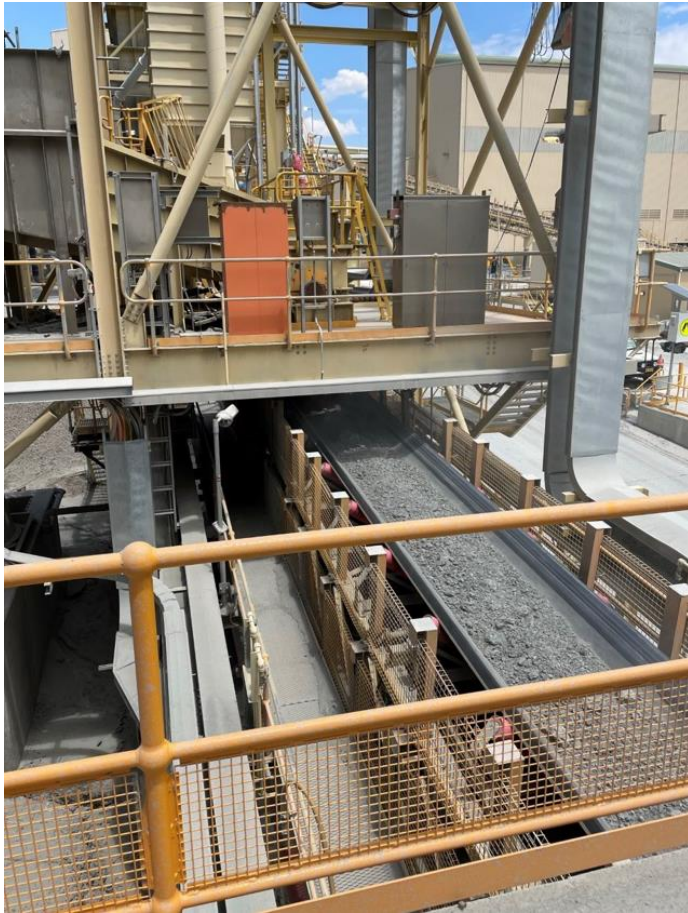


Plate 7 Conveyor with low visible dust levels at the time of the site inspection



Plate 8 Ore stockpile with low dust levels at the time of the site inspection



Plate 9 Tagged portable fire equipment available inside the ore processing facility



Plate 10 Spill kit available inside the ore processing facility



Plate 11 Servicing bay inside the heavy vehicle workshop



Plate 12 Servicing bay inside the light vehicle workshop



Plate 13 Segregated waste skip bins outside of the workshop



Plate 14 Water cart operating for dust control at South Waste Rock Dump



Plate 15 Water cart operating for dust control at the mill area



Plate 16 Tyre storage area



Plate 17 Historical Heritage Cemetery

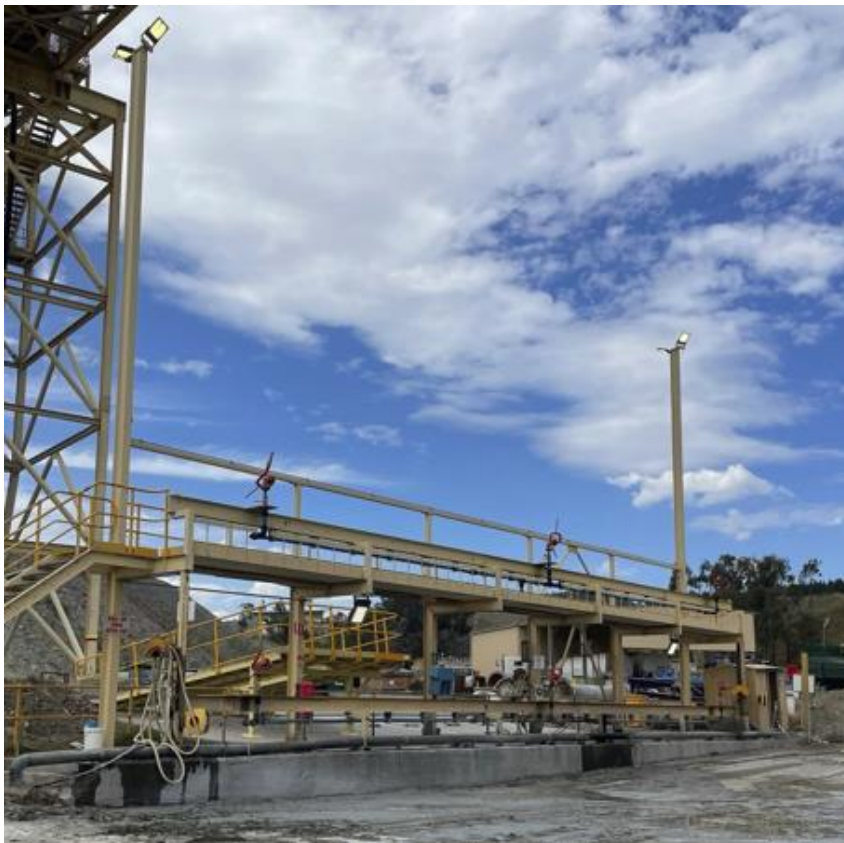


Plate 18 External lighting adjacent the workshop positioned below horizontal



Plate 19 Salvaged scarred tree relocated from STSF



Plate 20 Tailings Storage Facility which has undergone aerial spraying to minimise dust lift-off



Plate 21 Rehabilitation Area on South Waste Rock Dump



Plate 22 Noise monitoring trailer position at the time of the site inspection



Plate 23 Woodville BAM site compound



Plate 24 Speed limit signage in place within the mill area



Plate 25 Remondis bin for paper and cardboard within the workshop area



Plate 26 Fencing observed to be in place around the Ridgeway subsidence zone